



Cisco Prime Network 5.3 Supported VNEs Reference Guide

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CHAPTER 1

Introduction 1-1

- Introduction to VNEs 1-1
- Understanding the Tables 1-1
 - Software Versions 1-2
 - Product Versions 1-3
 - Expedite Legend 1-3

CHAPTER 2

Overview—Supported Network Elements in Cisco Prime Network Version 5.3 2-1

- Support Information for Cisco CMTS 2-1
- Support Information for Cisco Citrix Devices 2-2
- Support Information for Cisco Optical Transport 2-2
- Support Information for Cisco Security Appliances 2-2
- Support Information for Cisco U-EQAM 2-4
- Support Information for Cisco Access Servers 2-5
- Support Information for Cisco Gateways 2-5
- Support Information for Cisco Routers 2-5
- Support Information for Cisco Switches 2-16
- Support Information for Generic Devices 2-28
- Supported Devices Not Included in This Guide 2-29

CHAPTER 3

Support Information for Cisco Universal Broadband Routers 3-1

- Cisco Universal Broadband Router 7200 Series 3-1
 - Cisco UBR7200 Series—Supported Software Versions 3-1
 - Cisco UBR7200 Series—Supported Topologies 3-2
 - Cisco UBR7200 Series—Supported Modules 3-2
 - Cisco UBR7200 Series—Supported Technologies 3-3
 - Cisco UBR7200 Series—Supported Service Events 3-3
- Cisco Universal Broadband Router 10000 Series 3-5
 - Cisco UBR10000 Series—Supported Software Versions 3-5
 - Cisco UBR10000 Series—Supported Topologies 3-6
 - Cisco UBR10000 Series—Supported Modules 3-6
 - Cisco UBR10000 Series—Supported Technologies 3-9

Cisco UBR10000 Series—Supported Service Events	3-9
Supported Technologies on Cisco CMTS	3-11
IP	3-12
Routing Protocols	3-15
Ethernet	3-17
ATM	3-24
Frame Relay	3-27
PPP	3-28
HDLC	3-29
MPLS	3-30
VPN (VRF)	3-32
Security	3-33
Hardware	3-34
Port	3-41
CDP	3-43
DTI	3-43
NarrowbandChannel	3-44
WidebandChannel	3-45
FiberNode	3-45
MACDomain	3-46
CableDownstreamChannels	3-47
CableUpstreamChannels	3-47

CHAPTER 4

Support Information for Cisco Citrix Devices	4-1
Citrix NetScaler Series	4-1
Citrix NetScaler—Supported Software Versions	4-1
Citrix NetScaler—Supported Topologies	4-2
Citrix NetScaler—Supported Technologies	4-2
Citrix NetScaler—Supported Service Events	4-2
Supported Technologies on Cisco Citrix Devices	4-2
IP	4-3
Ethernet	4-6
Hardware	4-13

CHAPTER 5

Support Information for Cisco Data Center	5-1
Cisco UCS 61xx Series Switches	5-1
CiscoUCS 6120—Supported Software Versions	5-1
CiscoUCS 6120—Supported Topologies	5-2
CiscoUCS 6120—Supported Modules	5-2



Technologies	5-4
Cisco UCS 6120—Supported Service Events	5-5
Cisco UCS C Series Rack Mount Server	5-7
Cisco UCS Rack Servers—Supported Software Versions	5-8
Cisco UCS Rack Servers—Supported Topologies	5-8
Cisco UCS Rack Servers—Supported Modules	5-8
Cisco UCS Rack Servers—Supported Technologies	5-9
Cisco UCS Rack Servers—Supported Service Events	5-10
Supported Technologies on Cisco DataCenter	5-11
IP	5-12
Hardware	5-15
CDP	5-21
ComputeDataStore	5-22
HostServer	5-22
Hypervisor	5-24
HostServerProcessingDevice	5-24
HostServerComputeResource	5-25
HostCPUCapacityProvision	5-25
HostMemoryCapacityProvision	5-26
HostDiskCapacityProvision	5-26
HostServerComputeDataStoreUsage	5-27
VirtualMachine	5-27
VirtualMachineComputeResource	5-29
VMCPUCapacityAllocation	5-29
VMMemoryCapacityAllocation	5-30
VMDiskCapacityAllocation	5-31
VirtualMachineComputeDataStoreUsage	5-31
VirtualEntityNetworkEndPoint	5-32
FiberChannel	5-33
FiberChannelLinkAggregation	5-34
VSAN	5-35

- Cisco CPT 50 Devices—Supported Software Versions 6-1
- Cisco CPT 50 Devices—Supported Topologies 6-2
- Cisco CPT 50 Devices—Supported Modules 6-3
- Cisco CPT 50 Devices—Supported Technologies 6-4
- Cisco CPT 50 Devices—Supported Service Events 6-5
- Supported Technologies on Cisco Optical Transport 6-10
 - IP 6-11
 - Routing Protocols 6-14
 - Ethernet 6-16
 - TDM/DSx 6-24
 - MPLS 6-28
 - MPLS-TE 6-29
 - MPLS-TP 6-31
 - PWE3 6-33
 - Security 6-34
 - Hardware 6-35
 - Serial 6-42
 - LocalSwitching 6-43
 - BFD 6-44
 - Carrier Ethernet 6-45
 - CDP 6-46
 - Discovery Protocol 6-46
 - Ethernet OAM 6-47
 - QoS 6-50
 - Port 6-52

CHAPTER 7

- Support Information for Cisco Security Appliances 7-1**
 - Cisco Adaptive Security Appliance 5550 Series 7-1
 - Cisco ASA 5550 Series—Supported Software Versions 7-2
 - Cisco ASA 5550 Series—Supported Topologies 7-2
 - Cisco ASA 5550 Series—Supported Modules 7-2
 - Cisco ASA 5550 Series—Supported Technologies 7-2
 - Cisco ASA 5550 Series—Supported Service Events 7-3
 - Cisco Adaptive Security Appliance 5580 Series 7-3
 - Cisco ASA 5580 Series—Supported Software Versions 7-4
 - Cisco ASA 5580 Series—Supported Topologies 7-4
 - Cisco ASA 5580 Series—Supported Modules 7-4
 - Cisco ASA 5580 Series—Supported Technologies 7-4
 - Cisco ASA 5580 Series—Supported Service Events 7-5

Cisco ASA-5585 Adaptive Security Appliance	7-5
Cisco ASA 5585 IPS—Supported Software Versions	7-6
Cisco ASA 5585 IPS—Supported Topologies	7-6
Cisco ASA 5585 IPS—Supported Modules	7-7
Cisco ASA 5585 IPS—Supported Technologies	7-7
Cisco ASA 5585 IPS—Supported Service Events	7-7
Cisco ASA 1000v	7-8
CISCO ASA1000v—Supported Software Versions	7-8
CISCO ASA1000v—Supported Topologies	7-8
CISCO ASA1000v—Supported Technologies	7-9
CISCO ASA1000v—Supported Service Events	7-9
Cisco ASA-5585 Adaptive Security Appliance	7-10
Cisco ASA-5585—Supported Software Versions	7-10
Cisco ASA-5585—Supported Topologies	7-11
Cisco ASA-5585—Supported Modules	7-11
Cisco ASA-5585—Supported Technologies	7-12
Cisco ASA-5585—Supported Service Events	7-13
Cisco ASA 5516 Series Switches —Additional Support	7-13
Cisco —Supported Software Versions	7-13
Cisco ASA5516—Supported Network Elements	7-14
Cisco ASA 5512 Series Switches —Additional Support	7-14
Cisco ASA 5512—Supported Software Versions	7-14
Cisco ASA 5515 Series Switches —Additional Support	7-14
Cisco ASA 5515—Supported Software Versions	7-14
Cisco ASA 5525 Series Switches —Additional Support	7-15
Cisco ASA 5525—Supported Software Versions	7-15
Cisco ASA 5545 Series Switches —Additional Support	7-15
Cisco ASA 5545—Supported Software Version	7-15
Cisco ASA 5555 Series Switches —Additional Support	7-15
Cisco ASA 5555—Supported Software Version	7-15
Cisco Virtual Security Gateway	7-15
Cisco VSG—Supported Software Versions	7-16
Cisco VSG—Supported Topologies	7-16
Cisco VSG—Supported Modules	7-16
Cisco VSG—Supported Technologies	7-16
Cisco VSG—Supported Service Events	7-17
Supported Technologies on Cisco Security Appliances	7-17
IP	7-18
Ethernet	7-21

- Security 7-28
- Hardware 7-29
- Port 7-36
- CDP 7-37

CHAPTER 8

Support Information for Cisco U-EQAM 8-1

- Cisco RF Gateway Series 8-1
 - Cisco RF Gateway 10—Supported Software Versions 8-1
 - Cisco RF Gateway 10—Supported Topologies 8-2
 - Cisco RF Gateway 10—Supported Modules 8-2
 - Cisco RF Gateway 10—Supported Technologies 8-2
 - Cisco RF Gateway 10—Supported Service Events 8-3
- Supported Technologies on Cisco U-EQAM 8-4
 - IP 8-4
 - Ethernet 8-8
 - Security 8-14
 - Hardware 8-15
 - CDP 8-22
 - DTI 8-23
 - QAMDomainContainer 8-24
 - QAMDomain 8-24
 - CableDownstreamChannels 8-25

CHAPTER 9

Support Information for Cisco Access Servers 9-1

- Cisco Access Server 5800 Series 9-1
 - Cisco AS 5800 Series—Supported Software Versions 9-1
 - Cisco AS 5800 Series—Supported Topologies 9-2
 - Cisco AS 5800 Series—Supported Modules 9-2
 - Cisco AS 5800 Series—Supported Technologies 9-2
 - Cisco AS 5800 Series—Supported Service Events 9-3
- Supported Technologies on Cisco Access Servers 9-3
 - IP 9-4
 - Routing Protocols 9-7
 - Ethernet 9-9
 - TDM/DSx 9-16
 - Security 9-19
 - Hardware 9-20
 - Port 9-27

CHAPTER 10**Support Information for Cisco Gateways 10-1**

- Cisco AS5300 Series Universal Gateways 10-1
 - Cisco AS5300 Series—Supported Software Versions 10-1
 - Cisco AS5300 Series—Supported Topologies 10-2
 - Cisco AS5300 Series—Supported Modules 10-2
 - Cisco AS5300 Series—Supported Technologies 10-2
 - Cisco AS5300 Series—Supported Service Events 10-3
- Supported Technologies on Cisco Gateways 10-4
 - IP 10-4
 - Ethernet 10-7
 - Security 10-14
 - Hardware 10-15
 - Port 10-22
 - CDP 10-23

CHAPTER 11**Support Information for Cisco Routers 11-1**

- Cisco 800 Series Routers 11-2
 - Cisco 800 Series—Supported Software Versions 11-2
 - Cisco 800 Series—Supported Topologies 11-3
 - Cisco 800 Series—Supported Technologies 11-3
 - Cisco 800 Series—Supported Service Events 11-3
- Cisco 1000 Series Routers 11-4
 - Cisco 1000 Series—Supported Software Versions 11-4
 - Cisco 1000 Series—Supported Topologies 11-4
 - Cisco 1000 Series—Supported Technologies 11-4
 - Cisco 1000 Series—Supported Service Events 11-5
- Cisco 1600 Series Routers 11-6
 - Cisco 1600 Series—Supported Software Versions 11-6
 - Cisco 1600 Series—Supported Topologies 11-6
 - Cisco 1600 Series—Supported Technologies 11-6
 - Cisco 1600 Series—Supported Service Events 11-7
- Cisco 800 Series Integrated Services Router 11-8
 - Cisco ISR 800—Supported Software Versions 11-8
 - Cisco ISR 800—Supported Topologies 11-8
 - Cisco ISR 800—Supported Modules 11-9
 - Cisco ISR 800—Supported Technologies 11-9
 - Cisco ISR 800—Supported Service Events 11-9
- Cisco 1800 Series Integrated Services Routers 11-11
 - Cisco 1800 Series—Supported Software Versions 11-11

- Cisco 1800 Series—Supported Topologies 11-12
- Cisco 1800 Series—Supported Modules 11-12
- Cisco 1800 Series—Supported Technologies 11-13
- Cisco 1800 Series—Supported Service Events 11-13
- Cisco 2500 Series Routers 11-14
 - Cisco 2500 Series—Supported Software Versions 11-14
 - Cisco 2500 Series—Supported Topologies 11-14
 - Cisco 2500 Series—Supported Modules 11-14
 - Cisco 2500 Series—Supported Technologies 11-15
 - Cisco 2500 Series—Supported Service Events 11-15
- Cisco 2600 Series Multiservice Platform Routers 11-16
 - Cisco 2600 Series—Supported Software Versions 11-16
 - Cisco 2600 Series—Supported Topologies 11-17
 - Cisco 2600 Series—Supported Modules 11-17
 - Cisco 2600 Series—Supported Technologies 11-18
 - Cisco 2600 Series—Supported Service Events 11-19
- Cisco 2800 Series Integrated Services Routers 11-20
 - Cisco 2800 Series—Supported Software Versions 11-20
 - Cisco 2800 Series—Supported Topologies 11-21
 - Cisco 2800 Series—Supported Modules 11-22
 - Cisco 2800 Series—Supported Technologies 11-23
 - Cisco 2800 Series—Supported Service Events 11-24
- Cisco 3700 Series Multiservice Access Routers 11-25
 - Cisco 3700 Series—Supported Software Versions 11-25
 - Cisco 3700 Series—Supported Topologies 11-25
 - Cisco 3700 Series—Supported Modules 11-26
 - Cisco 3700 Series—Supported Technologies 11-26
 - Cisco 3700 Series—Supported Service Events 11-27
- Cisco 3800 Series Integrated Services Routers 11-28
 - Cisco 3800 Series—Supported Software Versions 11-28
 - Cisco 3800 Series—Supported Topologies 11-29
 - Cisco 3800 Series—Supported Modules 11-29
 - Cisco 3800 Series—Supported Technologies 11-30
 - Cisco 3800 Series—Supported Service Events 11-31
- Cisco 7200 Series Routers 11-32
 - Cisco 7200 Series—Supported Software Versions 11-32
 - Cisco 7200 Series—Supported Topologies 11-35
 - Cisco 7200 Series—Supported Modules 11-35
 - Cisco 7200 Series—Supported Technologies 11-38

Cisco 7200 Series—Supported Service Events	11-39
Cisco 7300 Series Routers	11-40
Cisco 7300 Series—Supported Software Versions	11-41
Cisco 7300 Series—Supported Topologies	11-43
Cisco 7300 Series—Supported Modules	11-43
Cisco 7300 Series—Supported Technologies	11-43
Cisco 7300 Series—Supported Service Events	11-44
Cisco 7400 Series Routers	11-44
Cisco 7400 Series—Supported Software Versions	11-44
Cisco 7400 Series—Supported Topologies	11-46
Cisco 7400 Series—Supported Modules	11-46
Cisco 7400 Series—Supported Technologies	11-47
Cisco 7400 Series—Supported Service Events	11-48
Cisco 7500 Series Routers	11-48
Cisco 7500 Series—Supported Software Versions	11-49
Cisco 7500 Series—Supported Topologies	11-50
Cisco 7500 Series—Supported Modules	11-51
Cisco 7500 Series—Supported Technologies	11-51
Cisco 7500 Series—Supported Service Events	11-51
Cisco 7600 Series Routers	11-52
Cisco 7600 Series—Supported Software Versions	11-52
Cisco 7600 Series—Supported Topologies	11-58
Cisco 7600 Series—Supported Modules	11-58
Cisco 7600 Series—Supported Technologies	11-76
Cisco 7600 Series—Supported Service Events	11-77
Cisco 10000 Series Routers	11-78
Cisco 10000 Series—Supported Software Versions	11-79
Cisco 10000 Series—Supported Topologies	11-80
Cisco 10000 Series—Supported Modules	11-80
Cisco 10000 Series—Supported Technologies	11-81
Cisco 10000 Series—Supported Service Events	11-81
Cisco 12000 Series Routers	11-83
Cisco 12000 Series—Supported Software Versions	11-83
Cisco 12000 Series—Supported Topologies	11-84
Cisco 12000 Series—Supported Modules	11-85
Cisco 12000 Series—Supported Technologies	11-91
Cisco 12000 Series—Supported Service Events	11-92
Cisco XR 12000 Series Routers	11-93
Cisco XR 12000 Series—Supported Software Versions	11-93

- Cisco XR 12000 Series—Supported Topologies 11-95
- Cisco XR 12000 Series—Supported Modules 11-96
- Cisco XR 12000 Series—Supported Technologies 11-103
- Cisco XR 12000 Series—Supported Service Events 11-103
- Cisco Carrier Routing System 11-105
 - Cisco CRS—Supported Software Versions 11-105
 - Cisco CRS—Supported Topologies 11-108
 - Cisco CRS—Supported Modules 11-109
 - Cisco CRS—Supported Technologies 11-126
 - Cisco CRS—Supported Service Events 11-127
- Cisco ASR 9000 Series Aggregation Services Routers 11-131
 - Cisco ASR 9000—Supported Software Versions 11-131
 - Cisco ASR 9000—Supported Topologies 11-132
 - Cisco ASR 9000—Supported Modules 11-133
 - Cisco ASR 9000—Supported Technologies 11-161
 - Cisco ASR 9000—Supported Service Events 11-162
- Cisco ASR 1000 Series Routers 11-169
 - Cisco ASR 1000 Series—Supported Software Versions 11-169
 - Cisco ASR 1001 Series—Supported Software Versions 11-172
 - Cisco ASR 1002 —Supported Software Versions 11-173
 - Cisco ASR 1004 Series—Supported Software Versions 11-174
 - Cisco ASR 1006 —Supported Software Versions 11-174
 - Cisco ASR 1000 Series—Supported Topologies 11-174
 - Cisco ASR 1000 Series—Supported Modules 11-175
 - Cisco ASR 1000 Series—Supported Technologies 11-181
 - Cisco ASR 1000 Series—Supported Service Events 11-182
- Cisco MWR 2900 Series Mobile Wireless Routers 11-183
 - Cisco MWR 2941—Supported Software Versions 11-183
 - Cisco MWR 2941—Supported Topologies 11-185
 - Cisco MWR 2941—Supported Modules 11-185
 - Cisco MWR 2941—Supported Technologies 11-188
 - Cisco MWR 2941—Supported Service Events 11-188
- Cisco 1900 Series Integrated Services Router 11-190
 - Cisco ISR 1900 Series—Supported Software Versions 11-191
 - Cisco ISR 1900 Series—Supported Topologies 11-191
 - Cisco ISR 1900 Series—Supported Modules 11-191
 - Cisco ISR 1900 Series—Supported Technologies 11-192
 - Cisco ISR 1900 Series—Supported Service Events 11-192
- Cisco 2900 Series Integrated Services Router 11-193

Cisco ISR 2900 Series—Supported Software Versions	11-194
Cisco ISR 2900 Series—Supported Topologies	11-194
Cisco ISR 2900 Series—Supported Modules	11-194
Cisco ISR 2900 Series—Supported Technologies	11-195
Cisco ISR 2900 Series—Supported Service Events	11-196
Cisco 3900 Series Integrated Service Routers	11-197
Cisco ISR 3900 Series—Supported Software Versions	11-197
Cisco ISR 3900 Series—Supported Topologies	11-198
Cisco ISR 3900 Series—Supported Modules	11-198
Cisco ISR 3900 Series—Supported Technologies	11-200
Cisco ISR 3900 Series—Supported Service Events	11-201
Cisco ME2600x Series Routers	11-201
Cisco ME2600x—Supported Software Versions	11-202
Cisco ME2600x—Supported Topologies	11-202
Cisco ME2600x—Supported Modules	11-202
Cisco ME2600x—Supported Technologies	11-205
Cisco ME2600x—Supported Service Events	11-205
Cisco 4000 Series Integrated Service Routers	11-208
Cisco ISR 4000 Series—Supported Software Versions	11-208
Cisco ISR 4221 Series—Supported Software Versions	11-208
Cisco ISR 4221 Series—Supported Modules	11-209
Cisco ISR 4331 Series—Supported Software Version	11-209
Cisco ISR 4451-X Series—Supported Software Version	11-209
Cisco 4700 Series Routers	11-210
Cisco 4700 Series—Supported Topologies	11-210
Cisco 4700 Series—Supported Technologies	11-210
Cisco 4700 Series—Supported Service Events	11-211
Cisco ASR901 Series Mobile Wireless Routers	11-212
Cisco ASR901—Supported Software Versions	11-212
Cisco ASR901—Supported Topologies	11-215
Cisco ASR901—Supported Modules	11-216
Cisco ASR901—Supported Technologies	11-224
Cisco ASR901—Supported Service Events	11-225
Cisco ASR902 Series Routers	11-230
Cisco ASR902 Series—Supported Software Versions	11-230
Cisco ASR903 Series Routers	11-230
Cisco ASR903 Series—Supported Software Versions	11-230
Cisco ASR903 Series—Supported Topologies	11-233
Cisco ASR903 Series—Supported Modules	11-233

Cisco ASR903 Series—Supported Technologies	11-238
Cisco ASR903 Series—Supported Service Events	11-238
Cisco ASR907 Series Routers	11-244
Cisco ASR907 Series—Supported Software Versions	11-245
Cisco ASR907—Supported Topologies	11-245
Cisco ASR907—Supported Modules	11-247
Cisco ASR907—Supported Technologies	11-255
Cisco ASR907—Supported Service Events	11-256
Cisco ASR920 Series Routers	11-260
Cisco ASR920 Series—Supported Software Versions	11-260
Cisco ASR920 Series—Supported Topologies	11-261
Cisco ASR920 Series—Supported Modules	11-262
Cisco ASR920 Series—Supported Technologies	11-263
Cisco ASR920 Series—Supported Service Events	11-264
Cisco ASR 5000 Series Routers	11-269
Cisco ASR 5000 Series—Supported Software Versions	11-270
Cisco ASR 5000 Series—Supported Topologies	11-272
Cisco ASR 5000 Series—Supported Modules	11-272
Cisco ASR 5000 Series—Supported Technologies	11-273
Cisco ASR 5000 Series—Supported Service Events	11-274
Cisco Cloud Services Router 1000v	11-281
Cisco CSR 1000v—Supported Software Versions	11-281
Cisco CSR 1000v—Supported Topologies	11-282
Cisco CSR 1000v—Supported Modules	11-282
Cisco CSR 1000v—Supported Technologies	11-282
Cisco CSR 1000v—Supported Service Events	11-282
Cisco Network Convergence System 6000 Series Routers	11-283
Cisco NCS 6000 Series—Supported Software Versions	11-284
Cisco NCS 6000 Series—Supported Technologies	11-284
Cisco NCS 6000 Series—Supported Modules	11-285
Cisco NCS 6000 Series—Supported Service Events	11-286
Cisco Network Convergence System 540 Series Routers	11-286
Cisco NCS 540 Series—Supported Software Versions	11-286
Cisco NCS 540 Series—Supported Technologies	11-287
Cisco NCS 540 Series—Supported Modules	11-288
Cisco Network Convergence System 5500 Series Routers	11-288
Cisco NCS 5500 Series—Supported Software Versions	11-288
Cisco NCS 5500 Series—Supported Technologies	11-288
Cisco NCS 5500 Series—Supported Modules	11-289

Cisco IOS-XRv9k	11-290
Cisco IOS-XRv9k—Supported Software Versions	11-290
Cisco IOS-XRv9k—Supported Topologies	11-290
Cisco IOS-XRv9k—Supported Modules	11-291
Cisco IOS-XRv9k—Supported Technologies	11-291
Cisco IOS-XRv9k—Supported Service Events	11-291
Supported Technologies on Cisco Routers	11-292
IP	11-293
Routing Protocols	11-298
Ethernet	11-302
ATM	11-319
Frame Relay	11-322
PPP	11-323
HDLC	11-325
SONET/SDH	11-325
TDM/DSx	11-326
MPLS	11-330
MPLS-TE	11-334
MPLS-TP	11-336
VPN (VRF)	11-339
PWE3	11-340
Security	11-342
Hardware	11-342
Port	11-350
Additional Technologies	11-351
IPoDWDM	11-352
LocalSwitching	11-355
BFD	11-355
Carrier Ethernet	11-356
LLDP	11-358
CDP	11-358
Ethernet OAM	11-359
SBC	11-364
AccessGatewayService	11-370
6PE	11-371
6rd	11-371
MLACP	11-372
IPSec	11-372
AAA	11-373
BNG	11-384

DHCP 11-385
 Dynamic Config Templates 11-386
 QoS 11-387
 BNG,DHCP,QoS 11-389
 IPMulticast 11-389
 Mobile 11-394
 Satellite 11-458
 PWHEInterface 11-460
 ClusterIRL 11-460
 RLFA 11-461
 HNB 11-461
 HeNB 11-465
 IuPS 11-467
 SGSN 11-470
 Serial 11-471
 Discovery Protocol 11-472
 BNG,DHCP,QoS 11-472

CHAPTER 12

Support Information for Cisco Switches 12-1

Cisco Catalyst 1900 Series Switches 12-2
 Catalyst 1900—Supported Software Versions 12-2
 Catalyst 1900—Supported Topologies 12-2
 Catalyst 1900—Supported Technologies 12-3
 Catalyst 1900—Supported Service Events 12-3
 Cisco Catalyst 2900 Series Switches 12-4
 Cisco Catalyst 2900 Series—Supported Software Versions 12-4
 Cisco Catalyst 2900 Series—Supported Topologies 12-4
 Cisco Catalyst 2900 Series—Supported Modules 12-5
 Cisco Catalyst 2900 Series—Supported Technologies 12-5
 Cisco Catalyst 2900 Series—Supported Service Events 12-6
 Cisco Catalyst 2960 Series Switches—Additional Support 12-6
 Cisco Cat 2960—Supported Software Version 12-6
 Cisco Cat 2960—Supported Module 12-7
 Cisco ME 3400 Series Ethernet Access Switches 12-7
 Cisco ME 3400 Series—Supported Software Versions 12-7
 Cisco ME 3400 Series—Supported Topologies 12-9
 Cisco ME 3400 Series—Supported Modules 12-9
 Cisco ME 3400 Series—Supported Technologies 12-10
 Cisco ME 3400 Series—Supported Service Events 12-10

Cisco 2500 Series Connected Grid Switch	12-11
Cisco 2520 Connected Grid Switch—Supported Software Versions	12-11
Cisco 2520 Connected Grid Switch—Supported Topologies	12-11
Cisco 2520 Connected Grid Switch—Supported Modules	12-12
Cisco 2520 Connected Grid Switch—Supported Technologies	12-12
Cisco 2520 Connected Grid Switch—Supported Service Events	12-12
Cisco Catalyst 3500 XL Series Switches	12-13
Cisco Catalyst 3500 XL Series—Supported Software Versions	12-13
Cisco Catalyst 3500 XL Series—Supported Topologies	12-13
Cisco Catalyst 3500 XL Series—Supported Modules	12-13
Cisco Catalyst 3500 XL Series—Supported Technologies	12-14
Cisco Catalyst 3500 XL Series—Supported Service Events	12-14
Cisco Catalyst 3550 Series Switches	12-15
Cisco Catalyst 3550 Series—Supported Software Versions	12-15
Cisco Catalyst 3550 Series—Supported Topologies	12-15
Cisco Catalyst 3550 Series—Supported Technologies	12-16
Cisco Catalyst 3550 Series—Supported Service Events	12-16
Cisco Catalyst 3560 Series Switches	12-17
Cisco Catalyst 3560 Series—Supported Software Versions	12-17
Cisco Catalyst 3560 Series—Supported Topologies	12-18
Cisco Catalyst 3560 Series—Supported Modules	12-18
Cisco Catalyst 3560 Series—Supported Technologies	12-19
Cisco Catalyst 3560 Series—Supported Service Events	12-19
Cisco Catalyst 3750 Series Switches	12-20
Cisco 3750 Series—Supported Software Versions	12-20
Cisco 3750 Series—Supported Topologies	12-21
Cisco 3750 Series—Supported Modules	12-21
Cisco 3750 Series—Supported Technologies	12-22
Cisco 3750 Series—Supported Service Events	12-22
Cisco Catalyst 3750 Metro Series Switches	12-23
Cisco Catalyst 3750 Metro Series—Supported Software Versions	12-23
Cisco Catalyst 3750 Metro Series—Supported Topologies	12-24
Cisco Catalyst 3750 Metro Series—Supported Modules	12-24
Cisco Catalyst 3750 Metro Series—Supported Technologies	12-25
Cisco Catalyst 3750 Metro Series—Supported Service Events	12-25
Cisco Catalyst 4000 Series Switches	12-26
Cisco Catalyst 4000 Series—Supported Software Versions	12-26
Cisco Catalyst 4000 Series—Supported Topologies	12-27
Cisco Catalyst 4000 Series—Supported Modules	12-27

Cisco Catalyst 4000 Series—Supported Technologies	12-28
Cisco Catalyst 4000 Series—Supported Service Events	12-29
Cisco Catalyst 4500 Series Switches	12-29
Cisco Catalyst 4500 Series—Supported Software Versions	12-30
Cisco Catalyst 4500 Series—Supported Topologies	12-31
Cisco Catalyst 4500 Series—Supported Modules	12-31
Cisco Catalyst 4500 Series—Supported Technologies	12-36
Cisco Catalyst 4500 Series—Supported Service Events	12-36
Cisco Catalyst 4900 Series Switches	12-37
Cisco Catalyst 4900 Series—Supported Software Versions	12-37
Cisco Catalyst 4900 Series—Supported Topologies	12-38
Cisco Catalyst 4900 Series—Supported Modules	12-38
Cisco Catalyst 4900 Series—Supported Technologies	12-44
Cisco Catalyst 4900 Series—Supported Service Events	12-45
Cisco ME 4900 Series Ethernet Switch	12-47
Cisco 4924 ME—Supported Software Versions	12-47
Cisco 4924 ME—Supported Topologies	12-48
Cisco 4924 ME—Supported Modules	12-48
Cisco 4924 ME—Supported Technologies	12-50
Cisco 4924 ME—Supported Service Events	12-50
Cisco Catalyst 5000 Series Switches	12-52
Cisco 5000 Series—Supported Software Versions	12-53
Cisco 5000 Series—Supported Topologies	12-53
Cisco 5000 Series—Supported Technologies	12-53
Cisco 5000 Series—Supported Service Events	12-53
Cisco Catalyst 6500 Series (CatOS) Switches	12-54
Cisco Catalyst 6500 Series (CatOS)—Supported Software Versions	12-54
Cisco Catalyst 6500 Series (CatOS)—Supported Topologies	12-55
Cisco Catalyst 6500 Series (CatOS)—Supported Modules	12-55
Cisco Catalyst 6500 Series (CatOS)—Supported Technologies	12-58
Cisco Catalyst 6500 Series (CatOS)—Supported Service Events	12-58
Cisco Catalyst 6500 Series (IOS) Switches	12-59
Cisco Catalyst 6500 Series (IOS)—Supported Software Versions	12-59
Cisco Catalyst 6500 Series (IOS)—Supported Topologies	12-61
Cisco Catalyst 6500 Series (IOS)—Supported Modules	12-61
Cisco Catalyst 6500 Series (IOS)—Supported Technologies	12-68
Cisco Catalyst 6500 Series (IOS)—Supported Service Events	12-69
Cisco Catalyst 6880 Series Switches—Additional Support	12-72
Cisco Catalyst 6880 —Supported Software Version	12-72

Cisco Catalyst 6840 Series Switches—Additional Support	12-72
Cisco Catalyst 6840 —Supported Software Version	12-72
Cisco ME 6500 Series Ethernet Switches (6524)	12-72
Cisco ME 6500 Series (6524)—Supported Software Versions	12-73
Cisco ME 6500 Series (6524)—Supported Topologies	12-73
Cisco ME 6500 Series (6524)—Supported Modules	12-73
Cisco ME 6500 Series (6524)—Supported Technologies	12-74
Cisco ME 6500 Series (6524)—Supported Service Events	12-74
Cisco ME 3600X Ethernet Access Switch	12-75
Cisco ME 3600X—Supported Software Versions	12-75
Cisco ME 3600X—Supported Topologies	12-77
Cisco ME 3600X—Supported Modules	12-78
Cisco ME 3600X—Supported Technologies	12-80
Cisco ME 3600X—Supported Service Events	12-80
Cisco ME 3800X Carrier Ethernet Switches	12-81
Cisco ME 3800X—Supported Software Versions	12-81
Cisco ME 3800X—Supported Topologies	12-83
Cisco ME 3800X—Supported Modules	12-83
Cisco ME 3800X—Supported Technologies	12-84
Cisco ME 3800X—Supported Service Events	12-85
Cisco Nexus 7000 Series Switches	12-85
Cisco Nexus 7000—Supported Software Versions	12-86
Cisco Nexus 7000—Supported Topologies	12-88
Cisco Nexus 7000—Supported Modules	12-88
Cisco Nexus 7000—Supported Technologies	12-95
Cisco Nexus 7000—Supported Service Events	12-95
Cisco Nexus 9000 Series Switches	12-96
Cisco Nexus 9000—Supported Software Versions	12-97
Cisco Nexus 9000—Supported Topologies	12-97
Cisco Nexus 9000—Supported Modules	12-98
Cisco Nexus 9000—Supported Technologies	12-101
Cisco Nexus 9000—Supported Service Events	12-102
Cisco Nexus 5000 Series Switches	12-103
Cisco Nexus 5000—Supported Software Versions	12-103
Cisco Nexus 5000—Supported Topologies	12-104
Cisco Nexus 5000—Supported Modules	12-105
Cisco Nexus 5000—Supported Technologies	12-110
Cisco Nexus 5000—Supported Service Events	12-110
Cisco Nexus 1000 Series Switches	12-112

Cisco Nexus 1000 Series—Supported Software Versions	12-112
Cisco Nexus 1000 Series—Supported Topologies	12-113
Cisco Nexus 1000 Series—Supported Modules	12-113
Cisco Nexus 1000 Series—Supported Technologies	12-114
Cisco Nexus 1000 Series—Supported Service Events	12-114
Cisco Nexus 3000 Series Switches	12-115
Cisco Nexus 3000—Supported Software Versions	12-115
Cisco Nexus 3000—Supported Topologies	12-116
Cisco Nexus 3000—Supported Modules	12-116
Cisco Nexus 3000—Supported Technologies	12-117
Cisco Nexus 3000—Supported Service Events	12-118
Cisco 6800 Series (IOS) Switches	12-120
Cisco 6800—Supported Software Versions	12-120
Cisco ACE 4700 Series Access Control Engine	12-120
Cisco ACE 4700—Supported Software Versions	12-120
Cisco ACE 4700—Supported Topologies	12-120
Cisco ACE 4700—Supported Technologies	12-121
Cisco ACE 4700—Supported Service Events	12-121
Cisco Service Control Engines	12-125
Cisco SCE—Supported Topologies	12-125
Cisco SCE—Supported Technologies	12-125
Cisco SCE—Supported Service Events	12-125
Cisco ME1200 Series Carrier Ethernet Switches	12-126
Supported Software Versions	12-126
Supported Topologies	12-127
Supported Technologies	12-127
—Supported Service Events	12-127
Cisco Nexus 6000 Series Switches	12-128
Cisco Nexus 6000—Supported Software Versions	12-128
Cisco Nexus 6000—Supported Topologies	12-128
Cisco Nexus 6000—Supported Modules	12-129
Cisco Nexus 6000—Supported Technologies	12-129
Cisco Nexus 6000—Supported Service Events	12-130
Cisco Catalyst 3850 Series Switches	12-131
Cisco 3850 Series—Supported Software Versions	12-131
Cisco 3850 Series—Supported Topologies	12-132
Cisco 3850 Series—Supported Modules	12-133
Cisco 3850 Series—Supported Technologies	12-135
Cisco 3850 Series—Supported Service Events	12-135

Supported Technologies on Cisco Switches	12-136
IP	12-137
Routing Protocols	12-144
Ethernet	12-147
ATM	12-155
Frame Relay	12-158
PPP	12-159
HDLC	12-160
SONET/SDH	12-160
TDM/DSx	12-162
MPLS	12-166
MPLS-TE	12-167
VPN (VRF)	12-169
PWE3	12-171
Security	12-172
Hardware	12-173
Port	12-181
Additional Technologies	12-182
LocalSwitching	12-182
BFD	12-183
Carrier Ethernet	12-184
LLDP	12-185
CDP	12-186
Ethernet OAM	12-186
QoS	12-190
VPCDomain	12-192
VPCPortChannel	12-192
VPCPeerLinkPh	12-193
VPCKeepAliveLinkPh	12-193
FabricPathContainer	12-193
FabricPathInterfaceTableEntry	12-194
IPMulticast	12-194
FiberChannel	12-199
VSAN	12-200
RLFA	12-201
Serial	12-202
VPCDomain	12-203
VPCPortChannel	12-204
Cisco Industrial Ethernet 2K —Additional Support	12-204
Cisco Industrial Ethernet 2K—Supported Software Versions	12-204

Cisco Industrial Ethernet 2K—Supported Software Modules	12-204
Cisco Industrial Ethernet 2K—Supported Software Topologies	12-205
Cisco Industrial Ethernet 3K —Additional Support	12-206
Cisco Industrial Ethernet 3K—Supported Software Versions	12-206
Cisco Industrial Ethernet 3K—Supported Software Modules	12-206
Cisco Industrial Ethernet 3K—Supported Software Topologies	12-207
Cisco Industrial Ethernet 4K —Additional Support	12-207
Cisco Industrial Ethernet 4K—Supported Software Versions	12-207
Cisco Industrial Ethernet 4K—Supported Software Modules	12-208
Cisco Industrial Ethernet 4K—Supported Software Topologies	12-208

CHAPTER 13

Support Information for VMware Devices 13-1

VMware VirtualCenter Server	13-1
VMware vCenter Server—Supported Software Versions	13-1
VMware vCenter Server—Supported Topologies	13-2
VMware vCenter Server—Supported Technologies	13-2
VMware vCenter Server—Supported Service Events	13-3
Supported Technologies on VMware Devices	13-5
IP	13-6
Ethernet	13-9
Hardware	13-15
ComputeVirtualization	13-20
VirtualDataCenter	13-21
IVirtualDataStoresContainer	13-21
VirtualDataStore	13-22
HostClusterContainer	13-22
HostCluster	13-23
HostClusterCPUCapacityProvision	13-24
HostClusterMemoryCapacityProvision	13-24
HostClusterStatistics	13-25
HostEntry	13-25
HostsContainer	13-26
Host	13-26
HostHypervisor	13-27
HostProcessor	13-28
HostStatistics	13-29
HostCPUCapacityProvision	13-29
HostMemoryCapacityProvision	13-30
VirtualMachinesContainer	13-30

VirtualMachineTableEntry	13-31
VirtualMachine	13-31
VirtualMachineStatistics	13-33
VMCPUCapacityAllocation	13-33
VMMemoryCapacityAllocation	13-34
VMDiskCapacityAllocation	13-34
VMDataStoreUsage	13-35
HostDataStoreUsage	13-36
VirtualEntityNetworkEndPoint	13-36
ComputeResourcePool	13-37
ResourcePoolCPUCapacityProvision	13-38
ResourcePoolMemoryCapacityProvision	13-39
ResourcePoolStatistics	13-39

CHAPTER 14**Support Information for Generic Devices 14-1**

Generic SNMP VNE	14-1
Generic SNMP VNE—Supported Topologies	14-1
Generic SNMP VNE—Supported Technologies	14-1
Generic SNMP VNE—Supported Service Events	14-2
Generic ESXi Server	14-2
Generic ESXi Server—Supported Software Versions	14-2
Generic ESXi Server—Supported Topologies	14-3
Generic ESXi Server—Supported Technologies	14-3
Generic ESXi Server—Supported Service Events	14-3
Supported Technologies on Generic Devices	14-4
IP	14-5
Ethernet	14-8
ATM	14-16
Hardware	14-19

CHAPTER 15**Support Information for Cisco Management Applications 15-1**

Cisco Prime Access Registrar (CPAR)	15-1
CPAR—Supported Software Versions	15-1
CPAR—Supported Technologies	15-2
Cisco Prime Network Registrar (CPNR)	15-3
CPNR—Supported Software Versions	15-3
CPNR—Supported Technologies	15-3
Supported Technologies on CPAR	15-4
Radius	15-4

UserGroups	15-5
UserGroups (Attribute List)	15-5
UserGroups (Check Items)	15-5
Services (Simple)	15-6
Services (Remote Servers)	15-9
Services (PEAP)	15-10
Services (EAP)	15-11
Services (Diameter)	15-13
Radius Advanced	15-13
Session Manager	15-16
Remote Servers	15-17
Remote Servers (Diameter)	15-17
Remote Servers (LDAP)	15-18
Remote Servers (LDAP Accounting)	15-20
Remote Servers (ODBC/OCI)	15-21
Remote Servers (ODBC/OCI Accounting)	15-22
Remote Servers (Rest)	15-23
Remote Servers (Others)	15-24
Diameter	15-26
Diameter (General)	15-26
Diameter (Transport)	15-27
Diameter (Applications)	15-27
Diameter (Commands)	15-28
Diameter (Attributes)	15-29
Clients	15-30
Profiles	15-31
Scripts	15-32
Policies	15-32
CommandSets	15-33
Device Access Rules	15-33
Device Access Rules (Command Sets)	15-33
Device Access Rules (Conditions)	15-34
Fast Rules	15-34
Fast Rules (Attributes)	15-34
Group Servers	15-35
Group Servers (Diameter Remote Servers)	15-35
Replication	15-35
Replication (Members)	15-36
Radius Dictionary (Attributes)	15-36
Vendor Dictionary	15-37

Vendor Dictionary (Sub Attributes)	15-37
Vendors	15-38
Translations	15-38
Translations (Attributes)	15-38
Translation Group (Translations)	15-39
Resource Manager	15-39
Resource Manager (IP Address)	15-40
Resource Manager (Networks)	15-40
Resource Manager (Gateways)	15-40
Resource Manager (Ports)	15-41
Resource Manager (Home Agent IP Addresses)	15-41
Resource Manager (Query Mapping)	15-41
Resource Manager (Attributes to be Cached)	15-42
Rules	15-42
Rules (Attributes)	15-42
Hardware	15-42
Supported Technologies on CPNR	15-44
Session	15-44
DNS	15-45
CDNS	15-47
DHCP	15-48
TFTP	15-50
CCM	15-51
Clusters	15-52
Licenses	15-53
License Utilization	15-54
Failover Pair	15-55
HA Pair	15-55
Zone Distribution	15-56
Hardware	15-57



Introduction

This chapter introduces Virtual Network Elements (VNEs) and describes the types of information available in this Guide.

This chapter contains the following topics:

- [Introduction to VNEs, page 1-1](#)
- [Understanding the Tables, page 1-1](#)

Introduction to VNEs

VNEs (Virtual Network Elements) are independent software processes that run on the Cisco ANA Unit Servers. Each VNE is assigned to manage a single network element (NE) using the NE's management interfaces (for example, SNMP and/or Telnet). The VNEs maintain a live model, or abstraction, of each NE and the entire network.

As the VNE loads, it starts investigating the NE and automatically builds a live model of the NE, including its physical and logical inventory, its configuration and its status. After modeling the NE, the VNE begins negotiating with peer VNEs, which represent the peer NEs, in order to determine NE connectivity and topology at different layers. This model of the network topology, NE state, and NE inventory is constantly being updated by the VNEs, which track every change that occurs in the NEs and the network.

The VNEs communicate between themselves to analyze end-to-end flows, which provide information for root-cause and impact analysis, service path tracing, and more.

Understanding the Tables

This section describes key information that can be found in the VNE support information chapters in this Guide

This section contains the following topics:

- [Software Versions, page 1-2](#)
- [Product Versions, page 1-3](#)
- [Expedite Legend, page 1-3](#)

Software Versions

The Software Version column in the tables in this Guide identifies the NE software versions that are compatible with Cisco ANA and that can be running on the NEs that Cisco ANA supports. For example: The “Cisco 7600 Series—Supported Software Versions” table lists Cisco IOS software version 12.2(18)SXD. This means that Cisco ANA will work with any supported Cisco 7600-series router (such as the Cisco 7603) that is running IOS release 12.2(18)SXD.

Cisco ANA may support subsequent maintenance releases of NE software versions, but only if these later NE software versions do not require changes in Cisco ANA to maintain compatibility. Changes in any of the following NE software components can affect compatibility with Cisco ANA, and may require Cisco ANA software changes: XML interfaces, SNMP commands, MIBs, and CLI commands. In cases where a new NE software version remains compatible without requiring changes in Cisco ANA, support will include recognition of the new NE software version. However, it may not include support for additional software and features (such as new hardware modules) in the NE software version.

Also, for Cisco ANA to recognize a later NE software image, the name of the NE software rebuild should be similar to a software image in the train already supported in Cisco ANA. For example, Cisco ANA 3.7 supports IOS 12.2(33)SRC4 for 7600 devices. If IOS 12.2(33)SRC5 is released, ANA will recognize IOS 12.2.(33)SRC5 with the same level of support as IOS 12.2(33)SRC4 on 7600 devices. But Cisco ANA will not support any additional software or hardware features introduced in IOS 12.2(33)SRC5.

Cisco ANA will not recognize any other maintenance or special build whose version string does not match the indicated naming pattern. For example: IOS 12.2(33)SRC4xyz (or any other variation) will not be recognized.

When an NE software release is not recognized, Cisco ANA attempts to model the NE using the default version for that device series. The default version is a device-specific fallback set of commands and MIB instrumentation that allows Cisco ANA to discover and query for basic device properties, including:

- Managed element information.
- Basic physical inventory.
- Logical Inventory (including the Routing Table, ARP, BGP and OSPF information). Modelling of other technologies is done on a best-effort basis.

The default version does not correspond to any specific supported NE software version. Building of the physical model and its containment structure depends on the instrumentation (MIB and CLI commands) used by the default version. The default version may show you different containment structures (modules and cards) from what you will see for an explicitly supported NE software version. You can discover whether the default version is being used for a particular VNE by looking in the AVM log located in *install directory/main/logs* (search for **default version**).

Cisco frequently qualifies new NE software versions for compatibility with Cisco ANA, and updates the online version of this Guide accordingly. If you are not sure whether the current version of Cisco ANA supports a recently released NE software version, check the online version of this Guide on Cisco.com for an update. The NE software version should appear in the updated version of this Guide if it has been qualified as compatible with this Cisco ANA release. If the online version of this Guide does not list the new software version, contact Cisco Professional Services or your Cisco Sales Representative.

Product Versions

The ANA Version column found in the tables in this Guide lists the version of ANA during which a VNE supporting the specified NE module, software, topology, or other feature was first introduced. It is therefore the earliest Cisco ANA version that supports that NE. All later versions of ANA also support the NE. For example: If the Guide indicates that Cisco 7600 routers are supported on Cisco ANA 3.6.0, they are also supported on Cisco ANA 3.6.1, 3.6.2, and so on.

Expedite Legend

[Table 1-1](#) describes the meaning of the Expedite column found in the service event (service alarm) tables in this Reference Guide.

Table 1-1 Expedite Legend in Service Event Tables

Value	Descriptions
Y	The service event is expedited by a syslog or trap generated by the device. This means that the syslog or trap causes the VNE to poll the device without waiting for the usual polling cycle, thus enabling quicker detection of the event.
N	The service event is not expedited. This means that the VNE will poll this device during the next regularly scheduled polling cycle.



Overview—Supported Network Elements in Cisco Prime Network Version 5.3

This chapter provides an overview of network elements (NEs) that are supported by Cisco Prime Network Version 5.3 and includes the following sections:

This chapter contains the following topics:

- [Support Information for Cisco CMTS, page 2-1](#)
- [Support Information for Cisco Citrix Devices, page 2-2](#)
- [Support Information for Cisco Optical Transport, page 2-2](#)
- [Support Information for Cisco Security Appliances, page 2-2](#)
- [Support Information for Cisco U-EQAM, page 2-4](#)
- [Support Information for Cisco Access Servers, page 2-5](#)
- [Support Information for Cisco Gateways, page 2-5](#)
- [Support Information for Cisco Routers, page 2-5](#)
- [Support Information for Cisco Switches, page 2-16](#)
- [Support Information for Generic Devices, page 2-28](#)
- [Supported Devices Not Included in This Guide, page 2-29](#)

Support Information for Cisco CMTS

This document includes support information for the following Cisco CMTS:

- [Cisco Universal Broadband Router 7200 Series](#)
- [Cisco Universal Broadband Router 10000 Series](#)

Table 2-1 Supported Cisco CMTS in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco Universal Broadband Router 7200 Series			
ciscoUBR7246VXR	Cisco UBR7246VXR	1.3.6.1.4.1.9.1.271	
Cisco Universal Broadband Router 10000 Series			
ciscoUBR10012	Cisco UBR 10012	1.3.6.1.4.1.9.1.317	

Support Information for Cisco Citrix Devices

This document includes support information for the following Cisco Citrix devices:

- [Citrix NetScaler Series](#)

Table 2-2 Supported Cisco Citrix Devices in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Citrix NetScaler Series			
NetScaler VPX	NetScaler VPX	1.3.6.1.4.1.5951.1	

Support Information for Cisco Optical Transport

This document includes support information for the following Cisco Optical Transport:

- [Cisco Carrier Packet Transport Series Devices](#)
- [Cisco Carrier Packet Transport 50 Series Devices](#)

Table 2-3 Supported Cisco Optical Transport in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco Carrier Packet Transport Series Devices			
CPT600	Cisco CPT 600 series device	1.3.6.1.4.1.3607.1.20.10.80	3.8
CPT200	Cisco CPT 200 series device	1.3.6.1.4.1.3607.1.20.10.70	3.8
Cisco Carrier Packet Transport 50 Series Devices			
CPT50	Cisco CPT 50 Series	1.3.6.1.4.1.9.1.1937	3.8

Support Information for Cisco Security Appliances

This document includes support information for the following Cisco Security appliances:

- [Cisco Adaptive Security Appliance 5550 Series](#)
- [Cisco Adaptive Security Appliance 5580 Series](#)

- [Cisco ASA-5585 Adaptive Security Appliance](#)
- [Cisco ASA 1000v](#)
- [Cisco ASA-5585 Adaptive Security Appliance](#)
- [Cisco Virtual Security Gateway](#)

Table 2-4 Supported Cisco Security Appliances in Cisco Prime Network 5.3

NE Type	Product Name	SysOID	Product Version
Cisco Adaptive Security Appliance 5550 Series			
ciscoASA5550	Cisco ASA 5550 Security Appliance	.1.3.6.1.4.1.9.1.753	13.6.3
ciscoASA5550sc	Cisco ASA 5550 Security Appliance	.1.3.6.1.4.1.9.1.763	2 3.6.3
ASA5525	ASA 5525 Adaptive Security Appliance	.1.3.6.1.4.1.9.1.1408	3 3.6.3
ASA5525-X	ASA 5525 Adaptive Security Appliance	.1.3.6.1.4.1.9.1.1408	4 3.6.3
ASA 5512-X	ASA 5512-X (single context)	.1.3.6.1.4.1.9.1.1407	4.3.2-DP DP 1705
ASA 5515-X	ASA 5515-X (single context)	.1.3.6.1.4.1.9.1.1421	4.3.2-DP DP 1705
ASA 5512-X	ASA 5512-X (multi context)	.1.3.6.1.4.1.9.1.1411	4.3.2-DP1 705
ASA 5515-X	ASA 5515-X (multi context)	.1.3.6.1.4.1.9.1.1420	4.3.2-DP 1705
ASA 5545	ASA 5545 (single context)	.1.3.6.1.4.1.9.1.1409	4.3.2-DP DP 1705
ASA 5555	ASA 5555 (single context)	.1.3.6.1.4.1.9.1.1410	4.3.2-DP DP 1705
ASA 5545	ASA 5545 (multi context)	.1.3.6.1.4.1.9.1.1413	4.3.2-DP 1705
ASA 5555	ASA 5555 (multi context)	.1.3.6.1.4.1.9.1.1414	4.3.2-DP 1705
Cisco Adaptive Security Appliance 5580 Series			
ciscoASA5580	Cisco ASA 5580 Adaptive Security Appliance	.1.3.6.1.4.1.9.1.914	5 3.7
Cisco ASA-5585 Adaptive Security Appliance			
CiscoASA5585SspIps 60	Intrusion Prevention for the Cisco ASA 5500-X Series	1.3.6.1.4.1.9.1.1235	
ASA5585	ASA5585 (single context)	.1.3.6.1.4.1.9.1.1196	4.3.2-DP 1705
ASA5585	ASA5585 (multi context)	.1.3.6.1.4.1.9.1.1199	4.3.2-DP 1705

Table 2-4 Supported Cisco Security Appliances in Cisco Prime Network 5.3 (Continued)

NE Type	Product Name	SysOID	Product Version
ASA5516	ASA 5516-X with FirePOWER Services	1.3.6.1.4.1.9.1.1194	Prime Network 4.3-DP1707
Cisco ASA 1000v			
Cisco ASA1000v	Cisco ASA 1000v	1.3.6.1.4.1.9.1.1614	
Cisco ASA-5585 Adaptive Security Appliance			
CiscoASA5585Ssp40	Cisco ASA-5585 Adaptive Security Appliance	1.3.6.1.4.1.9.1.1196	⁶
CiscoASA5585Ssp60	Cisco ASA-5585 Adaptive Security Appliance	1.3.6.1.4.1.9.1.1197	⁷
CiscoASA5585Ssp40sc	Cisco ASA-5585 Adaptive Security Appliance Security Context	1.3.6.1.4.1.9.1.1200	⁸
CiscoASA5585Ssp60sc	Cisco ASA-5585 Adaptive Security Appliance Security Context	1.3.6.1.4.1.9.1.1201	⁹
CiscoASA5585SspIps60	Cisco ASA 5585-X Integrated Edition SSP-60 IPS SSP-60 Bundle	1.3.6.1.4.1.9.1.1235	
Cisco Virtual Security Gateway			
Nexus VSG	Nexus 1010 Virtual Security Gateway	1.3.6.1.4.1.9.12.3.1.3.1646	4.0

^{1, 2, 3, 4, 5}Only Single context is supported in ASA devices.

^{6, 7, 8, 9}Both Single context and multi context supported

Support Information for Cisco U-EQAM

This document includes support information for the following Cisco U-EQAM:

- [Cisco RF Gateway Series](#)

Table 2-5 Supported Cisco U-EQAM in Cisco Prime Network 5.3

NE Type	Product Name	SysOID	Product Version
Cisco RF Gateway Series			
CiscoRFGW10	Cisco RF Gateway 10 series	1.3.6.1.4.1.9.1.931	4.0

Support Information for Cisco Access Servers

This document includes support information for the following Cisco access servers:

- [Cisco Access Server 5800 Series](#)

Table 2-6 Supported Cisco Access Servers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco Access Server 5800 Series			
ciscoAS5800	Cisco Access Server 5800	1.3.6.1.4.1.9.1.188	3.7.1

Support Information for Cisco Gateways

This document includes support information for the following Cisco gateways:

- [Cisco AS5300 Series Universal Gateways](#)
- [Cisco Star OS Series Mobile-Gateway](#)

Table 2-7 Supported Cisco Gateways in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco AS5300 Series Universal Gateways			
ciscoAS5300	Cisco†AS5300 Access Server	1.3.6.1.4.1.9.1.162	3.6.0

Support Information for Cisco Routers

This document includes support information for the following Cisco routers:

- [Cisco 800 Series Routers](#)
- [Cisco 1000 Series Routers](#)
- [Cisco 1600 Series Routers](#)
- [Cisco 1800 Series Integrated Services Routers](#)
- [Cisco 2500 Series Routers](#)
- [Cisco 2600 Series Multiservice Platform Routers](#)
- [Cisco 2800 Series Integrated Services Routers](#)
- [Cisco 3700 Series Multiservice Access Routers](#)
- [Cisco 3800 Series Integrated Services Routers](#)
- [Cisco 7200 Series Routers](#)
- [Cisco 7300 Series Routers](#)
- [Cisco 7400 Series Routers](#)
- [Cisco 7500 Series Routers](#)

- Cisco 7600 Series Routers
- Cisco 10000 Series Routers
- Cisco 12000 Series Routers
- Cisco XR 12000 Series Routers
- Cisco ASR 9000 Series Aggregation Services Routers
- Cisco ASR 1000 Series Routers
- Cisco MWR 2900 Series Mobile Wireless Routers
- Cisco 1900 Series Integrated Services Router
- Cisco 2900 Series Integrated Services Router
- Cisco 3900 Series Integrated Service Routers
- Cisco ME2600x Series Routers
- Cisco 4700 Series Routers
- Cisco ASR901 Series Mobile Wireless Routers
- Cisco ASR903 Series Routers
- Cisco ASR 5000 Series Routers
- Cisco Cloud Services Router 1000v
- Cisco 4000 Series Integrated Service Routers
- Cisco Network Convergence System
- Cisco 800 Series Integrated Services Router

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco 800 Series Routers			
cisco801	Cisco 801 ISDN Router	1.3.6.1.4.1.9.1.212	3.6.0
cisco802	Cisco 802 ISDN Router	1.3.6.1.4.1.9.1.213	3.6.0
cisco803	Cisco 803 ISDN Router	1.3.6.1.4.1.9.1.214	3.6.0
cisco804	Cisco 804 ISDN Router	1.3.6.1.4.1.9.1.215	3.6.0
cisco805	Cisco 805 Serial Router	1.3.6.1.4.1.9.1.245	3.6.0
cisco802J	Cisco 802 ISDN Router	1.3.6.1.4.1.9.1.295	3.6.1
cisco804J	Cisco 804 ISDN Router	1.3.6.1.4.1.9.1.296	3.6.1
cisco826QuadV	Cisco 826 ADSL Router	1.3.6.1.4.1.9.1.321	3.6.1
cisco806	Cisco 806 Broadband Router	1.3.6.1.4.1.9.1.384	3.6.0
cisco811	Cisco 811 ISDN Router	1.3.6.1.4.1.9.1.395	3.6.0
cisco813	Cisco 813 ISDN Router	1.3.6.1.4.1.9.1.396	3.6.0
cisco826	Cisco 826 ADSL Router	1.3.6.1.4.1.9.1.322	3.6.0
cisco827	Cisco 827 ADSL Router	1.3.6.1.4.1.9.1.284	3.6.0

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cisco827H	Cisco 827 H ADSL Router	1.3.6.1.4.1.9.1.446	3.6.0
cisco827QuadV	Cisco 827-4V ADSL Router	1.3.6.1.4.1.9.1.270	3.6.0
cisco828	Cisco 828 G.SHDSL Router	1.3.6.1.4.1.9.1.382	3.6.0
cisco831	Cisco 831 Ethernet Broadband Router	1.3.6.1.4.1.9.1.497	3.6.0
cisco836	Cisco 836 ADSL over ISDN Broadband Router	1.3.6.1.4.1.9.1.499	3.6.0
cisco837	Cisco 837 ADSL Broadband Router	1.3.6.1.4.1.9.1.495	3.6.1
cisco876	Cisco 876 Integrated Services Router	1.3.6.1.4.1.9.1.568	3.6.1
cisco877	Cisco 877 Integrated Services Router	1.3.6.1.4.1.9.1.569	3.6.1
cisco878	Cisco 878 Integrated Services Router	1.3.6.1.4.1.9.1.570	3.6.1
cisco871	Cisco 871 Integrated Services Router	1.3.6.1.4.1.9.1.571	3.6.1
Cisco 1000 Series Routers			
cisco1003	Cisco 1003 Router	1.3.6.1.4.1.9.1.41	3.5.2
cisco1004	Cisco 1004 Router	1.3.6.1.4.1.9.1.44	3.5.2
cisco1005	Cisco 1005 Router	1.3.6.1.4.1.9.1.49	3.5.2
Cisco 1600 Series Routers			
cisco1601	Cisco 1601 Router	1.3.6.1.4.1.9.1.113	3.6.1
cisco1602	Cisco 1602 Router	1.3.6.1.4.1.9.1.114	3.6.1
cisco1603	Cisco 1603 Router	1.3.6.1.4.1.9.1.115	3.6.1
cisco1604	Cisco 1604 Router	1.3.6.1.4.1.9.1.116	3.6.1
ciscoPro1601	Cisco Pro 1601	1.3.6.1.4.1.9.1.117	3.6.1
ciscoPro1602	Cisco Pro 1602	1.3.6.1.4.1.9.1.118	3.6.1
ciscoPro1603	Cisco Pro 1603	1.3.6.1.4.1.9.1.119	3.6.1
cisco1605	Cisco 1605 Router	1.3.6.1.4.1.9.1.172	3.6.1
Cisco 1800 Series Integrated Services Routers			
cisco1801	Cisco 1801 Integrated Services Router	1.3.6.1.4.1.9.1.638	3.6.0
cisco1802	Cisco 1802 Integrated Services Router	1.3.6.1.4.1.9.1.639	3.6.0
cisco1803	Cisco 1803 Integrated Services Router	1.3.6.1.4.1.9.1.640	3.6.0

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cisco1811	Cisco 1811 Integrated Services Router	1.3.6.1.4.1.9.1.641	3.6.0
cisco1812	Cisco 1812 Integrated Services Router	1.3.6.1.4.1.9.1.642	3.6.0
cisco1841	Cisco 1841 Integrated Services Router	1.3.6.1.4.1.9.1.620	3.6.0
Cisco 2500 Series Routers			
cisco2500	Cisco 2500 Router	1.3.6.1.4.1.9.1.13	3.6.0
cisco2501	Cisco 2501 Router	1.3.6.1.4.1.9.1.17	3.6.0
cisco2501FRA DFX	Cisco 2501 Router	1.3.6.1.4.1.9.1.165	3.6.0
cisco2501LAN FRADFX	Cisco 2501 Router	1.3.6.1.4.1.9.1.166	3.6.0
cisco2502	Cisco 2502 Router	1.3.6.1.4.1.9.1.18	3.6.0
cisco2502LAN FRADFX	Cisco 2502 Router	1.3.6.1.4.1.9.1.167	3.6.0
cisco2503	Cisco 2503 Router	1.3.6.1.4.1.9.1.19	3.6.0
cisco2504	Cisco 2504 Router	1.3.6.1.4.1.9.1.20	3.6.0
cisco2505	Cisco 2505 Router	1.3.6.1.4.1.9.1.21	3.6.0
cisco2506	Cisco 2506 Router	1.3.6.1.4.1.9.1.22	3.6.0
cisco2507	Cisco 2507 Router	1.3.6.1.4.1.9.1.23	3.6.0
cisco2508	Cisco 2508 Router	1.3.6.1.4.1.9.1.24	3.6.0
cisco2509	Cisco 2509 Router	1.3.6.1.4.1.9.1.25	3.6.0
cisco2510	Cisco 2510 Access Server	1.3.6.1.4.1.9.1.26	3.6.0
cisco2511	Cisco 2511 Router	1.3.6.1.4.1.9.1.27	3.6.0
cisco2512	Cisco 2512 Access Server	1.3.6.1.4.1.9.1.28	3.6.0
cisco2513	Cisco 2513 Router	1.3.6.1.4.1.9.1.29	3.6.0
cisco2514	Cisco 2514 Router	1.3.6.1.4.1.9.1.30	3.6.0
cisco2515	Cisco 2515 Router	1.3.6.1.4.1.9.1.31	3.6.0
cisco2516	Cisco 2516 Router	1.3.6.1.4.1.9.1.42	3.6.0
cisco2517	Cisco 2517 Router	1.3.6.1.4.1.9.1.67	3.6.0
cisco2518	Cisco 2518 Router	1.3.6.1.4.1.9.1.68	3.6.0
cisco2519	Cisco 2519 Router	1.3.6.1.4.1.9.1.69	3.6.0
cisco2520	Cisco 2520 Router	1.3.6.1.4.1.9.1.70	3.6.0
cisco2521	Cisco 2521 Router	1.3.6.1.4.1.9.1.71	3.6.0
cisco2522	Cisco 2522 Router	1.3.6.1.4.1.9.1.72	3.6.0
cisco2523	Cisco 2523 Router	1.3.6.1.4.1.9.1.73	3.6.0
cisco2524	Cisco 2524 Router	1.3.6.1.4.1.9.1.74	3.6.0

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cisco2525	Cisco 2525 Router	1.3.6.1.4.1.9.1.75	3.6.0
ciscoPro2501	Cisco Pro 2501	1.3.6.1.4.1.9.1.56	3.6.0
Cisco 2600 Series Multiservice Platform Routers			
cisco2610	Cisco 2610	1.3.6.1.4.1.9.1.185	3.6.0
cisco2610XM	Cisco 2610XM	1.3.6.1.4.1.9.1.466	3.6.0
cisco2610XM	Cisco 2610XM-DC	1.3.6.1.4.1.9.1.466	3.6.0
cisco2610XM	Cisco 2610XM-RP5	1.3.6.1.4.1.9.1.466	3.6.0
cisco2611	Cisco 2611	1.3.6.1.4.1.9.1.186	3.6.0
cisco2611XM	Cisco 2611XM	1.3.6.1.4.1.9.1.467	3.6.0
cisco2611XM	Cisco 2611XM-DC	1.3.6.1.4.1.9.1.467	3.6.0
cisco2611XM	Cisco 2611XM-RP5	1.3.6.1.4.1.9.1.467	3.6.0
cisco2612	Cisco 2612	1.3.6.1.4.1.9.1.187	3.6.0
cisco2613	Cisco 2613	1.3.6.1.4.1.9.1.195	3.6.0
cisco2620	Cisco 2620	1.3.6.1.4.1.9.1.208	3.6.0
cisco2620XM	Cisco 2620XM	1.3.6.1.4.1.9.1.468	3.6.0
cisco2620XM	Cisco 2620XM-DC	1.3.6.1.4.1.9.1.468	3.6.0
cisco2620XM	Cisco 2620XM-RP5	1.3.6.1.4.1.9.1.468	3.6.0
cisco2621	Cisco 2621	1.3.6.1.4.1.9.1.209	3.6.0
cisco2621XM	Cisco 2621XM	1.3.6.1.4.1.9.1.469	3.6.0
cisco2621XM	Cisco 2621XM-DC	1.3.6.1.4.1.9.1.469	3.6.0
cisco2621XM	Cisco 2621XM-RP5	1.3.6.1.4.1.9.1.469	3.6.0
cisco2650	Cisco 2650	1.3.6.1.4.1.9.1.319	3.6.0
cisco2650XM	Cisco 2650XM	1.3.6.1.4.1.9.1.470	3.6.0
cisco2650XM	Cisco 2650XM-DC	1.3.6.1.4.1.9.1.470	3.6.0
cisco2650XM	Cisco 2650XM-RP5	1.3.6.1.4.1.9.1.470	3.6.0
cisco2651	Cisco 2651	1.3.6.1.4.1.9.1.320	3.6.0
cisco2651XM	Cisco 2651XM	1.3.6.1.4.1.9.1.471	3.6.0
cisco2651XM	Cisco 2651XM-DC	1.3.6.1.4.1.9.1.471	3.6.0
cisco2651XM	Cisco 2651XM-RP5	1.3.6.1.4.1.9.1.471	3.6.0
cisco2691	Cisco 2691	1.3.6.1.4.1.9.1.413	3.6.0
cisco2610M	Cisco 2610M	1.3.6.1.4.1.9.1.418	3.6.0
cisco2610	Cisco2610	1.3.6.1.4.1.9.1.185	3.6.0
Cisco 2800 Series Integrated Services Routers			
cisco2801	Cisco 2801 Integrated Services Router	1.3.6.1.4.1.9.1.619	3.6.0
cisco2811	Cisco 2811 Integrated Services Router	1.3.6.1.4.1.9.1.576	3.6.0

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cisco2821	Cisco 2821 Integrated Services Router	1.3.6.1.4.1.9.1.577	3.6.0
cisco2851	Cisco 2851 Integrated Services Router	1.3.6.1.4.1.9.1.578	3.6.0
cisco2811 DC	Cisco 2811 Integrated Services Router with DC power	1.3.6.1.4.1.9.1.576	3.7
cisco2821 DC	Cisco 2821-DC Integrated Services Router†	1.3.6.1.4.1.9.1.577	3.7
Cisco 3700 Series Multiservice Access Routers			
cisco3725	Cisco 3725 Multiservice Access Router	1.3.6.1.4.1.9.1.414	3.6.0
cisco3745	Cisco 3745 Multiservice Access Router	1.3.6.1.4.1.9.1.436	3.6.0
Cisco 3800 Series Integrated Services Routers			
cisco3825	Cisco 3825 Integrated Services Router	1.3.6.1.4.1.9.1.543	3.6.0
cisco3845	Cisco 3845 Integrated Services Router	1.3.6.1.4.1.9.1.544	3.6.0
Cisco 7200 Series Routers			
cisco7202	Cisco 7202 Router	1.3.6.1.4.1.9.1.194	3.6.0
cisco7206	Cisco 7206 Router	1.3.6.1.4.1.9.1.108	3.6.0
cisco7204	Cisco 7204 Router	1.3.6.1.4.1.9.1.125	3.6.0
cisco7204VXR	Cisco 7204 VXR Router	1.3.6.1.4.1.9.1.223	3.6.0
cisco7206VXR	Cisco 7206 VXR Router	1.3.6.1.4.1.9.1.222	3.6.0
cisco7201	cisco 7201 Router	1.3.6.1.4.1.9.1.821	3.6.4
Cisco 7300 Series Routers			
cisco7304	Cisco 7304 Router	1.3.6.1.4.1.9.1.439	3.7
cisco7301	Cisco 7301 Router	1.3.6.1.4.1.9.1.476	3.7
Cisco 7400 Series Routers			
cisco7401ASR	Cisco 7401ASR	1.3.6.1.4.1.9.1.403	3.6.0
Cisco 7500 Series Routers			
cisco7505	Cisco 7505 Router	1.3.6.1.4.1.9.1.48	3.7
cisco7507	Cisco 7507 Router	1.3.6.1.4.1.9.1.45	3.7
cisco7507MX	Cisco 7507MX Router	1.3.6.1.4.1.9.1.290	3.7
cisco7507Z	Cisco 7507Z Router	1.3.6.1.4.1.9.1.288	3.7
cisco7513	Cisco 7513 Router	1.3.6.1.4.1.9.1.46	3.7
cisco7513MX	Cisco 7513MX Router	1.3.6.1.4.1.9.1.291	3.7
cisco7513Z	Cisco 7513Z Router	1.3.6.1.4.1.9.1.289	3.7

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cisco7576	Cisco 7576 Router	1.3.6.1.4.1.9.1.204	3.7
Cisco 7600 Series Routers			
cisco7604sysID	Cisco 7604 sysID Router	1.3.6.1.4.1.9.5.63	3.6.1
cisco7603	Cisco OSR 7603 Router	1.3.6.1.4.1.9.1.401	3.6.1
cisco7603S	Cisco 7603S Router	1.3.6.1.4.1.9.1.862	3.6.1
cisco7604	Cisco 7604 Router	1.3.6.1.4.1.9.1.658	3.6.0
cisco7606	Cisco 7606 Router	1.3.6.1.4.1.9.1.402	3.6.0
cisco7606s	Cisco 7606S Router	1.3.6.1.4.1.9.1.863	3.6.1
cisco7606sysID	Cisco 7606 sysID Router	1.3.6.1.4.1.9.5.54	3.6.1
cisco7609	Cisco 7609 Router	1.3.6.1.4.1.9.1.509	3.6.0
cisco7609S	Cisco 7609S Router	1.3.6.1.4.1.9.1.864	3.6.1
cisco7609sysID	Cisco 7609 sysID Router	1.3.6.1.4.1.9.5.55	3.6.1
cisco7613	Cisco 7613 Router	1.3.6.1.4.1.9.1.528	3.6.0
cisco7613sysID	Cisco 7613 sysID Router	1.3.6.1.4.1.9.5.60	3.6.1
cisco763sysID	Cisco 763 sysID Router	1.3.6.1.4.1.9.5.53	3.6.1
Cisco 10000 Series Routers			
cisco10005	Cisco 10005 Router	1.3.6.1.4.1.9.1.437	3.6.0
cisco10008	Cisco 10008 Router	1.3.6.1.4.1.9.1.438	3.6.
Cisco 12000 Series Routers			
cisco12004	Cisco 12004 Router	1.3.6.1.4.1.9.1.181	3.6.0
cisco12006	Cisco 12006 Router	1.3.6.1.4.1.9.1.590	3.6.0
cisco12008	Cisco 12008 Router	1.3.6.1.4.1.9.1.182	3.6.0
cisco12010	Cisco 12010 Router	1.3.6.1.4.1.9.1.348	3.6.0
cisco12012	Cisco 12012 Router	1.3.6.1.4.1.9.1.173	3.6.0
cisco12016	Cisco 12016 Router	1.3.6.1.4.1.9.1.273	3.6.0
cisco12404	Cisco 12404 Router	1.3.6.1.4.1.9.1.423	3.6.0
cisco12406	Cisco 12406 Router	1.3.6.1.4.1.9.1.388	3.6.0
cisco12410	Cisco 12410 Router	1.3.6.1.4.1.9.1.394	3.6.0
cisco12416	Cisco 12416 Router	1.3.6.1.4.1.9.1.385	3.6.0
cisco12810	Csico 12810 Router	1.3.6.1.4.1.9.1.478	3.6.0
cisco12816	Cisco 12816 Router	1.3.6.1.4.1.9.1.477	3.6.0
Cisco XR 12000 Series Routers			
cisco12012	Cisco 12012 Router	1.3.6.1.4.1.9.1.173	3.6.0
cisco12004	Cisco 12004 Router	1.3.6.1.4.1.9.1.181	3.6.0
cisco12008	Cisco 12008 Router	1.3.6.1.4.1.9.1.182	3.6.0
cisco12016	Cisco 12016 Router	1.3.6.1.4.1.9.1.273	3.6.0

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cisco12010	Cisco 12010 Router	1.3.6.1.4.1.9.1.348	3.6.0
cisco12416	Cisco 12416 Router	1.3.6.1.4.1.9.1.385	3.6.0
cisco12406	Cisco 12406 Router	1.3.6.1.4.1.9.1.388	3.6.0
cisco12410	Cisco 12410 Router	1.3.6.1.4.1.9.1.394	3.6.0
cisco12816	Cisco 12816 Router	1.3.6.1.4.1.9.1.477	3.6.0
cisco12810	Cisco 12810 Router	1.3.6.1.4.1.9.1.478	3.6.0
cisco12006	Cisco 12006 Router	1.3.6.1.4.1.9.1.590	3.6.0
cisco12404	Cisco 12404 Router	1.3.6.1.4.1.9.1.423	3.6.5
Cisco ASR 9000 Series Aggregation Services Routers			
ciscoASR9010	Cisco ASR 9010 chassis	1.3.6.1.4.1.9.1.1017	3.6.5
ciscoASR9006	Cisco ASR 9006 chassis with DC Power	1.3.6.1.4.1.9.1.1018	3.6.6
ciscoASR9006	Cisco ASR 9006 chassis with AC Power	1.3.6.1.4.1.9.1.1018	3.6.6
ciscoASR9001	cisco ASR 9001 chassis	1.3.6.1.4.1.9.1.1639	PrimeNetwork-3.8.xTO3.9.x-DP1206
ciscoASR9922	Cisco ASR 9922 chassis	1.3.6.1.4.1.9.1.1640	PrimeNetwork-3.8.xTO3.9.x-DP1206
ciscoASR9000v	Cisco ASR 9000v AC chassis	NA	¹ PrimeNetwork-3.8.xTO3.9.x-DP12082
ciscoASR9904	Cisco ASR 9904 chassis	1.3.6.1.4.1.9.1.1762	PrimeNetwork-3.8.xTO3.9.x-DP1310, PrimeNetwork-3.10(11)X DP1310,04.0(00 X)DP131 0
ciscoASR9912	Cisco ASR 9912 Chassis	1.3.6.1.4.1.9.1.1709	PrimeNetwork-3.8.xTO3.9.x-DP1310, PrimeNetwork-3.10(11)X DP1310,04.0(00 X)DP131 0
cisco9000v-VE	Cisco ASR 9000v-VE AC chassis	NA	PrimeNetwork-4.1-DP141 1,PN42
ciscoASR9906	Cisco ASR 9906	1.3.6.1.4.1.9.1.2572	PrimeNetwork 4.3-DP1711
Cisco ASR 1000 Series Routers			

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
ciscoASR1002	Cisco ASR1002 Chassis,4 built-in GE, Dual P/S,4GB DRAM	1.3.6.1.4.1.9.1.923	3.6.5
ciscoASR1006	Cisco ASR1006 Chassis, Dual P/S	1.3.6.1.4.1.9.1.925	3.6.5
ciscoASR1004	Cisco ASR1004 Chassis, Dual P/S	1.3.6.1.4.1.9.1.924	3.6.6
ciscoASR1002F	Cisco ASR 1002-F	1.3.6.1.4.1.9.1.1116	3.6.7
ciscoASR1013	Cisco ASR1013 Chassis	1.3.6.1.4.1.9.1.1166	3.7.1.1
ciscoASR1001	Cisco ASR1001 Chassis	1.3.6.1.4.1.9.1.1165	3.7.2
ciscoASR1002 X	Cisco ASR1002 Chassis	1.3.6.1.4.1.9.1.1525	Prime Network 4.1
ciscoASR1006-X	Cisco ASR 1006 Chassis FirePOWER Services	1.3.6.1.4.1.9.1.2143	Prime Network 4.3-DP1711
ciscoASR1002-HX	Cisco ASR 1002 Chassis FirePOWER Services	1.3.6.1.4.1.9.1.2252	Prime Network 4.3-DP1711
ciscoASR1001-HX	Cisco ASR 1001 Chassis FirePOWER Services	1.3.6.1.4.1.9.1.2348	Prime Network 4.3-DP1711
Cisco MWR 2900 Series Mobile Wireless Routers			
ciscoMWR2941	MWR-2941-DC	1.3.6.1.4.1.9.1.1014	
ciscoMWR2941 DCA	MWR-2941-DC-A	1.3.6.1.4.1.9.1.1215	
Cisco 1900 Series Integrated Services Router			
Cisco1941W-A/K9	CISCO1941W-A/K9	1.3.6.1.4.1.9.1.1095	²
Cisco1941W-E/K9	CISCO1941W-E/K9	1.3.6.1.4.1.9.1.1172	³
Cisco1941W-N/K9	CISCO1941W-N/K9	1.3.6.1.4.1.9.1.1174	⁴
Cisco1941W-P/K9	CISCO1941W-P/K9	1.3.6.1.4.1.9.1.1173	⁵
Cisco1941W-C/K9	CISCO1941W-C/K9	1.3.6.1.4.1.9.1.1220	⁶
Cisco 1941/K9	CISCO1941/K9	1.3.6.1.4.1.9.1.1047	⁷
Cisco 2900 Series Integrated Services Router			
cisco2901	CISCO2901/K9	1.3.6.1.4.1.9.1.1046	
cisco2911	CISCO2911/K9	1.3.6.1.4.1.9.1.1045	
cisco2921	CISCO2921/K9	1.3.6.1.4.1.9.1.1044	
cisco2951	CISCO2951/K9	1.3.6.1.4.1.9.1.1043	
Cisco 3900 Series Integrated Service Routers			

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
ciscoISR3945	Cisco ISR 3945 Router	1.3.6.1.4.1.9.1.1041	8
ciscoISR3925	Cisco ISR 3925/K9 Router	1.3.6.1.4.1.9.1.1042	9
Cisco ME2600x Series Routers			
A941-44SZ-FA-D	A941-44SZ-FA-D=	1.3.6.1.4.1.9.12.3.1.3 .1303	
A941-44SZ-FE-D	A941-44SZ-FE-D=	1.3.6.1.4.1.9.12.3.1.3 .1303	
A941-44SZ-FA-A	A941-44SZ-FA-A=	1.3.6.1.4.1.9.12.3.1.3 .1303	
Cisco 4700 Series Routers			
cisco4700	Cisco 4700 Router	1.3.6.1.4.1.9.1.50	
Cisco ASR901 Series Mobile Wireless Routers			
A901-12C-F-D	ASR-901-E	1.3.6.1.4.1.9.1.1522	
A901-12C-FT-D	ASR-901-C	1.3.6.1.4.1.9.1.1521	
A901-4C-F-D	ASR-901-E	1.3.6.1.4.1.9.1.1522	
A901-4C-FT-D	ASR-901-C	1.3.6.1.4.1.9.1.1521	
A901-6CZ-F-D	A901-6CZ-F-D	1.3.6.1.4.1.9.1.1724	
A901-6CZ-F-A	A901-6CZ-F-A	1.3.6.1.4.1.9.1.1725	
A901-6CZ-FT-D	A901-6CZ-FT-D	1.3.6.1.4.1.9.1.1726	
A901-6CZ-FT-A	A901-6CZ-FT-A	1.3.6.1.4.1.9.1.1727	
ASR 901 -6CZ-FS-A	ASR 901 -6CZ-FS-A	1.3.6.1.4.1.9.1.2098	
ASR 901-6CZ-FS-D	ASR 901 -6CZ-FS-D	1.3.6.1.4.1.9.1.2099	
ASR 901S-2SFG-FA H	ASR 901S-2SFG-FAH	1.3.6.1.4.1.9.1.1822	
ASR 901S-3SFG-FA H	ASR 901S-2SFG-FAH	1.3.6.1.4.1.9.1.1821	
Cisco ASR903 Series Routers			
ciscoAsr903sysID	Cisco ASR903 sysID Router	1.3.6.1.4.1.9.1.1441	
Cisco ASR920 Series Routers			
ASR-920-12CZ-A	Cisco ASR 920-12CZ-A Router	.1.3.6.1.4.1.9.1.2157	Prime Network 4.3.1 DP 1907

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
ASR 920-12SZ-IM	Cisco ASR 920-12SZ-IM Router	.1.3.6.1.4.1.9.1.2157	Prime Network 4.3.1 DP 1907
ASR-920-24SZ-IM	Cisco ASR 920-24SZ-IM Router	.1.3.6.1.4.1.9.1.2100	Prime Network 4.3.1 DP 1907
ASR 920-24SZ-M	Cisco ASR 920-24SZ-M Router	.1.3.6.1.4.1.9.1.2102	Prime Network 4.3.1 DP 1907
ASR-920U-12SZ-IM	Cisco ASR 920-10SZ-PD Router	.1.3.6.1.4.1.9.1.2504	Prime Network 4.3.1 DP 1907
ASR-920-10SZ-PD	Cisco ASR 920-10SZ-PD Router	.1.3.6.1.4.1.9.1.2160	Prime Network 4.3.1 DP 1907
ASR-920-24TZ-M	Cisco ASR 920-24TZ-M Router	.1.3.6.1.4.1.9.1.2101	Prime Network 4.3.1 DP 1907
ASR-920-20SZ-M	Cisco ASR 920-20SZ-M Router	.1.3.6.1.4.1.9.1.2705	Prime Network 4.3.1 DP 1907
ASR-920-12SZ-D	Cisco ASR 920-12SZ-D Router	.1.3.6.1.4.1.9.1.2678	Prime Network 5.0 DP 1909
ASR-920-12SZ-A	Cisco ASR 920-12SZ-A Router	.1.3.6.1.4.1.9.1.2679	Prime Network 5.0 DP 1909
Cisco ASR 5000 Series Routers			
ciscoASR5000	Cisco ASR5000 Chassis	1.3.6.1.4.1.8164	
ciscoASR5500	Cisco ASR5500 Chassis	1.3.6.1.4.1.9.1.1457	
Cisco Cloud Services Router 1000v			
CSR 1000v	Cisco CSR 1000v	1.3.6.1.4.1.9.1.1537	
Cisco 4000 Series Integrated Service Routers			
Cisco Network Convergence System			
Cisco NCS 6008	Cisco NCS 8-Slot Single-Shelf System	1.3.6.1.4.1.9.1.1851	
Cisco NCS 540	Cisco NCS 540 Series Fixed Chassis	1.3.6.1.4.1.9.1.2430	
Cisco NCS 5501	Cisco NCS 5500	.1.3.6.1.4.1.9.1.2400	Prime Network 4.3.1 DP 1905
NCS-5501-SE	Cisco NCS5501-SE Router	.1.3.6.1.4.1.9.1.2350	Prime Network 4.3.1 DP 1907
NCS-55A1-36H-S	Cisco NCS55A136 - HS Router	.1.3.6.1.4.1.9.1.2429	Prime Network 4.3.1 DP 1907
NCS-55A1-36H-SE	Cisco NCS55A1-36H-SE Router	.1.3.6.1.4.1.9.1.2428	Prime Network 4.3.1 DP 1907
Cisco 800 Series Integrated Services Router			
CISCO887VA-M-K9	Cisco 887VA M Integrated Services Router	1.3.6.1.4.1.9.1.1271	

Table 2-8 Supported Cisco Routers in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
C887VAMG+7-K9	Cisco 887VAMG 3G Integrated Services Router	1.3.6.1.4.1.9.1.1393	
CISCO891-K9	Cisco 891 Integrated Services Router	1.3.6.1.4.1.9.1.857	
CISCO881-K9	Cisco 881 Integrated Services Router	1.3.6.1.4.1.9.1.837	
Cisco ISR 892	Cisco 892 Integrated Services Router	1.3.6.1.4.1.9.1.1249	
Cisco ISR 892	Cisco 892 Integrated Services Router	1.3.6.1.4.1.9.1.1620	

¹ASR9000v is CPT-50 device which is connected to ASR9K Host, it doesn't have a separate sysOid and it's modeled as a Chassis in PN.

²Cisco 1941 Router w/ 802.11 a/b/g/n FCC Compliant, 2 onboard GE, 2 EHWIC slots, 256MB CF default, 512MB DRAM default, IP Base

³Cisco 1941 Router w/ 802.11 a/b/g/n ETSI Compliant, 2 onboard GE, 2 EHWIC slots, 256MB CF default, 512MB DRAM default, IP Base

⁴Cisco 1941 Router w/ 802.11 a/b/g/n Aus and NZ Compliant, 2 onboard GE, 2 EHWIC slots, 256MB CF default, 512MB DRAM default, IP Base

⁵Cisco 1941 Router w/ 802.11 a/b/g/n Japan Compliant, 2 onboard GE, 2 EHWIC slots, 256MB CF default, 512MB DRAM default, IP Base

⁶Cisco 1941 Router w/ 802.11 a/b/g/n China Compliant, 2 onboard GE, 2 EHWIC slots, 256MB CF default, 512MB DRAM default, IP Base

⁷Cisco 1941 with 2 onboard GE, 2 EHWIC slots, 1 ISM slot, 256MB CF default, 512MB DRAM default, IP Base

⁸Cisco 3945 with 3 onboard GE, C3900-SPE150/K9, 4 EHWIC slots, 4 DSP slots, 1 ISM slot, 4 SM slots, 256MB CF default, 1 GB DRAM default, IP Base

⁹Cisco 3925 with 3 onboard GE, C3900-SPE100/K9, 4 EHWIC slots, 4 DSP slots, 1 ISM slot, 2 SM slots, 256MB CF default, 1 GB DRAM default, IP Base

Support Information for Cisco Switches

This document includes support information for the following Cisco switches:

- [Cisco Catalyst 1900 Series Switches](#)
- [Cisco Catalyst 2900 Series Switches](#)
- [Cisco ME 3400 Series Ethernet Access Switches](#)
- [Cisco 2500 Series Connected Grid Switch](#)
- [Cisco Catalyst 3500 XL Series Switches](#)
- [Cisco Catalyst 3550 Series Switches](#)
- [Cisco Catalyst 3560 Series Switches](#)
- [Cisco Catalyst 3750 Series Switches](#)
- [Cisco Catalyst 3750 Metro Series Switches](#)

- Cisco Catalyst 4000 Series Switches
- Cisco Catalyst 4500 Series Switches
- Cisco Catalyst 4900 Series Switches
- Cisco ME 4900 Series Ethernet Switch
- Cisco Catalyst 5000 Series Switches
- Cisco Catalyst 6500 Series (CatOS) Switches
- Cisco Catalyst 6500 Series (IOS) Switches
- Cisco ME 6500 Series Ethernet Switches (6524)
- Cisco ME 3600X Ethernet Access Switch
- Cisco ME 3800X Carrier Ethernet Switches
- Cisco Nexus 7000 Series Switches
- Cisco Nexus 5000 Series Switches
- Cisco Nexus 1000 Series Switches
- Cisco Nexus 3000 Series Switches
- Cisco ACE 4700 Series Access Control Engine
- Cisco Service Control Engines
- Cisco ME1200 Series Carrier Ethernet Switches
- Cisco Nexus 6000 Series Switches
- Cisco Catalyst 3850 Series Switches

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco Catalyst 1900 Series Switches			
wsc1900LiteFxsysID	catalyst1900	1.3.6.1.4.1.9.5.175	
wsc1900sysID	catalyst1900	1.3.6.1.4.1.9.5.18	
wsc1900csysID	catalyst1912C	1.3.6.1.4.1.9.5.28	
wsc1900isisID	catalyst1900	1.3.6.1.4.1.9.5.31	
catalyst1912C	catalyst1912C	1.3.6.1.4.1.9.1.175	
Cisco Catalyst 2900 Series Switches			
wsc2948gsysID	Cisco Catalyst WS-C2948 Switch	1.3.6.1.4.1.9.5.42	
wsc2900sysID	Cisco Catalyst WS-C2900 Switch	1.3.6.1.4.1.9.5.12	
catalyst296024TT	Cisco Catalyst 2960-24TT Switch	1.3.6.1.4.1.9.1.716	
catalyst2950t24	Cisco Catalyst 2950T 24 Switch	1.3.6.1.4.1.9.1.359	
catalyst295048T	Cisco Catalyst 2950T 48 SI Switch	1.3.6.1.4.1.9.1.559	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
catalyst295048G	Cisco Catalyst 2950G 48 EI Switch	1.3.6.1.4.1.9.1.429	
catalyst295024S	Cisco Catalyst 2950 24S Switch	1.3.6.1.4.1.9.1.430	
catalyst295024GDC	Cisco Catalyst 2950G 24 EI DC Switch	1.3.6.1.4.1.9.1.472	
catalyst295024G	Cisco Catalyst 2950G 24 EI Switch	1.3.6.1.4.1.9.1.428	
catalyst295024C	Cisco Catalyst 2950C 24 Switch	1.3.6.1.4.1.9.1.325	
catalyst295024	Cisco Catalyst 2950 24 Switch	1.3.6.1.4.1.9.1.324	
catalyst295012G	Cisco Catalyst 2950G 12 EI Switch	1.3.6.1.4.1.9.1.427	
catalyst295012	Cisco Catalyst 2950 12 Switch	1.3.6.1.4.1.9.1.323	
catalyst2924XLv	Cisco Catalyst 2924 XL Switch	1.3.6.1.4.1.9.1.217	
catalyst2924XL	Cisco Catalyst 2924 XL Switch	1.3.6.1.4.1.9.1.183	
catalyst2924MXL	Cisco Catalyst 2924M XL Switch	1.3.6.1.4.1.9.1.220	
catalyst2924CXLv	Cisco Catalyst 2924C XL Switch	1.3.6.1.4.1.9.1.218	
catalyst2924CXL	Cisco Catalyst 2924C XL Switch	1.3.6.1.4.1.9.1.184	
catalyst2916m-xl	Cisco Catalyst 2916M XL Switch	1.3.6.1.4.1.9.1.171	
catalyst2912XL	Cisco Catalyst 2912 XL Switch	1.3.6.1.4.1.9.1.219	
catalyst2912MfXL	Cisco Catalyst 2912MF XL Switch	1.3.6.1.4.1.9.1.221	
catalyst2908xl	Cisco Catalyst 2908 XL Switch	1.3.6.1.4.1.9.1.170	
cat2948gL3Dc	Cisco Catalyst C2948G-L3 Ethernet Switch	1.3.6.1.4.1.9.1.386	
cat2948gL3	Cisco Catalyst C2948G-L3 Ethernet Switch	1.3.6.1.4.1.9.1.275	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
c2960-24TC-L	Cisco Catalyst 2960-24TC Switch	1.3.6.1.4.1.9.1.694	
catalyst296048	Cisco Catalyst 2960-48TC Switch	1.3.6.1.4.1.9.1.695	
c2960S-48TS-L	Cisco Catalyst 2960S-48TS-L	1.3.6.1.4.1.9.1.1266	
c2960S-24TS-L	Cisco Catalyst 2960S-24TS-L	1.3.6.1.4.1.9.1.1267	
Cisco ME 3400 Series Ethernet Access Switches			
3400-24TS	Cisco Me 3400 Switch-24 10/100 + 2 SFP DC PS	1.3.6.1.4.1.9.1.736	1
3400-24TS AC	Cisco Me 3400 Software 24PT-10/100 Plus 2PT SFP AC PS	1.3.6.1.4.1.9.1.736	2
3400-24TS DC	Cisco Me 3400 Software 24PT-10/100 Plus 2PT SFP DC PS	1.3.6.1.4.1.9.1.736	3
cisco340024TSA	Cisco ME 3400-24TS-A Switch	1.3.6.1.4.1.9.1.736	
cisco340024TSD	Cisco ME 3400-24TS-D Switch	1.3.6.1.4.1.9.1.737	
3400G-12CS	Cisco ME 3400G-12CS Ethernet Access Switch	1.3.6.1.4.1.9.1.780	4
ciscoMe3400g12CsA	Cisco ME 3400G-12CS AC Ethernet Access Switch	1.3.6.1.4.1.9.1.780	
ciscoMe3400g12CsD	Cisco ME 3400G-12CS DC Ethernet Access Switch	1.3.6.1.4.1.9.1.781	
3400G-2CS	Cisco ME 3400-2CS Ethernet Access Switch	1.3.6.1.4.1.9.1.825	5
ciscoMe3400g2csA	Cisco ME 3400-2CS AC Ethernet Access Switch	1.3.6.1.4.1.9.1.825	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
ciscoMe3400eg2csA	Cisco ME 3400EG-2CS Ethernet Access Switch	1.3.6.1.4.1.9.1.1007	
ciscoMe3400eg12Csm	Cisco ME 3400EG-12CS-M Ethernet Access Switch chassis	1.3.6.1.4.1.9.1.1008	
ciscoMe3400e24Tsm	Cisco ME 3400E-24TS-M Ethernet Access Switch chassis	1.3.6.1.4.1.9.1.1009	
Cisco 2500 Series Connected Grid Switch			
cgs252016s8pc	Cisco CGS 2520 Switch	1.3.6.1.4.1.9.1.1246	6
cgs252024tc	Cisco CGS 2520 Switch	1.3.6.1.4.1.9.1.1245	7
Cisco Catalyst 3500 XL Series Switches			
cat3524tXLEn	Cisco Catalyst 3524 PWR XL Switch	1.3.6.1.4.1.9.1.287	
cat3548XL	Cisco Catalyst 3548 XL Switch	1.3.6.1.4.1.9.1.278	
catalyst3508GXL	Cisco Catalyst 3508G XL Switch	1.3.6.1.4.1.9.1.246	
catalyst3512XL	Cisco Catalyst 3512 XL Switch	1.3.6.1.4.1.9.1.247	
catalyst3524XL	Cisco Catalyst 3524 XL Switch	1.3.6.1.4.1.9.1.248	
catalystC3524PWRXLEn	catalystC3524PWR XLEn	1.3.6.1.4.1.9.1.515	
Cisco Catalyst 3550 Series Switches			
catalyst355024	Cisco Catalyst 3550 24 Switch	1.3.6.1.4.1.9.1.366	
catalyst355048	Cisco Catalyst 3550 48 Switch	1.3.6.1.4.1.9.1.367	
catalyst355012T	Cisco Catalyst 3550 12T Switch	1.3.6.1.4.1.9.1.368	
catalyst355012G	Cisco Catalyst 3550 12G Switch	1.3.6.1.4.1.9.1.431	
cat355024Dc	Cisco Catalyst 3550 24 DC SMI Switch	1.3.6.1.4.1.9.1.452	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
cat355024Mmf	Cisco Catalyst 3550 24 FX SMI Switch	1.3.6.1.4.1.9.1.453	
catalyst355024PWR	Cisco Catalyst 3550 24 PWR Switch	1.3.6.1.4.1.9.1.485	
Cisco Catalyst 3560 Series Switches			
catalyst356024PS	Cisco Catalyst 3560-24PS Switch	1.3.6.1.4.1.9.1.563	
catalyst356048PS	Cisco Catalyst 3560-48PS Switch	1.3.6.1.4.1.9.1.564	
catalyst3560G24PS	Cisco Catalyst 3560G-24PS Switch	1.3.6.1.4.1.9.1.614	
catalyst3560G24TS	Cisco Catalyst 3560G-24TS Switch	1.3.6.1.4.1.9.1.615	
catalyst3560G48PS	Cisco Catalyst 3560G-48PS Switch	1.3.6.1.4.1.9.1.616	
catalyst3560G48TS	Cisco Catalyst 3560G-48TS Switch	1.3.6.1.4.1.9.1.617	
catalyst356024TS	Cisco Catalyst 3560-24TS Switch	1.3.6.1.4.1.9.1.633	
catalyst3560X	Cisco Catalyst 3560X-48P-E	1.3.6.1.4.1.9.1.1227	
catalyst3560X	Cisco Catalyst WS-C3560X-24T-S Switch	1.3.6.1.4.1.9.12.3.1.3.9 49	
Cisco Catalyst 3750 Series Switches			
catalyst37xxStack	Catalyst 3750-48/-24/-24T/-2 4TS/-24FS/Stack	1.3.6.1.4.1.9.1.516	
catalyst375024	Cisco Catalyst 3750-24	1.3.6.1.4.1.9.1.511	
catalyst375024PS	Cisco Catalyst 3750-24PS	1.3.6.1.4.1.9.1.536	
catalyst375024T	Cisco Catalyst 3750-24T	1.3.6.1.4.1.9.1.514	
catalyst375024TS	Cisco Catalyst 3750 - 24TS	1.3.6.1.4.1.9.1.513	
catalyst375048	Cisco Catalyst 3750-48	1.3.6.1.4.1.9.1.512	
catalyst375048PS	Cisco Catalyst 3750-48PS	1.3.6.1.4.1.9.1.535	
catalyst3750G16TD	Cisco Catalyst 3750G-16TD	1.3.6.1.4.1.9.1.591	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
catalyst3750G24PS	Cisco Catalyst 3750G-24PS	1.3.6.1.4.1.9.1.602	
catalyst3750G24TS1U	Cisco Catalyst 3750G-24TS-1U	1.3.6.1.4.1.9.1.624	
catalyst3750G48PS	Cisco Catalyst 3750G-48PS	1.3.6.1.4.1.9.1.603	
catalyst3750G48TS	Cisco Catalyst 3750G-48TS	1.3.6.1.4.1.9.1.604	
catalyst3750Ge12Sfp	Cisco Catalyst 3750G-12Sfp	1.3.6.1.4.1.9.1.530	
catalyst3750Ge12SfpDc	Cisco catalyst 3750G-12S-SD	1.3.6.1.4.1.9.1.688	
catalyst3750G24WS50	Cisco Catalyst 3750G-24WS-50	1.3.6.1.4.1.9.1.779	
catalyst3750E48TD	Cisco Catalyst 3750E-48TD	1.3.6.1.4.1.9.1.790	
catalyst3750E24PD	Cisco Catalyst 3750E-24PD	1.3.6.1.4.1.9.1.792	
catalyst3750E24TD	Cisco Catalyst 3750E-24TD	1.3.6.1.4.1.9.1.789	
catalyst3750E48PD	Cisco Catalyst 3750E-48PD	1.3.6.1.4.1.9.1.791	
catalyst3750G24WS25	Cisco Catalyst 3750G-24WS-25	1.3.6.1.4.1.9.1.778	
catalyst3750X	Cisco Catalyst 3750X-48P-E	1.3.6.1.4.1.9.1.1405	
Cisco Catalyst 3750 Metro Series Switches			
catalyst375024ME	Cisco Catalyst 3750 Metro 24-DC Switch	1.3.6.1.4.1.9.1.574	
Cisco Catalyst 4000 Series Switches			
wsc4003sysID	Cisco Catalyst 4003 Switch	1.3.6.1.4.1.9.5.40	
wsc4006sysID	Cisco Catalyst 4006 Switch	1.3.6.1.4.1.9.5.46	
catalyst4kGateway	Cisco Catalyst 4604 Access Gateway	1.3.6.1.4.1.9.1.318	
cat4232L3	Cisco Catalyst 4006 Switch	1.3.6.1.4.1.9.1.300	
cat4840gL3	Cisco Catalyst 4840G Switch	1.3.6.1.4.1.9.1.312	
cisco4000	Cisco Catalyst 4000 Switch	1.3.6.1.4.1.9.1.7	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Cisco Catalyst 4500 Series Switches			
cisco4500	Cisco Catalyst 4500 switch	1.3.6.1.4.1.9.1.14	
cat4506	Cisco Catalyst 4506 switch	1.3.6.1.4.1.9.1.502	
wsc4506sysID	Cisco Catalyst 4506 switch	1.3.6.1.4.1.9.5.59	
cat4507	Cisco Catalyst 4507 switch	1.3.6.1.4.1.9.1.501	
cat4503	Cisco Catalyst 4503 switch	1.3.6.1.4.1.9.1.503	
wsc4503sysID	Cisco Catalyst 4503 Switch	1.3.6.1.4.1.9.5.58	
WS-C4503-E	Cisco Catalyst 4503E Switch	1.3.6.1.4.1.9.1.874	
WS-C4507R-E	Cisco Catalyst 4507R-E Switch	1.3.6.1.4.1.9.1.876	
WS-C4506-E	Cisco Catalyst 4506-E Switch	1.3.6.1.4.1.9.1.875	
WS-C4510R	Cisco Catalyst 4510R Switch	1.3.6.1.4.1.9.1.537	
WS-C4510R-E	Cisco Catalyst 4510R-E Switch	1.3.6.1.4.1.9.1.877	
WS-C4507R+E	Cisco Catalyst 4507R+E Switch	1.3.6.1.4.1.9.1.1286	
WS-C4510R+E	Cisco Catalyst 4510R+E Switch	1.3.6.1.4.1.9.1.1287	
Cisco Catalyst 4900 Series Switches			
catalyst4948	Cisco Catalyst 4948 Switch	1.3.6.1.4.1.9.1.626	
catalyst494810GE	Cisco Catalyst 4948 10 Gigabit Ethernet Switch	1.3.6.1.4.1.9.1.659	
WS-C4900M	Base System with 8-port (X2) and 2 Half Slots	1.3.6.1.4.1.9.1.917	
WS-C4948E	Cisco Catalyst 4948E Switch	1.3.6.1.4.1.9.1.1178†	
WS-C4948E-F	Cisco Catalyst 4948E-F Switch	1.3.6.1.4.1.9.1.1327	
Cisco ME 4900 Series Ethernet Switch			

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
ME-4924-10GE	Cisco ME 4924-10GE Ethernet Aggregation Switch	1.3.6.1.4.1.9.1.788	
Cisco Catalyst 5000 Series Switches			
cisco5002	Cisco Catalyst 5002 Switch	1.3.6.1.4.1.9.5.29	
cisco5000	Cisco Catalyst 5000 Switch	1.3.6.1.4.1.9.5.7	
catalyst5500	Cisco Catalyst 5500 Switch	1.3.6.1.4.1.9.5.17	
catalyst5505	Cisco Catalyst 5505 Switch	1.3.6.1.4.1.9.5.34	
catalyst5509	Cisco Catalyst 5509 Switch	1.3.6.1.4.1.9.5.36	
Cisco Catalyst 6500 Series (CatOS) Switches			
wsc6009sysID	Catalyst 6009	1.3.6.1.4.1.9.5.39	
wsc6506sysID	Catalyst 6506	1.3.6.1.4.1.9.5.45	
wsc6509nebasysID	Catalyst 6509NEBA	1.3.6.1.4.1.9.5.61	
wsc6509nebsysID	Catalyst 6509-NEB	1.3.6.1.4.1.9.5.47	
wsc6513sysID	Catalyst 6513	1.3.6.1.4.1.9.5.50	
wsc6509sysID	Catalyst 6509	1.3.6.1.4.1.9.5.44	
wsc6509esysID	Catalyst 6509-E	1.3.6.1.4.1.9.5.44	
wsc6504esysID	Catalyst 6504-E	1.3.6.1.4.1.9.5.64	
wsc6503sysID	Catalyst 6503	1.3.6.1.4.1.9.5.56	
cat6500FirewallSm	Catalyst 6500 Firewall Services Module	1.3.6.1.4.1.9.1.522	
cat6500SslSm	Catalyst 6500 SSL Services Module	1.3.6.1.4.1.9.1.554	
Cisco Catalyst 6500 Series (IOS) Switches			
WS-C6509-NEB-A	Cisco Catalyst 6509-NEB-A Switch	1.3.6.1.4.1.9.1.534	
WS-C6509-NEB	Cisco Catalyst 6509-NEB Switch	1.3.6.1.4.1.9.1.310	
WS-C6503	Cisco Catalyst 6503 Switch	1.3.6.1.4.1.9.1.449	
WS-C6506	Cisco Catalyst 6506 Switch	1.3.6.1.4.1.9.1.282	
WS-C6509	Cisco Catalyst 6509 Switch	1.3.6.1.4.1.9.1.283	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
WS-C6504-E	Cisco Catalyst 6504-E Switch Chassis	1.3.6.1.4.1.9.1.657	
WS-C6513	Cisco Catalyst 6513 Switch	1.3.6.1.4.1.9.1.400	
cisco6500VSS	Cisco Catalyst 6500 VSS	1.3.6.1.4.1.9.1.896	
WS-C6509VE	Cisco Catalyst 6509-V-E chassis	1.3.6.1.4.1.9.1.832	
Cisco Catalyst 6800 Series (IOS) Switches			
C6807-XL	C6807-XL	1.3.6.1.4.1.9.1.2242	DP 1707
Cisco ME 6500 Series Ethernet Switches (6524)			
cisco6524 (ME-C6524GS-8S)	Cisco ME 6524	1.3.6.1.4.1.9.1.719	
cisco6524 (ME-C6524GT-8S)	Cisco ME 6524	1.3.6.1.4.1.9.1.720	
Cisco ME 3600X Ethernet Access Switch			
ciscoME3600x24FSM	Cisco ME-3600X-24FSM	1.3.6.1.4.1.9.1.1250	
ciscoME3600x24TSM	Cisco ME-3600X-24TSM	1.3.6.1.4.1.9.1.1251	
ciscoME3600x24CXM	Cisco ME-3600X-24CXM	1.3.6.1.4.1.9.1.1616	
Cisco ME 3800X Carrier Ethernet Switches			
ciscoME3800X24FSM	Cisco ME-3800X-24FSM	1.3.6.1.4.1.9.1.1252	
Cisco Nexus 7000 Series Switches			
N7K-C7010	Cisco Nexus 7000 Series 10 Slot Chassis	1.3.6.1.4.1.9.12.3.1.3.6 12	
N7K-C7018	Cisco Nexus 7000 Series 18 Slot Chassis	1.3.6.1.4.1.9.12.3.1.3.7 77	
N7k-C7009	Cisco Nexus 7000 Series 09 Slot Chassis	1.3.6.1.4.1.9.12.3.1.3.9 32	
N77-C7706	Cisco Nexus 7706 Series 06 Slot Chassis	1.3.6.1.4.1.9.12.3.1.3.1 354	
N77-C7710	Cisco Nexus 7710 Series 10 Slot Chassis	1.3.6.1.4.1.9.12.3.1.3.1 353	

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Nexus 7004	Nexus 7004	1.3.6.1.4.1.9.12.3.1.3.1147	DP 1809
Cisco Nexus 5000 Series Switches			
N5K-C5020P-BF	Cisco Nexus 5000 2RU Chassis no PS, 5 Fan Modules, 40 ports (req SFP+)	1.3.6.1.4.1.9.12.3.1.3.719	
cevChassisN5kC5020pBd	Cisco Nexus 5020 Switch	1.3.6.1.4.1.9.12.3.1.3.720	
N5K-C5010P-BF	Cisco Nexus 5000 1RU Chassis no PS, 2 Fan Modules, 20 ports (req SFP+)	1.3.6.1.4.1.9.12.3.1.3.798	
N5K-C5548P-FA	Cisco Nexus 5548P Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1008	
N5K-C5548UP-FA	Cisco Nexus 5548UP Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1084	
N5K-C5596UP-FA†	Cisco Nexus 5596UP Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1038	
N5k-C5672UP	Cisco Nexus 5672UP Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1410	
N5624-B-24Q	Cisco Nexus 5624Q Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1619	
Cisco Nexus 1000 Series Switches			
Nexus 1000V	Nexus 1000 Virtual Network Switch	1.3.6.1.4.1.9.12.3.1.3.840	
Nexus 1K-C1010	Nexus 1010 Virtual Service Appliances	1.3.6.1.4.1.9.12.3.1.3.907	
Nexus1110-X	Nexus 1110-x	1.3.6.1.4.1.9.12.3.1.3.1291	
Cisco Nexus 3000 Series Switches			
N3K-C3048TP-1GE	Cisco Nexus C3048TP Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1106	
N3K-C3064PQ-10GX	Cisco Nexus C3064PQ Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1163	
Nexus 31108 HW-31108PC-V	Cisco Nexus C31108PC Switch	1.3.6.1.4.1.9.12.3.1.3.1758	Prime Network 4.3-DP1707
Cisco ACE 4700 Series Access Control Engine			

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
ciscoACE4710	Cisco ACE 4710 Switch	1.3.6.1.4.1.9.1.824	
Cisco Service Control Engines			
sce2000	Cisco SCE 2000 Series Service Control Engine	1.3.6.1.4.1.5655.1.3	
Cisco ME1200 Series Carrier Ethernet Switches			
ME 1200-4S-D	Cisco ME 1200-4S-D Ethernet Access Device with 4 GE SFP ports and 2 RJ45 ports, DC power supply	1.3.6.1.4.1.9.1.1899	
ME 1200-4S-A	Cisco ME 1200-4S-A Ethernet Access Device with 4 GE SFP ports and 2 RJ45 ports, AC power supply	1.3.6.1.4.1.9.1.1899	
Cisco Nexus 6000 Series Switches			
N6K-C6001-64P	Cisco Nexus 6001 Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1 308	
N6K-C6004-96Q	Cisco Nexus 6004 Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1 237	
Cisco Catalyst 3850 Series Switches			
cat385024P	Cisco Catalyst 3850-24P-E Switch	1.3.6.1.4.1.9.1.1642	
cat385048	Cisco Catalyst 3850-48P-S Switch	1.3.6.1.4.1.9.1.1745	
cat385024	Cisco Catalyst 3850-24T-S Switch	1.3.6.1.4.1.9.1.1644	
cat38xxstack	Cisco Catalyst 38xx Stack	1.3.6.1.4.1.9.1.1643	
cat385048f	Cisco Catalyst 3850-84F-S Switch	1.3.6.1.4.1.9.1.1641	
Cisco Industrial Ethernet 2K			
IE-2000-16PTC-G-NX	IE-2000-16PTC-G-NX	1.3.6.1.4.1.9.1.1731	Prime Network 4.3.1 DP 1905
IE-2000-16TC-G-X	IE-2000-16TC-G-X	1.3.6.1.4.1.9.1.1520	Prime Network 4.3.1 DP 1905
Cisco Industrial Ethernet 4K			

Table 2-9 Supported Cisco Switches in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
IE-4000-4GS8GP4G-E	Cisco IE 40xx	.1.3.6.1.4.1.9.1.2079	Prime Network 4.3.1 DP 1905
IE-4000-8GT8GP4G-E	Cisco IE 40xx	.1.3.6.1.4.1.9.1.2080	Prime Network 4.3.1 DP 1905
IE-4000-16GT4G-E	Cisco IE-4000-16GT4G-E Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2078	Prime Network 4.3.1 DP 1907
IE-4000-16T4G-E	Cisco IE-4000-16T4G-E Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2073	Prime Network 4.3.1 DP 1907
IE-4000-4S8P4G-E	Cisco IE-4000-4S8P4G-E Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2074	Prime Network 4.3.1 DP 1907
IE-4000-4TC4G-E	Cisco IE-4000-4TC4G-E Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2069	Prime Network 4.3.1 DP 1907
IE-4000-8GT4G-E	Cisco IE 4000 8GT4GE Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2075	Prime Network 4.3.1 DP 1907
IE-4000-8S4G-E	Cisco IE 4000 8S4GE Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2071	Prime Network 4.3.1 DP 1907
IE-4000-8T4G-E	Cisco IE 4000 8T4GE Industrial Ethernet Switch	.1.3.6.1.4.1.9.1.2070	Prime Network 4.3.1 DP 1907

^{1, 2, 3}Same as cisco340024TSA. Differs based on chassis/power supply.

⁴Same as ciscoMe3400g12CsA. Differs based on chassis/power supply.

⁵Same as ciscoMe3400g2csA. Differs based on chassis/power supply.

⁶Rugged Ethernet switch with 16 Fast Ethernet (FE) SFP ports, eight 10/100BaseTX/PoE ports, and two dual-purpose Gigabit Ethernet uplinks

⁷Rugged Ethernet switch with 24 10/100BaseTX ports and two dual-purpose Gigabit Ethernet uplinks

Support Information for Generic Devices

This document includes support information for the following Generic devices:

- [Generic SNMP VNE](#)
- [Generic ESXi Server](#)

Table 2-10 Supported Generic Devices in Cisco Prime Network Version 5.3

NE Type	Product Name	SysOID	Product Version
Generic SNMP VNE			
Generic device		1.3.999.3	3.6.0
Generic ESXi Server			
Generic VMware ESXi Server	Server	1.3.6.1.4.1.6876.4.1	

Supported Devices Not Included in This Guide

The following devices are supported by this version of Cisco Prime Network, but are not covered in this Guide:

- Cisco 7300 Series Routers
- Cisco AS5800 Series Universal Gateway
- Cisco Catalyst 1900 Series Switches
- Cisco SCE Service Control Engine
- ADC BA40 DSLAM
- Alcatel ASAM
- ECI Hi-Focus DSLAM
- Lucent AnyMedia
- Lucent PacketStar PSAX
- Lucent Stinger MS+ DSL Access Concentrator
- Lucent Stinger MRT DSL Access Concentrator
- Lucent MAX TNT WAN access switch
- UTStarComm AN2000 IP-DSLAM



Note

For more information about support for these devices, contact your Cisco Project Manager or Cisco Account Team.

■ Supported Devices Not Included in This Guide



Support Information for Cisco Universal Broadband Routers

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 3.8 Reference Guide](#).

This chapter contains the following topics:

- [Cisco Universal Broadband Router 7200 Series, page 3-1](#)
- [Cisco Universal Broadband Router 10000 Series, page 3-5](#)
- [Supported Technologies on Cisco CMTS, page 3-11](#)

Cisco Universal Broadband Router 7200 Series

This section includes the following information about Cisco UBR7200 Series cmts (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Universal Broadband Router 7200 Series](#)):

This section contains the following topics:

- [Cisco UBR7200 Series—Supported Software Versions, page 3-1](#)
- [Cisco UBR7200 Series—Supported Topologies, page 3-2](#)
- [Cisco UBR7200 Series—Supported Modules, page 3-2](#)
- [Cisco UBR7200 Series—Supported Technologies, page 3-3](#)
- [Cisco UBR7200 Series—Supported Service Events, page 3-3](#)

Cisco UBR7200 Series—Supported Software Versions

Table 3-1 Supported Software Versions for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.3(21a)BC6	3.7.1
IOS 12.3(23)BC10	4.0

Table 3-1 Supported Software Versions for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.2(33)SCG1	4.0

Cisco UBR7200 Series—Supported Topologies

Table 3-2 Supported Topologies for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.7.1
BGP	BGP	3.7.1
Ethernet	Ethernet	3.7.1
Framerelay	Framerelay	3.7.1
MPLS	MPLS	3.7.1
Physical Layer	Physical Layer	3.7.1
PPP/HDLC	PPP or HDLC	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco UBR7200 Series—Supported Modules

Table 3-3 Supported Modules for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
UBR7200-NPE-G1	3.7.1	Cisco uBR7200 Network Processing Engine including three GE/FE/E ports, 256 MB default DRAM, and 64 MB default flash memory
UBR-MC28X	3.7.1	uBR7200 Modem Card, 2 DS, 8 US, ATDMA, Adv PHY, CPU, no Upx
UBR-MC28U	3.7.1	uBR7200 Modem Card, 2 DS w/Upx, 8 US, ATDMA, Adv PHY, CPU
WS-G5484	3.7.1	Gigabit Ethernet GBIC, SC connector SX transceiver
WS-G5486	3.7.1	Gigabit Ethernet GBIC, SC connector LX/LH transceiver
WS-G5487	3.7.1	Gigabit Ethernet GBIC, SC connector ZX transceiver
UBR7200-NPE-G2	4.0	Cisco 7200 Series Network Processing Engine NPE-G2
PWR-UBR7200-AC	4.0	Cisco UBR7246 AC Power Supply
PWR-UBR7200-DC	4.0	Cisco UBR7246 DC Power Supply

Table 3-3 Supported Modules for Cisco UBR7200 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
UBR-MC8X8V	4.0	uBR-MC88V DOCSIS 3.0 Broadband Processing Engine
GLC-SX-MMD	4.0	1000BASE-SX short wavelength; with DOM
GLC-LH-SMD	4.0	1000BASE-LX/LH long-wavelength; with DOM
SFP-GE-L	4.0	1000BASE-LX/LH long-wavelength; with DOM
SFP-GE-Z	4.0	1000BASE-ZX extended distance; with DOM
SFP-GE-S	4.0	1000BASE-SX short wavelength; with DOM

Cisco UBR7200 Series—Supported Technologies

The following technologies are supported by the Cisco UBR7200 Series in Cisco Prime Network Version 5.3:

- [IP, page 3-12](#)
- [Routing Protocols, page 3-15](#)
- [Ethernet, page 3-17](#)
- [ATM, page 3-24](#)
- [Frame Relay, page 3-27](#)
- [PPP, page 3-28](#)
- [HDLC, page 3-29](#)
- [MPLS, page 3-30](#)
- [VPN \(VRF\), page 3-32](#)
- [Security, page 3-33](#)
- [Hardware, page 3-34](#)
- [Port, page 3-41](#)
- [CDP, page 3-43](#)

Cisco UBR7200 Series—Supported Service Events

Table 3-4 Supported Service Events for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Active IP Interfaces Found	3.7.1	Y
All IP Interfaces Down	3.7.1	Y
BGP process up	3.7.1	N

Table 3-4 Supported Service Events for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Card Down	3.7.1	Y
Card In	3.7.1	Y
Card Out	3.7.1	Y
Card Up	3.7.1	Y
CPU utilization exceeded upper threshold	3.7.1	N
Device Unsupported	3.7.1	N
DS0 Bundle Admin down	3.7.1	N
DS0 Bundle Oper down	3.7.1	N
DS0 Bundle Up	3.7.1	N
DS1 Path down due to Admin	3.7.1	N
DS1 Path down due to Card	3.7.1	N
DS1 Path down due to Oper	3.7.1	N
DS1 Path link down due to Admin down	3.7.1	N
DS1 Path link down due to Oper down	3.7.1	N
DS1 Path link Up	3.7.1	N
Fan-tray down	3.8	N
Fan-tray out	3.8	N
Keepalive configured	3.7.1	N
Keepalive not configured	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link up	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	N
MLPPP Administratively down	3.7.1	N
MLPPP Operationaly down	3.7.1	N
MLPPP Up	3.7.1	N
Module Unsupported	3.7.1	N
MPLS Black Hole found	3.7.1	N
Pluggable transceiver out	3.8	N
Power-supply down	3.8	N
SONET Path down due to Admin	3.7.1	N
SONET Path down due to Card	3.7.1	N

Table 3-4 Supported Service Events for Cisco UBR7200 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Sonet Path link down due to Admin	3.7.1	N
Sonet Path link Up	3.7.1	N

Cisco Universal Broadband Router 10000 Series

This section includes the following information about Cisco UBR10000 Series cmts (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Universal Broadband Router 10000 Series](#)):

This section contains the following topics:

- [Cisco UBR10000 Series—Supported Software Versions, page 3-5](#)
- [Cisco UBR10000 Series—Supported Topologies, page 3-6](#)
- [Cisco UBR10000 Series—Supported Modules, page 3-6](#)
- [Cisco UBR10000 Series—Supported Technologies, page 3-9](#)
- [Cisco UBR10000 Series—Supported Service Events, page 3-9](#)

Cisco UBR10000 Series—Supported Software Versions

Table 3-5 Supported Software Versions for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.2(33)SCB2	3.7.1
IOS 12.2(33)SCB3	3.7.1
IOS 12.2(33)SCB6	3.7.1
IOS 12.2(33)SCG1	4.0
IOS 12.3(23)BC10	4.0

Cisco UBR10000 Series—Supported Topologies

Table 3-6 Supported Topologies for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version Product Version
MPLS	MPLS	3.7.1
Physical Layer	Physical Layer	3.7.1
PPP/HDLC	PPP or HDLC	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco UBR10000 Series—Supported Modules

Table 3-7 Supported Modules for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
10000-SIP-600	3.7.1	Cisco 10000 SPA Interface Processor-600
ESR-PRE4	3.7.1	Performance Routing Engine 4
SFP-GE-T	3.7.1	1000BASE-T SFP transceiver module for Category 5 copper wire, extended operating temperature range, RJ-45 connector
SPA-1X10GE-L-V2	3.7.1	Cisco 1-Port 10GE LAN-PHY Shared Port Adapter
SPA-24XDS-SFP	3.7.1	24-port uBR10012 Wideband Downstream Shared Port Adapter
UBR10-2XDS-SIP	3.7.1	Cisco uBR10012 Wideband Downstream-only SPA Carrier Card
UBR10-5X20S-D	3.7.1	uBR10012 BPE, 5 DS w/upx, 20 US, Spec Analyzer, dense connector
UBR10-MC5X20H-D	3.7.1	uBR10K Universal Card, 5DS w/upx, 20US, Spec An, Dense
UBR10-PWR-AC	3.7.1	Cisco uBR 1000 series AC power supply
UBR10-PWR-DC	3.7.1	Cisco uBR 1000 series DC power supply
XFP-10GER-OC192IR††††	3.7.1	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10GLR-OC192SR	3.7.1	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 short-reach (SR-1) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector

Table 3-7 Supported Modules for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
XFP-10GZR-OC192LR	3.7.1	Cisco multirate XFP transceiver module for 10GBASE-ZR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
UBR10-DTCC	4.0	DOCSIS Timing, Communication, and Control Card + DTI Client
UBR10-PWR-AC-PLUS	4.0	AC Power Supply, 3300W maximum power consumption
UBR10-PWR-DC-PLUS	4.0	DC Power Supply, 3300W maximum power consumption
UBR10-FAN-ASSY	4.0	Fan Assembly for the UBR10012
UBR10012-FAN-PLUS	4.0	Enhanced Fan Assembly for UBR10012 CMTS Chassis
UBR-MC3GX60V	4.0	Cisco 3GX60V DOCSIS 3.0 Broadband Processing Engine
UBR-MC20X20V	4.0	Cisco 20x20V DOCSIS 3.0 Broadband Processing Engine
GLC-SX-MM	4.0	1000BASE-SX short wavelength; without DOM
GLC-LH-SM	4.0	1000BASE-LX/LH long-wavelength/long haul; without DOM
GLC-ZX-SM	4.0	1000BASE-ZX extended distance
SFP-GE-Z	4.0	1000BASE-ZX extended distance; with DOM
SFP-GE-L	4.0	1000BASE-LX/LH long-wavelength; with DOM
XFP-10G-MM-SR	4.0	Cisco 10GBASE-SR XFP Module for MMF
DWDM-XFP-30.33	4.0	10GBASE-DWDM 1530.33 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.12	4.0	10GBASE-DWDM 1531.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.90	4.0	10GBASE-DWDM 1531.90 nm XFP (100-GHz ITU grid)
DWDM-XFP-32.68	4.0	10GBASE-DWDM 1532.68 nm XFP (100-GHz ITU grid)
DWDM-XFP-34.25	4.0	10GBASE-DWDM 1534.25 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.04	4.0	10GBASE-DWDM 1535.04 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.82	4.0	10GBASE-DWDM 1535.82 nm XFP (100-GHz ITU grid)
DWDM-XFP-36.61	4.0	10GBASE-DWDM 1536.61 nm XFP (100-GHz ITU grid)

Table 3-7 Supported Modules for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-XFP-38.19	4.0	10GBASE-DWDM 1538.19 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.98	4.0	10GBASE-DWDM 1538.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-39.77	4.0	10GBASE-DWDM 1539.77 nm XFP (100-GHz ITU grid)
DWDM-XFP-40.56	4.0	10GBASE-DWDM 1540.56 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.14	4.0	10GBASE-DWDM 1542.14 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.94	4.0	10GBASE-DWDM 1542.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-43.73	4.0	10GBASE-DWDM 1543.73 nm XFP (100-GHz ITU grid)
DWDM-XFP-44.53	4.0	10GBASE-DWDM 1544.53 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.12	4.0	10GBASE-DWDM 1546.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.92	4.0	10GBASE-DWDM 1546.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-47.72	4.0	10GBASE-DWDM 1547.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-48.51	4.0	10GBASE-DWDM 1548.51 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.12	4.0	10GBASE-DWDM 1550.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.92	4.0	10GBASE-DWDM 1550.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-51.72	4.0	10GBASE-DWDM 1551.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-52.52	4.0	10GBASE-DWDM 1552.52 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.13	4.0	10GBASE-DWDM 1554.13 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.94	4.0	10GBASE-DWDM 1554.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-55.75	4.0	10GBASE-DWDM 1555.75 nm XFP (100-GHz ITU grid)
DWDM-XFP-56.55	4.0	10GBASE-DWDM 1556.55 nm XFP (100-GHz ITU grid)

Table 3-7 Supported Modules for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-XFP-58.17	4.0	10GBASE-DWDM 1558.17 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.98	4.0	10GBASE-DWDM 1558.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-59.79	4.0	10GBASE-DWDM 1559.79 nm XFP (100-GHz ITU grid)
DWDM-XFP-60.61	4.0	10GBASE-DWDM 1560.61 nm XFP (100-GHz ITU grid)

Cisco UBR10000 Series—Supported Technologies

The following technologies are supported by the Cisco UBR10000 Series in Cisco Prime Network Version 5.3:

- [IP, page 3-12](#)
- [Routing Protocols, page 3-15](#)
- [Ethernet, page 3-17](#)
- [MPLS, page 3-30](#)
- [VPN \(VRF\), page 3-32](#)
- [Security, page 3-33](#)
- [Hardware, page 3-34](#)
- [Port, page 3-41](#)
- [CDP, page 3-43](#)
- [DTI, page 3-43](#)
- [NarrowbandChannel, page 3-44](#)
- [WidebandChannel, page 3-45](#)
- [FiberNode, page 3-45](#)
- [MACDomain, page 3-46](#)
- [CableDownstreamChannels, page 3-47](#)
- [CableUpstreamChannels, page 3-47](#)

Cisco UBR10000 Series—Supported Service Events

Table 3-8 Supported Service Events for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Active IP Interfaces Found	3.7.1	Y

Table 3-8 Supported Service Events for Cisco UBR10000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
BGP process up	3.7.1	N
Card Down	3.7.1	Y
Card In	3.7.1	Y
Card Out	3.7.1	Y
Card Up	3.7.1	Y
CPU utilization exceeded upper threshold	3.7.1	Y
CPU utilization less than lower threshold	3.7.1	Y
Device Unreachable	3.7.1	Y
Device Unsupported	3.7.1	Y
DS0 Bundle Admin down	3.7.1	N
DS0 Bundle Oper down	3.7.1	N
DS0 Bundle Up	3.7.1	N
DS1 Path down due to Admin	3.7.1	N
DS1 Path down due to Card	3.7.1	N
DS1 Path down due to Oper	3.7.1	N
DS1 Path link down due to Admin down	3.7.1	N
DS1 Path link down due to Oper down	3.7.1	N
DS1 Path link Up	3.7.1	N
Fan-tray down	3.8	Y
Fan-tray out	3.8	Y
Interface Status Down/Up		N
Keepalive configured	3.7.1	N
Keepalive not configured	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link Down		N
Link down due to admin down		N
Link down due to Card event		N
Link down due to oper down		N
Link up	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	Y
Memory utilization less than lower threshold	3.7.1	Y

Table 3-8 Supported Service Events for Cisco UBRI0000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
MLPPP Administratively down	3.7.1	N
MLPPP Operationally down	3.7.1	N
MLPPP Up	3.7.1	N
Module Unsupported	3.7.1	Y
MPLS Black Hole found	3.7.1	N
Pluggable transceiver out	3.8	Y
Port Down	4.0	Y
Port down due to admin	4.0	Y
Port down due to Card down	4.0	Y
Port down due to Card out	4.0	Y
Port down due to oper	4.0	Y
Power-supply down	3.8	N
Power-supply out	4.0	Y
SONET Path down due to Admin	3.7.1	N
SONET Path down due to Card	3.7.1	N
Sonet Path link down due to Admin down	3.7.1	N
Sonet Path link down due to Oper down	3.7.1	N
Sonet Path link Up	3.7.1	N

Supported Technologies on Cisco CMTS

The following sections list the objects and attributes that are supported on Cisco cmts in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 3-12](#)
- [Routing Protocols, page 3-15](#)
- [Ethernet, page 3-17](#)
- [ATM, page 3-24](#)
- [Frame Relay, page 3-27](#)
- [PPP, page 3-28](#)
- [HDLC, page 3-29](#)
- [MPLS, page 3-30](#)
- [VPN \(VRF\), page 3-32](#)
- [Security, page 3-33](#)

- [Hardware](#), page 3-34
- [Port](#), page 3-41
- [CDP](#), page 3-43
- [DTI](#), page 3-43
- [NarrowbandChannel](#), page 3-44
- [WidebandChannel](#), page 3-45
- [FiberNode](#), page 3-45
- [MACDomain](#), page 3-46
- [CableDownstreamChannels](#), page 3-47
- [CableUpstreamChannels](#), page 3-47

IP

Table 3-9 IP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IIPIInterface		
IP Address	Y	Y
Subnetwork Mask	Y	Y
IP Interface Addresses Array	Y	Y
Interface Name	Y	Y
Interface Description	Y	Y
IP Interface State	Y	Y
OSPF Interface Cost		
Broadcast Address		
MTU		
Lookup Method		
Address Resolution Type		
ARP Timeout		
Secured ARP		
ICMP Mask Reply		
IGMP Proxy		
HSRP Groups	Y	Y
IP Multiplexing Table		
IANA Type		
Containing CTPs		

Table 3-9 IP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Contained CTPs		
IMO Name—IIPMuxEntry		
Termination Point	Y	Y
Destination IP Subnet	Y	Y
IMO Name—IRoutingEntity		
Routing Table	Y	Y
ARP Entity	Y	Y
Routing Table Changes		
Name	Y	Y
Logical Sons	Y	Y
Multicast Routing Table		
IMO Name—IRoutingEntry		
Destination IP Subnet	Y	Y
Next Hop IP Address	Y	Y
Type	Y	Y
Routing Protocol Type	Y	Y
Outgoing Interface Name	Y	Y
IMO Name—IARPEntity		
ARP Table	Y	Y
IMO Name—IARPEntity		
IP Address	Y	Y
MAC Address	Y	Y
Port	Y	Y
Entry Type	Y	Y
IMO Name—IIPPool		
IP Address Pool Entries		
Name		
IMO Name—IIPPoolEntry		
Free Address		
Reserved Address		
Address In Use		
Group Name		
Pool Type		
Status		

Table 3-9 IP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Priority		
VRF Oid		
IMO Name—IIPRangeBasedIPPoolEntry		
Range Start		
Range End		
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—IIPSubnetBasedIPPoolEntry		
IP Subnet		
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—HSRPGroupEntry		
Group Number	Y	Y
Port Description	Y	Y
Priority	Y	Y
Coupled Router	Y	Y
State	Y	Y
Tracking Interfaces		
Virtual IP Address	Y	Y
Virtual MAC Address	Y	Y
IMO Name—ITunnelGRE		
Name		
Tunnel Destination and Source		
IP Address		
IP Interface State		
IANA Type		
Containing CTPs		
Contained CTPs		
Keep Alive Time		
Keep Alive Retry		
IMO Name—IVrrpGroupEntry		
Group Number		

Table 3-9 IP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
State		
Port Description		
Master IP Address		
Primary IP Address		
Priority		
Virtual Mac Address		
Preempt Mode		
Admin State		
Advertisement Interval		
Tracking Interfaces		
IMO Name—HPSLAResponderService		
responderStatus		
TWAMPResponderStatus		
tcpConnect		
udpEcho		
IMO Name—HIPAddressPortPair		
type		
ipAddress		
port		

Routing Protocols

Table 3-10 Routing Protocols Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IBgpNeighborEntry		
Remote Identifier	Y	Y
Neighbor Type		
Distributing Interfaces		
Remote Address	Y	Y
Remote Autonomous System	Y	Y
Peer State	Y	Y

Table 3-10 Routing Protocols Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
Peer AdminState		
Hold Time	Y	Y
Keep Alive Time	Y	Y
VrfName		
Address family	Y	
IMO Name—IospfEntry		
Area Identifier	Y	Y
IP Address	Y	Y
Type	Y	Y
Administrative Status	Y	Y
Ospf Entry State	Y	Y
IMO Name—IospfProcess		
Process Id		
OSPF Version		
Router Id		
IMO Name—IospfNeighbor		
Neighbor Id		
Outgoing Interface		
State		
Neighbor Interface Address		
Area Id		
IMO Name—IospfInterface		
Area Id		
Network Type		
Cost		
State		
Interface Address		
Type		
IF Proirity		
DR Id		
BDR Id		
IMO Name—Ispftimers		
Schedule Delay		
Min Hold Time		

Table 3-10 Routing Protocols Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
Max Wait Time		
IMO Name—IISISProcess		
ISIS Version		
Manual Area Address		
IS Type		
System Id		
Process Id		
IMO Name—IISISMetric		
IS Type		
Metric Style		
Metric Value		
Adress Family		
IMO Name—IISISInterface		
Interface Name		
IMO Name—IISISNeighbor		
IS Type		
System Id		
Admin State		
Hold Time		
SNPA		
Interface Name		
IP Address		
Adress Family		

Ethernet

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—ILinkAggregationGroup802dot3ad		
dot3adAggMACAddress		
dot3adAggActorSystemPriority		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
dot3adAggActorSystemID		
dot3adAggActorAdminKey		
dot3adAggActorOperKey		
dot3adAggPartnerSystemID		
dot3adAggPartnerSystemPriority		
dot3adAggPartnerOperKey		
dot3adAggCollectorMaxDelay		
GroupNumber		
AggregationProtocolType		
MacAddress		
ChannelAdminStatus		
ChannelOperStatus		
lagLoadBalancingType		
bandWidth		
LinkType		
IMO Name—IEthernet		
MAC Address	Y	
Duplex Mode		
Output Flow Control		
Input Flow Control		
IANA Type	Y	
Containing CTPs		
Contained CTPs		
Port Type		
isElmiEnabled		
isLOAMEnabled		
AutoNegotiate		
FCID (Soft Property)		
WWN (Soft Property)		
FlowControl		
IMO Name—IVlanInterface		
Mode		
Native VLAN Identification		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Virtual LAN Table		
IANA Type		
Containing CTPs		
Contained CTPs		
vlanAdminType		
vlanencapType		
getAccess		
Allowed Vlans		
IMO Name—IVlanEncapMux		
IANA Type		
Containing CTPs		
Contained CTPs		
discoveryProtocols		
ingressPolicy		
egressPolicy		
controlPolicy		
type		
ID		
egressSpeed		
ingressSpeed		
IMO Name—IVlanMapping		
direction		
vlanMatchCriteria		
vlanRewriteDefinition		
Drop		
Vlan		
innerVlan		
translatedVlan		
translatedInnerVlan		
IMO Name—IClientBridgeEfp		
efpId		
interfaceName		
translatedInnerVLAN		
vlan		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
innerVlan		
operationalState		
administrativeState		
translatedVlan		
RewriteDefinition		
VlanMatchCriteria		
IMO Name—IIEEE802		
VLAN Identification	Y	Y
Binding Information		
Binding Status		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
IMO Name—IStpService		
StpProtocol		
StpMaxAge		
StpHelloTime		
StpBridgeForwardDelay		
StpInstanceInfoTable		
Same as ISystemService		
StpUplinkFastState		
StpBackboneFastState		
StpForwardDelay		
StpBridgeMaxAge		
StpBridgeHelloTime		
IMO Name—IMstService		
MstProperties		
Same as IStpService		
IMO Name—IPvstpService		
UpLinkFast		
BackboneFast		
IMO Name—IMstProperties		
MstForceVersion		
MstCfgIdFmtSel		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
MstExternalRootCost		
MstMaxInstances		
MstCfgIdName		
MstCfgIdRevLevel		
IMO Name—IStpInstanceInfo		
Object Identification		
StpBridgeId		
BridgePriority		
Designated Parent and Root Bridges		
StpRootCost		
IsRoot		
StpRootPort		
StpPortInfoTable		
STP Instance Id		
Vlan Id		
StpDesignatedBridge		
StpDesignatedRoot		
IMO Name—IMstInstanceInfo		
MstVlanIds		
Same as IStpInstanceInfo		
IMO Name—IPvstpInstanceInfo		
Protocol Type		
StpBridgeMaxAge		
StpBridgeHelloTime		
StpBridgeForwardDelay		
StpProtocolSpecification		
StpVlanId		
StpForwardDelay		
StpMaxAge		
IMO Name—IRstpInstanceInfo		
StpForceVersion		
Same as IStpInstanceInfo		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
IMO Name—IStpPortInfo		
StpPort		
StpPortPriority		
StpPortState		
StpPortPathCost		
StpPortEdgePort		
StpPortPointToPoint		
StpPortRole		
StpDesignatedPortIdentifier		
StpDesignatedBridge		
StpPortIdentifier		
StpPortBpduGuardState		
StpPortBpduFilterState		
IMO Name—IMstPortInfo		
MstPortHelloTime		
Same as IStpPortInfo		
IMO Name—IPvstpPortInfo		
PvstpPortFastState		
IMO Name—IEthernetChannel		
Group Number		
Bandwidth		
Aggregation Protocol		
IANA Type		
Containing CTPs		
Contained CTPs		
Mac Address		
Admin Status		
Oper Status		
IMO Name—ITokenRingLayer2		
MAC Address		
IANA Type		
Containing CTPs		
Contained CTPs		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
IMO Name—ITokenRingLayer1		
Same as IPhysicalLayer		
IMO Name—IBridge		
Bridge Table		
Type		
MAC Address		
IP Interface		
Name		
Logical Sons		
Vlan Type		
IMO Name—IBridgeEntry		
Destination MAC		
Outgoing Interface		
IMO Name—IVtpService		
Version		
OperatingMode		
DomainName		
ConfigurationRevision		
isPruningEnabled		
isAuthenticationEnabled		
IMO Name—IREPService		
version		
administrativeVlan		
notificationEnabled		
IMO Name—IREPSegmentInfo		
segmentId		
segmentComplete		
IMO Name—IREPPortInfo		
portName		
portKey		
segmentId		
portType		
portRole		
operStatus		

Table 3-11 Ethernet Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
blockedVlans		
preemptTimer		
lslAgeoutTimer		
remoteDeviceName		
remoteDeviceMac		
remotePortName		
configuredLoadBalancingBlockedVlans		
IMO Name—IBridgeILan		
Id		
IMO Name—IIBridgeEntry		
IS Id		
IBridge		
BBridge		
IMO Name—IEfp		
egressSpeed		
ingressSpeed		

ATM

Table 3-12 ATM Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IAtm		
ATM Address	Y	
Interface Type		
VP and VC Ranges	Y	
VC Table	Y	
Cross-Connect Table		
IANA Type	Y	
Containing CTPs		
Contained CTPs		

Table 3-12 ATM Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
Tx Allocated Bandwidth	Y	
Tx Maximum Bandwidth	Y	
Tx UBR Allocated Bandwidth	Y	
Tx CBR Allocated Bandwidth	Y	
Rx Allocated Bandwidth	Y	
Rx Maximum Bandwidth	Y	
Rx UBR Allocated Bandwidth	Y	
Rx CBR Allocated Bandwidth	Y	
IMO Name—IAtmVc		
Virtual Channel Identifier	Y	
Virtual Path Identifier	Y	
Shaping Profile		
Discarded and Received Input Data Counters	Y	
Dropped and Forward Output Data Counters	Y	
Ingress Traffic Descriptor	Y	
Egress Traffic Descriptor	Y	
Administrative Status	Y	
Operational Status	Y	
IANA Type	Y	
Containing CTPs		
Contained CTPs		
IMO Name—IAtmTrafficDescriptor		
Traffic Descriptor Type	Y	
Service Category	Y	
Cell Loss Priority	Y	
Cell Delay Variation		
Cell Delay Variation Tolerance	Y	
Maximum High Priority and Aggregate Cell Rates	Y	
Minimum High Priority and Aggregate Cell Rates	Y	
Sustainable High Priority and Aggregate Cell Rates	Y	

Table 3-12 ATM Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
Peak High Priority and Aggregate Cell Rates	Y	
Name		
Index		
IMO Name—IAtmTrafficShapingDescriptor		
Maximum Burst Size		
Sustainable and Peak Cell Rates		
Cell Delay Variation		
State		
Buffer Size		
Cell Loss Priority Discarded Size		
Name		
Index		
IMO Name—IAtmTrunk		
Same as IAtm		
IMO Name—IAtmLogicalPort/Trunk		
Resource Management Cell Termination		
Resource Management Cell Generation		
Effective Check Input and Output Capacities		
Admin Status		
Oper Status		
Same as IAtm		
IMO Name—IAtmTrunkVc		
Destination Description		
Same as IAtmVc		
IMO Name—IVcSwitchingEntity		
Cross Connect Table		
crossConnectTableSize		
Logical Sons		
IMO Name—IIMAGroup		
AdminStatus		
OperStatus		

Table 3-12 ATM Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
GroupNumber		
ImaVersion		
Speed		
ConfiguredBandwidth		
NumberOfLinks		
NumberOfActiveLinks		
MinimumNumberOfTxLinks		
MinimumNumberOfRxLinks		
ClockMode		
FrameLength		
interfaceName		
groupStatus		

Frame Relay

Table 3-13 Frame Relay Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IFrameRelay/IFrTrunk		
Protocol Type	Y	
VC Table	Y	
Cross-Connect Table		
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—IFrVc		
Data Link Connection Identifier	Y	
Traffic Descriptor	Y	
Discard and Received Input Data Counters		
Dropped and Forward Output Data Counters		
Ingress Traffic Descriptor	Y	

Table 3-13 Frame Relay Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Egress Traffic Descriptor	Y	
Administrative Status	Y	
Operational Status	Y	
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—IFRTrafficDescriptor		
Committed Rate	Y	
Excess Burst Rate	Y	
Name		
Index	Y	
IMO Name—IFrameRelayLogicalPort/Trunk		
Admin Status	Y	
Oper Status	Y	
Same as IFrameRelay		
IMO Name—IFrTrunkVc		
Destination Description		
Same as IFrVc		
IMO Name—IEncapsulation		
Virtual Connection Interface	Y	
Binding Information		

PPP

Table 3-14 PPP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IVcBasedEncapsulation		
Virtual Connection		
Binding Information		
Binding Status	Y	
IANA Type	Y	

Table 3-14 PPP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Containing CTPs		
Contained CTPs		
IMO Name—IMLPPP		
InterfaceName		
GroupNumber		
MTU		
FragmentDelay		
FragmentDisable		
FragmentMaximum		
FragmentSize		
Interleave		
Keepalive		
KeepaliveTime		
KeepaliveRetry		
ActiveLink		
MinimumConfiguredLink		
MaximumConfiguredLink		
LocalMRRU		
RemoteMRRU		
LoadThreshold		
LCPStatus		
AdminStatus		
OperStatus		

HDLC

Table 3-15 HDLC Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IEncapsulation (HDLC/PPP)		
Virtual Connection	Y ¹	
Binding Information	Y ²	

Table 3-15 HDLC Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Binding Status	Y ³	
IANA Type	Y ⁴	
Containing CTPs		
Contained CTPs		

^{1,2,3,4}HDLC is not supported

MPLS

Table 3-16 MPLS Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IMpls		
Distribution Protocol	Y	Y
LabelStack		
TopLabel		
Outer and Inner Labels		
Traffic Engineering Properties		
Resource reservation Properties		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
IMO Name—ILse		
MPLS Table	Y	Y
MPLS Aggregate Table	Y	Y
MPLS Tunnel Segments	Y	
LDP Service	Y	Y
Logical Sons	Y	Y
IMO Name—ILdpService		
Local Identification Status	Y	Y
LDP Peers	Y	Y

Table 3-16 MPLS Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
IMO Name—ILdpPeer		
Peer Identification	Y	Y
Transport Address	Y	Y
Distribution Method	Y	Y
Protocol Type	Y	Y
Path Vector Limit		
Session Status	Y	Y
Protocol Version Hold Time		
Hold Time	Y	Y
Keep Alive Time		
Peer Discovery Sources	Y	Y
IMO Name—ILdpDiscoverySource		
Interface Name	Y	Y
Source Address	Y	Y
Type	Y	Y
IMO Name—IMplsEntry		
Incoming Label	Y	Y
Outgoing Interface and Label	Y	Y
Switching Action	Y	Y
Next Hop IP Address	Y	Y
Destination Mask	Y	Y
Destination address	Y	Y
IMO Name—IMplsAggregateEntry		
Virtual Routing Entity	Y	Y
Incoming Label	Y	Y
Outgoing Interface and Label	Y	Y
Switching Action	Y	Y
Next Hop IP Address	Y	Y
IMO Name—IMplsLabelRange		
Type		
minValue		
Max Value		

VPN (VRF)

Table 3-17 VPN (VRF) Attribute Support on Cisco CMTS—Cisco Prime Network Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IVrf		
Virtual Routing Table	Y	Y
Exported Route Targets	Y	Y
Imported Route Targets	Y	Y
Route Distinguisher	Y	Y
ARP Entity	Y	Y
Name	Y	Y
Logical Sons	Y	Y
Description	Y	Y
Import Route-Map	Y	Y
Export Route-Map	Y	Y
Multicast Routing Table		
IMO Name—IVrfEntry		
Next Hop BGP Address	Y	Y
Incoming and Outgoing Inner Label	Y	Y
Outer Label	Y	Y
Destination IP Subnet	Y	Y
Next Hop IP Address	Y	Y
Type	Y	Y
Routing Protocol Type	Y	Y
Outgoing Interface Name	Y	Y
IMO Name—IMpBgp		
BGP Identifier	Y	Y
Local Autonomous System	Y	Y
Cross Virtual Routing Table	Y	Y
BGP Neighbors	Y	Y
Logical Sons	Y	Y
IMO Name—ICrossVrf		
Virtual Routing Entries	Y	
Virtual Routing Entity Name	Y	

Table 3-17 *VPN (VRF) Attribute Support on Cisco CMTS—Cisco Prime Network Prime Network Version 5.3 (Continued)*

Attribute	UBR7200	UBR10000
IMO Name—ICrossVrfRoutingEntry		
Outgoing Virtual Routing Entity Identifier		Y
Incoming and Outgoing Virtual Routing Tags		Y
Destination IP Subnet	Y	Y
Next Hop IP Address	Y	Y
Type	Y	Y
Routing Protocol Type	Y	Y
Outgoing Interface Name		

Security

Table 3-18 *Security Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3*

Attribute	UBR7200	UBR10000
IMO Name—IAccessList		
Type	Y	Y
Access List Entries	Y	Y
Name or Id	Y	Y
Index	Y	Y
IMO Name—IAccessListEntry		
Entry Identification	Y	Y
Action Logic	Y	Y
Source and Destination Address	Y	Y
Source and Destination Wildcard	Y	Y
Protocol Type	Y	Y
Source and Destination Port Ranges	Y	Y
Source and Destination Port Action	Y	Y
Protocol Specific Info	Y	Y

Table 3-18 Security Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Differential Services Code Points	Y	Y
Type of Service	Y	Y
Precedence	Y	Y
Matches	Y	Y

Hardware

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IChassis		
Description	Y	Y
Equipment Holder Type	Y	Y
Contained Equipment Holders		
Contained Equipments		
Serial Number	Y	Y
Configuration State (Soft property)		
Operability (Soft property)		
Power (Soft property)		
Thermal (Soft property)		
Name (Soft property)		
PID (Soft property)		
VID (Soft property)		
Role (Soft property)		
Status		
OperState		
AdminState		
Discovery State		
Model		
Connection Path		

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
AvailState		
Admin Power		
Assoc State		
Oper Power		
Connection Status		
Managing Instance		
No.. of Processors		
Low Voltage memory		
Effective Memory		
CheckPoint		
Total Memory		
Operating Memory Speed		
Slot Status		
Cores		
Threads		
No.. of Adapters		
No.. of HBA ports		
No.. of NIC ports		
UUID		
IP Address (Soft property)		
IMO Name—IShelf		
Description		
Status		
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number		
IMO Name—IModule		
Module Name	Y	Y
Module Description	Y	Y
Software Version	Y	Y
Operational Status	Y	Y
Hardware Type + Version	Y	Y
Managed IP Address		

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Redundant Equipment		
Configured Redundancy		
Redundancy Status	Y	
Operational Status Last Changed	Y	Y
Supported Physical Termination Points	Y	Y
Serial Number (soft property)	Y	Y
Model		
Operability		
Integrated		
Admin State(Soft property)		
Discovery State(Soft property)		
Power State (Soft property)		
Slot ID (Soft property)		
Chassis ID (Soft property)		
Name (Soft property)		
Description (Soft property)		
PID (Soft property)		
VID (Soft property)		
Avail State (Soft property)		
Assoc State (Soft property)		
Slot Status (Soft property)		
Check Point (Soft property)		
Number Of Processor (Soft property)		
Effective Memory (Soft property)		
Total Memory (Soft property)		
Operating Memory Speed (Soft property)		
Operating Memory Voltage (Soft property)		
Slot Number (Soft property)		
Part Number (Soft property)		

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Running Version (Soft property)		
Package Version (Soft property)		
Backup Version (Soft property)		
Update Status (Soft property)		
Startup Version (Soft property)		
Activate Status (Soft property)		
Slots Number		
HostName (Soft Property)		
MgmtIP (Soft Property)		
TypeName (Soft Property)		
vCPU (Soft Property)		
haStatus (Soft Property)		
status (Soft Property)		
location (Soft Property)		
swVersion (Soft Property)		
domainId (Soft Property)		
haPrimaryRole (Soft Property)		
haPrimaryStatus (Soft Property)		
primaryStatus (Soft Property)		
primaryLocation (Soft Property)		
primarySwVersion (Soft Property)		
haSecondaryRole (Soft Property)		
haSecondaryStatus (Soft Property)		
secondaryStatus (Soft Property)		
secondaryLocation (Soft Property)		
secondarySwVersion (Soft Property)		
AssociatedComputeServer		
AssociatedHost		
AssociatedEntity		

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
EquipmentType		
IMO Name—IPowerSupply		
Same as IModule	Y	Y
IMO Name—IFanTray		
Same as IModule	Y	Y
IMO Name—IPluggableTransceiver		
ConnectorDescription	Y	Y
PID	Y	Y
ConnectorSerialNumber	Y	Y
ConnectorType	Y	Y
PluggablePortState	Y	Y
PluggableType	Y	Y
IMO Name—IManagedElement		
IP Address	Y	Y
Communication State	Y	Y
Investigation State	Y	Y
Element Category	Y	Y
Element Type and Key	Y	Y
Device Name	Y	Y
System Name	Y	Y
System Description	Y	Y
Up Time	Y	Y
Software Version	Y	Y
Vendor Identity	Y	Y
Memory and CPU Usage	Y	Y
DRAM Free	Y	Y
DRAM Used	Y	Y
DRAM Usage	Y	Y
Flash Device Size	Y	Y
NVRAM Size	Y	Y
Processor DRAM	Y	Y
Sys Contact	Y	Y
Sys Location	Y	Y
Serial Number	Y	Y

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
File Systems		
IsVirtualElement		
AssociatedHypervisor		
AssociatedVirtualMachine		
AssociatedComputeServer		
TimeZone		
cidsHealthSecMonAvailability		
cidsHealthSecMonOverallHealth		
cidsHealthSecMonSoftwareVersion		
cidsHealthSecMonSignatureVersion		
cidsHealthSecMonLicenseStatus		
cidsHealthSecMonMainAppStatus		
cidsHealthSecMonAnalysisEngineStatus		
cidsHealthSecMonCollaborationAppStatus		
cidsHealthSecMonByPassMode		
cidsHealthSecMonMissedPktPctAndThresh		
cidsHealthSecMonAnalysisEngMemPercent		
cidsHealthSecMonSensorLoad		
cidsHealthSecMonVirtSensorName		
cidsHealthSecMonVirtSensorStatus		
cidsHealthSecMonPartitionName		
cidsHealthSecMonTotalPartitionSpace		
IMO Name—IContext		
Name	Y	

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Bounded Connections		
IP Address Pools		
Forwarding Components List		
Traffic Descriptors List		
Tunnel Containers List		
Data Link Aggregation Containers List		
IMO Name—ISystemService		
Type		
Status		
Up Time	Y	
IMO Name—Iserver		
Uuid		
Maximum Memory		
Effective Memory		
Ip Address		
Form Factor		
Operating System		
Hard Drive Properties		
MemorySlot Properties		
Processor		
Operating Memory Speed		
associatedHypervisor		
AssociatedVEM		
IMO Name—IHardDriveProperties		
Model Name		
Drive Type		
Storage Capacity		
Status		
isFRU		
IMO Name—IMemorySlotProperties		
Slot Name		
Location		
Speed		

Table 3-19 Hardware Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Memory Capacity		
Status		
IMO Name—IProcessor		
cpu		
coresperCpu		
Model		
Status		
Vendor		
ratedSpeed		
usedSpeed		
hyperThreadingEnabled		
ramSize		
nvRamSize		
name		
description		

Port

Table 3-20 Port Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IPhysicalLayer		
Media Type	Y	Y
Clocking Source	Y	Y
Maximum Speed	Y	Y
Is Internal Port	Y	Y
Discarded Bandwidth		
Dropped Bandwidth		
Input Bandwidth		
Output Bandwidth		
Discarded and Received Input Data Counters	Y	Y

Table 3-20 Port Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
Dropped and Forward Output Data Counters	Y	Y
Administrative Status	Y	Y
Operational Status	Y	Y
Last Changed	Y	Y
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
Port Alias	Y	Y
Location	Y	Y
Sending Alarms	Y	Y
Connector Description	Y	Y
Part ID	Y	Y
Connector Serial Num	Y	Y
Product	Y	Y
Status	Y	Y
Managed	Y	Y
AssociatedPluggable		
AinsSoak		
Reach		
WaveLength		
facilityId		
IMO Name—IDiscoveryProtocol		
DiscoveryProtocolType	Y	Y
Info	Y	Y

CDP

Table 3-21 CDP Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—ICdpService		
cdpHoldtime	Y	Y
cdpMessageInterval	Y	Y
cdpDeviceId	Y	Y
cdpState	Y	Y
cdpVersion	Y	Y
IMO Name—ICdpNeighbor		
remoteDeviceId	Y	Y
remotePortId	Y	Y
remoteIPAddress	Y	Y
localPortId	Y	Y

DTI

Table 3-22 DTI Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IDTIClient		
DTIClientTableEntries		Y
IMO Name—IDTIClientPortStatus		
DTIClientStatus		Y
ClientStatus		Y
ClockType		Y
Timestamp		Y
DtiVersion		Y
NormalTime		Y
Portstatus		Y
SignalDetected		Y
CrcErrorCount		Y
FrameErrorRate		Y

Table 3-22 DTI Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)

Attribute	UBR7200	UBR10000
CableAdvance		Y
IMO Name—IDTIServer		
status		Y
rootServerClockType		Y
rootServerSource		Y
serverType		Y
clientPerformanceStable		Y
clientCableAdvanceValid		Y
TimeOfDaySettingMode		Y
timeOfDay		Y

NarrowbandChannel

Table 3-23 NarrowbandChannel Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—INarrowBandChannelContainer		
NarrowbandChannelEntries		Y
IMO Name—INarrowbandChannel		
RF channel ID		Y
NB Channel name		Y
Channel Status		Y
Downstream ID		Y
Bandwidth		Y
WBChannelsforSingleRFchanne l		Y

WidebandChannel

Table 3-24 WidebandChannel Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IWideBandChannelContainer		
WidebandChannelEntries		Y
IMO Name—IWidebandChannels		
WB Channel		Y
Bonding Group ID		Y
Bundle Number		Y
Channel Status		Y
Multicasting Reserved CIR		Y
Multicasting Total CIR		Y
NB channel		Y
NB channel id		Y
Reserved CIR		Y
Total CIR		Y
RFChannels mapping to WB channel		Y

FiberNode

Table 3-25 FiberNode Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—FiberNode		
Channel		
ChannelID		Y
UpStreamCable		Y
FnConfigStatus		Y
Mddstatus		Y

MACDomain

Table 3-26 MACDomain Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
IMO Name—IMACDomainContainer		
IMACDomainInterface		Y
MacDomainName		Y
IMO Name—IMACDomainInterface		
MacDomainName		Y
IpAddress		Y
Bundle		Y
DomainStatus		Y
ActiveRemoteDS		Y
DownStreamChanneies		Y
UpStreamChanneies		Y
IMO Name—IUpStreamChannel		
UsChannel		Y
usChannelDetails		Y
Status		Y
UsChannelID		Y
Frequency		Y
Modulation		Y
ChannelWidth		Y
RangingBackOffStart		Y
RangingBackoffEnd		Y
IMO Name—IDownStreamChannel		
DsChannel		Y
DsChannelDetails		Y
Status		Y
DsChannelID		Y
Frequency		Y
DsChannelXID		Y
NetworkDelay		Y
TotalModem		Y
ModemActive		Y
TotalDSFlows		Y

Table 3-26 *MACDomain Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3 (Continued)*

Attribute	UBR7200	UBR10000
Port		Y

CableDownstreamChannels

Table 3-27 *CableDownstreamChannels Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3*

Attribute	UBR7200	UBR10000
IMO Name—ICableDownstreamChannels		
Channel Id		Y
Port Name		
Modulation		Y
Bandwidth		Y
Frequency		Y
Power		Y
Interleave		Y
Associated Port		
Channel Status		Y
Channel Name		Y

CableUpstreamChannels

Table 3-28 *CableUpstreamChannels Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3*

Attribute	UBR7200	UBR10000
IMO Name—ICableUpstreamChannels		
Channel Id		Y
Port Name		
Modulation		Y
Bandwidth		Y

Table 3-28 CableUpstreamChannels Attribute Support on Cisco CMTS—Cisco Prime Network Version 5.3

Attribute	UBR7200	UBR10000
Frequency		Y
Associated Port		
ChannelStatus		Y
ChannelTxTimingOffset		
ChannelRangingBackoffstart		
ChannelRangingBackoffEnd		
ChannelTxBackoffStart		
ChannelTxBackoffEnd		
ChannelName		Y
Annex		



Support Information for Cisco Citrix Devices

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco Citrix devices in Cisco Prime Network Version 5.2. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 3.8 Reference Guide](#).

This chapter contains the following topics:

- [Citrix NetScaler Series, page 4-1](#)
- [Supported Technologies on Cisco Citrix Devices, page 4-2](#)

Citrix NetScaler Series

This section includes the following information about Citrix NetScaler Citrix devices (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Citrix NetScaler Series](#)):

This section contains the following topics:

- [Citrix NetScaler—Supported Software Versions, page 4-1](#)
- [Citrix NetScaler—Supported Topologies, page 4-2](#)
- [Citrix NetScaler—Supported Technologies, page 4-2](#)
- [Citrix NetScaler—Supported Service Events, page 4-2](#)

Citrix NetScaler—Supported Software Versions

Table 4-1 Supported Software Versions for Citrix NetScaler—Cisco Prime Network Version 5.3

Software Version	Product Version
NetScaler 10.0	¹

¹Greater than 10.0

Citrix NetScaler—Supported Topologies

Table 4-2 Supported Topologies for Citrix NetScaler—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	Prime Network 4.2 Everest

Citrix NetScaler—Supported Technologies

The following technologies are supported by the Citrix NetScaler in Cisco Prime Network Version 5.3:

- [IP, page 4-3](#)
- [Ethernet, page 4-6](#)
- [Hardware, page 4-13](#)

Citrix NetScaler—Supported Service Events

Table 4-3 Supported Service Events for Citrix NetScaler—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Port Down Due to Admin		N
Port Down Due to Oper		N
Port Up		N

Supported Technologies on Cisco Citrix Devices

The following sections list the objects and attributes that are supported on Cisco citrix devices in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 4-3](#)
- [Ethernet, page 4-6](#)
- [Hardware, page 4-13](#)

IP

Table 4-4 IP Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
IMO Name—IIPInterface	
IP Address	
Subnetwork Mask	
IP Interface Addresses Array	
Interface Name	
Interface Description	
IP Interface State	
OSPF Interface Cost	
Broadcast Address	
MTU	
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANAType	
Containing CTPs	
Contained CTPs	
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IRoutingEntity	
Routing Table	Y
ARP Entity	
Routing Table Changes	
Name	
Logical Sons	
Multicast Routing Table	

Table 4-4 IP Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	NetScaler†
IMO Name—IRoutingEntry	
Destination IP Subnet	Y
Next Hop IP Address	Y
Type	Y
Routing Protocol Type	Y
Outgoing Interface Name	Y
IMO Name—IARPEntity	
ARP Table	
IMO Name—IARPEntity	
IP Address	
MAC Address	
Port	
Entry Type	
IMO Name—IIPPool	
IP Address Pool Entries	
Name	
IMO Name—IIPPoolEntry	
Free Address	
Reserved Address	
Address In Use	
Group Name	
Pool Type	
Status	
Priority	
VRF Oid	
IMO Name—IIPRangeBasedIPPoolEntry	
Range Start	
Range End	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—IIPSubnetBasedIPPoolEntry	
IP Subnet	

Table 4-4 IP Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	NetScaler†
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—HSRPGroupEntry	
Group Number	
Port Description	
Priority	
Coupled Router	
State	
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	
IMO Name—ITunnelGRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IPrime Network Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
IMO Name—IVrrpGroupEntry	
Group Number	
State	
Port Description	
Master IP Address	
Primary IP Address	
Priority	
Virtual Mac Address	
Preempt Mode	
Admin State	
Advertisement Interval	
Tracking Interfaces	

Table 4-4 IP Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	NetScaler†
IMO Name—IIPSLAResponderService	
responderStatus	
TWAMPResponderStatus	
tcpConnect	
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Ethernet

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
IMO Name—ILinkAggregationGroup802dot3ad	
dot3adAggMACAddress	
dot3adAggActorSystemPriority	
dot3adAggActorSystemID	
dot3adAggActorAdminKey	
dot3adAggActorOperKey	
dot3adAggPartnerSystemID	
dot3adAggPartnerSystemPriority	
dot3adAggPartnerOperKey	
dot3adAggCollectorMaxDelay	
GroupNumber	
AggregationProtocolType	
MacAddress	
ChannelAdminStatus	
ChannelOperStatus	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
lagLoadBalancingType	
bandWidth	
LinkType	
IMO Name—IEthernet	
MAC Address	Y
Duplex Mode	
Output Flow Control	
Input Flow Control	
IANA Type	
Containing CTPs	
Contained CTPs	
Port Type	
isElmiEnabled	
isLOAMEnabled	
AutoNegotiate	
FCID (Soft Property)	
WWN (Soft Property)	
FlowControl	
IMO Name—IVlanInterface	
Mode	Y
Native VLAN Identification	Y
Virtual LAN Table	Y
IANA Type	
Containing CTPs	
Contained CTPs	
vlanAdminType	
vlanencapType	
getAccess	
Allowed Vlans	Y
IMO Name—IVlanEncapMux	
IANA Type	
Containing CTPs	
Contained CTPs	
discoveryProtocols	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
ingressPolicy	
egressPolicy	
controlPolicy	
type	
ID	
egressSpeed	
ingressSpeed	
IMO Name—IVlanMapping	
direction	
vlanMatchCriteria	
vlanRewriteDefinition	
Drop	
Vlan	
innerVlan	
translatedVlan	
translatedInnerVlan	
IMO Name—IClientBridgeEfp	
efpId	
interfaceName	
translatedInnerVLAN	
vlan	
innerVlan	
operationalState	
administrativeState	
translatedVlan	
RewriteDefinition	
VlanMatchCriteria	
IMO Name—IIEEE802	
VLAN Identification	
Binding Information	
Binding Status	
IANA Type	
Containing CTPs	
Contained CTPs	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
IMO Name—IStpService	
StpProtocol	
StpMaxAge	
StpHelloTime	
StpBridgeForwardDelay	
StpInstanceInfoTable	
Same as ISystemService	
StpUplinkFastState	
StpBackboneFastState	
StpForwardDelay	
StpBridgeMaxAge	
StpBridgeHelloTime	
IMO Name—IMstService	
MstProperties	
Same as IStpService	
IMO Name—IPvstpService	
UpLinkFast	
BackboneFast	
IMO Name—IMstProperties	
MstForceVersion	
MstCfgIdFmtSel	
MstExternalRootCost	
MstMaxInstances	
MstCfgIdName	
MstCfgIdRevLevel	
IMO Name—IStpInstanceInfo	
Object Identification	
StpBridgeId	
BridgePriority	
Designated Parent and Root Bridges	
StpRootCost	
IsRoot	
StpRootPort	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
StpPortInfoTable	
STP Instance Id	
Vlan Id	
StpDesignatedBridge	
StpDesignatedRoot	
IMO Name—IMstInstanceInfo	
MstVlanIds	
Same as IStpInstanceInfo	
IMO Name—IPvstpInstanceInfo	
Protocol Type	
StpBridgeMaxAge	
StpBridgeHelloTime	
StpBridgeForwardDelay	
StpProtocolSpecification	
StpVlanId	
StpForwardDelay	
StpMaxAge	
IMO Name—IRstpInstanceInfo	
StpForceVersion	
Same as IStpInstanceInfo	
IMO Name—IStpPortInfo	
StpPort	
StpPortPriority	
StpPortState	
StpPortPathCost	
StpPortEdgePort	
StpPortPointToPoint	
StpPortRole	
StpDesignatedPortIdentifier	
StpDesignatedBridge	
StpPortIdentifier	
StpPortBpduGuardState	
StpPortBpduFilterState	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
IMO Name—IMstPortInfo	
MstPortHelloTime	
Same as IStpPortInfo	
IMO Name—IPvstpPortInfo	
PvstpPortFastState	
IMO Name—IEthernetChannel	
Group Number	
Bandwidth	
Aggregation Protocol	
IANA Type	
Containing CTPs	
Contained CTPs	
Mac Address	
Admin Status	
Oper Status	
IMO Name—ITokenRingLayer2	
MAC Address	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—ITokenRingLayer1	
Same as IPhysicalLayer	
IMO Name—IBridge	
Bridge Table	Y
Type	
MAC Address	
IP Interface	
Name	
Logical Sons	
Vlan Type	
IMO Name—IBridgeEntry	
Destination MAC	
Outgoing Interface	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
IMO Name—IVtpService	
Version	
OperatingMode	
DomainName	
ConfigurationRevision	
isPruningEnabled	
isAuthenticationEnabled	
IMO Name—IREPService	
version	
administrativeVlan	
notificationEnabled	
IMO Name—IREPSegmentInfo	
segmentId	
segmentComplete	
IMO Name—IREPPortInfo	
portName	
portKey	
segmentId	
portType	
portRole	
operStatus	
blockedVlans	
preemptTimer	
IslAgeoutTimer	
remoteDeviceName	
remoteDeviceMac	
remotePortName	
configuredLoadBalancingBlockedVlans	
IMO Name—IBridgeILan	
Id	
IMO Name—IIBBridgeEntry	
IS Id	
IBridge	

Table 4-5 Ethernet Attribute Support on Cisco Citrix Devices—Cisco Prime Network Version 5.3

Attribute	NetScaler†
BBridge	
IMO Name—IEfp	
egressSpeed	
ingressSpeed	

Hardware

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3

Attribute	NetScaler†
IMO Name—IChassis	
Description	Y
Equipment Holder Type	Y
Contained Equipment Holders	
Contained Equipments	
Serial Number	Y
Configuration State (Soft property)	
Operability (Soft property)	
Power (Soft property)	
Thermal (Soft property)	
Name (Soft property)	
PID (Soft property)	
VID (Soft property)	
Role (Soft property)	
Status	
OperState	
AdminState	
Discvory State	
Model	
Connection Path	
AvailState	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
Admin Power	
Assoc State	
Oper Power	
Connection Status	
Managing Instance	
No.. of Processors	
Low Voltage memory	
Effective Memory	
CheckPoint	
Total Memory	
Operating Memory Speed	
Slot Status	Y
Cores	
Threads	
No.. of Adapters	
No.. of HBA ports	
No.. of NIC ports	
UUID	
IP Address (Soft property)	
IMO Name—IShelf	
Description	
Status	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	
Software Version	
Operational Status	
Hardware Type + Version	
Managed IP Address	
Redundant Equipment	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
Configured Redundancy	
Redundancy Status	
Operational Status Last Changed	
Supported Physical Termination Points	
Serial Number (soft property)	
Model	
Operability	
Integrated	
Admin State(Soft property)	
Discovery State(Soft property)	
Power State (Soft property)	
Slot ID (Soft property)	
Chassis ID (Soft property)	
Name (Soft property)	
Description (Soft property)	
PID (Soft property)	
VID (Soft property)	
Avail State (Soft property)	
Assoc State (Soft property)	
Slot Status (Soft property)	
Check Point (Soft property)	
Number Of Processor (Soft property)	
Effective Memory (Soft property)	
Total Memory (Soft property)	
Operating Memory Speed (Soft property)	
Operating Memory Voltage (Soft property)	
Slot Number (Soft property)	
Part Number (Soft property)	
Running Version (Soft property)	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
Package Version (Soft property)	
Backup Version (Soft property)	
Update Status (Soft property)	
Startup Version (Soft property)	
Activate Status (Soft property)	
Slots Number	
HostName (Soft Property)	
MgmtIP (Soft Property)	
TypeName (Soft Property)	
vCPU (Soft Property)	
haStatus (Soft Property)	
status (Soft Property)	
location (Soft Property)	
swVersion (Soft Property)	
domainId (Soft Property)	
haPrimaryRole (Soft Property)	
haPrimaryStatus (Soft Property)	
primaryStatus (Soft Property)	
primaryLocation (Soft Property)	
primarySwVersion (Soft Property)	
haSecondaryRole (Soft Property)	
haSecondaryStatus (Soft Property)	
secondaryStatus (Soft Property)	
secondaryLocation (Soft Property)	
secondarySwVersion (Soft Property)	
AssociatedComputeServer	
AssociatedHost	
AssociatedEntity	
EquipmentType	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
IMO Name—IPowerSupply	
Same as IModule	
IMO Name—IFanTray	
Same as IModule	
IMO Name—IPluggableTransceiver	
ConnectorDescription	
PID	
ConnectorSerialNumber	
ConnectorType	
PluggablePortState	
PluggableType	
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	
Memory and CPU Usage	Y
DRAM Free	
DRAM Used	
DRAM Usage	
Flash Device Size	
NVRAM Size	
Processor DRAM	
Sys Contact	
Sys Location	
Serial Number	Y
File Systems	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
IsVirtualElement	
AssociatedHypervisor	
AssociatedVirtualMachine	
AssociatedComputeServer	
TimeZone	
cidsHealthSecMonAvailability	
cidsHealthSecMonOverallHealth	
cidsHealthSecMonSoftwareVersion	
cidsHealthSecMonSignatureVersion	
cidsHealthSecMonLicenseStatus	
cidsHealthSecMonMainAppStatus	
cidsHealthSecMonAnalysisEngineStatus	
cidsHealthSecMonCollaborationAppStatus	
cidsHealthSecMonByPassMode	
cidsHealthSecMonMissedPktPctAndThresh	
cidsHealthSecMonAnalysisEngMemPercent	
cidsHealthSecMonSensorLoad	
cidsHealthSecMonVirtSensorName	
cidsHealthSecMonVirtSensorStatus	
cidsHealthSecMonPartitionName	
cidsHealthSecMonTotalPartitionSpace	
IMO Name—IContext	
Name	
Bounded Connections	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
IP Address Pools	
Forwarding Components List	
Traffic Descriptors List	
Tunnel Containers List	
Data Link Aggregation Containers List	
IMO Name—ISystemService	
Type	
Status	
Up Time	
IMO Name—IServer	
Uuid	
Maximum Memory	
Effective Memory	
Ip Address	
Form Factor	
Operating System	
Hard Drive Properties	
MemorySlot Properties	
Processor	
Operating Memory Speed	
associatedHyperviosr	
AssociatedVEM	
IMO Name—IHardDriveProperties	
Model Name	
Drive Type	
Storage Capacity	
Status	
isFRU	
IMO Name—IMemorySlotProperties	
Slot Name	
Location	
Speed	
Memory Capacity	

Table 4-6 Hardware Attribute Support on Cisco Citrix Devices—Cisco ANA Version 5.3 (Continued)

Attribute	NetScaler†
Status	
IMO Name—IPProcessor	
cpu	
coresperCpu	
Model	
Status	
Vendor	
ratedSpeed	
usedSpeed	
hyperThreadingEnabled	
ramSize	
nvRamSize	
name	
description	



Support Information for Cisco Data Center

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Cisco Prime Network 4.0 Reference Guide](#) .

This chapter contains the following topics:

- [Cisco UCS 61xx Series Switches, page 5-1](#)
- [Cisco UCS C Series Rack Mount Server, page 5-7](#)
- [Supported Technologies on Cisco DataCenter, page 5-11](#)

Cisco UCS 61xx Series Switches

This section includes the following information about CiscoUCS 6120 datacenter (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco UCS 61xx Series Switches](#)):

This section contains the following topics:

- [CiscoUCS 6120—Supported Software Versions, page 5-1](#)
- [CiscoUCS 6120—Supported Topologies, page 5-2](#)
- [CiscoUCS 6120—Supported Modules, page 5-2](#)
- [CiscoUCS 6120—Supported Technologies, page 5-4](#)
- [CiscoUCS 6120—Supported Service Events, page 5-5](#)

CiscoUCS 6120—Supported Software Versions

Table 5-1 Supported Software Versions for CiscoUCS 6120—Cisco Prime Network Version 5.3

Software Version	“Product_Version”
NX-OS 4.2(1)N1(1.1j)	Prime Network 3.9
Firmware Version : 2.0(1b)	Prime Network 4.1 DP1509
Firmware Version : 2.0(3d)	Prime Network 4.1 DP1509
Firmware Version: 2.2(8I) UCS S/W version: 5.2(3)N2(2.281)	Prime Network 4.3 DP 1811

Table 5-1 Supported Software Versions for Cisco UCS 6120—Cisco Prime Network Version 5.3 (Continued)

Software Version	“Product_Version”
Firmware Version: 3.2(3h) UCS S/W version: 5.0(3)N2(3.23e)	Prime Network 4.3 DP 1811
Firmware Version: 3.1(3k) UCS S/W version: 5.0(3)N2(3.13h)	Prime Network 4.3 DP 1811
Firmware Version: 4.0(1b) UCS S/W version: 5.0(3)N2(4.01b)	Prime Network 4.3 DP 1811
Firmware Version: 3.2(3j) NX-OS version: 5.0(3)N2(3.23h)	Prime Network 5.0 DP 1909
Firmware Version: 4.0(2d) NX-OS version: 5.0(3)N2(4.02c)	Prime Network 5.0 DP 1909

Cisco UCS 6120—Supported Topologies

Table 5-2 Supported Topologies for Cisco UCS 6120—Cisco Prime Network Version 5.3

Topology Type	Link Type	“Product_Version”
Ethernet	Ethernet	Prime Network 4.0
LAG	LAG	Prime Network 4.0
Physical Layer	Physical Layer	PrimeNetwork-3.10-DP1303

Cisco UCS 6120—Supported Modules

Table 5-3 Supported Modules for Cisco UCS 6120—Cisco Prime Network Version 5.3

Module Name	“Product_Version”	Module Description
N20-I6584	Prime Network 3.9	UCS 2104XP Fabric Extender/4 external 10Gb ports
N20-AC0002	Prime Network 3.9	Cisco N20-AC0002 UCS M81KR Virtual Interface Card/PCIe/2-port 10Gb
N20-FAN5	Prime Network 3.9	Fan module for UCS 5108

Table 5-3 Supported Modules for Cisco UCS 6120—Cisco Prime Network Version 5.3 (Continued)

Module Name	“Product _Version”	Module Description
N10-FAN1	Prime Network 3.9	Fan module for UCS 6120XP Fabric Interconnect
N10-S6100-SUP	Prime Network 3.9	UCS 6100 Series Fabric Interconnect 20x10GE/Supervisor
N10-E0060	Prime Network 3.9	20x10GE/Supervisor
N10-S6100	Prime Network 3.9	UCS 6100 Series Fabric Interconnect
N10-E0080	Prime Network 3.9	Cisco N10-E0080 UCS 6100 8-Port 4Gb Fibre Channel Expansion module, SFP-uplink
N20-B6620-1	Prime Network 3.9	UCS B200 M1 Blade Server w/o CPU, memory, HDD, mezzanine
N20-B6620-2	Prime Network 3.9	UCS B250 M1 Blade Server w/o CPU, memory, HDD, mezzanine
N20-AQ0002	Prime Network 3.9	UCS M71KR-Q QLogic Converged Network Adapter/PCIe/2port 10Gb
N20-B6625-1	Prime Network 3.9	UCS B200 M2 Blade Server w/o CPU, memory, HDD, mezzanine
N20-PAC5-2500W	Prime Network 3.9	2500W power supply unit for UCS 5108
N10-PAC1-550W	Prime Network 3.9	AC power supply
N20-C6508	Prime Network 3.9	UCS 5108 Blade Server Chassis/0 PSU/8 fans/0 fabric extender
UCS C210 M2	Prime Network 3.10	Cisco UCS C210 M2 General-Purpose Rack Server
UCS-FI-E16UP	Prime Network 4.1	UCS-FI-E16UP

Table 5-3 Supported Modules for Cisco UCS 6120—Cisco Prime Network Version 5.3 (Continued)

Module Name	“Product _Version”	Module Description
UCS-FI-DL2	Prime Network 4.1	UCS-FI-DL2
UCS-FAN-6248UP	Prime Network 4.1	UCS-FAN-6248UP
UCS-PSU-6248UP	Prime Network 4.1	UCS-PSU-6248UP
SFP-10G-SR - Optic	Prime Network 4.1	SFP-10G-SR - Optic
UCS-FI-6332-16UP	Prime Network 5.0 DP 1909	UCS-FI-6332-16UP

Cisco UCS 6120—Supported Technologies

The following technologies are supported by the Cisco UCS 6120 in Cisco Prime Network Version 5.3:

- [IP, page 5-12](#)
- [Hardware, page 5-15](#)
- [CDP, page 5-21](#)
- [ComputeDataStore, page 5-22](#)
- [HostServer, page 5-22](#)
- [Hypervisor, page 5-24](#)
- [HostServerProcessingDevice, page 5-24](#)
- [HostServerComputeResource, page 5-25](#)
- [HostCPUCapacityProvision, page 5-25](#)
- [HostMemoryCapacityProvision, page 5-26](#)
- [HostDiskCapacityProvision, page 5-26](#)
- [HostServerComputeDataStoreUsage, page 5-27](#)
- [VirtualMachine, page 5-27](#)
- [VirtualMachineComputeResource, page 5-29](#)
- [VMCPUCapacityAllocation, page 5-29](#)
- [VMMemoryCapacityAllocation, page 5-30](#)
- [VMDiskCapacityAllocation, page 5-31](#)
- [VirtualMachineComputeDataStoreUsage, page 5-31](#)

- [VirtualEntityNetworkEndPoint](#), page 5-32
- [FiberChannel](#), page 5-33
- [FiberChannelLinkAggregation](#), page 5-34
- [VSAN](#), page 5-35

CiscoUCS 6120—Supported Service Events

Table 5-4 Supported Service Events for CiscoUCS 6120—Cisco Prime Network Version 5.3

Event Name	“Product _Version”	Expedite d
Card Down	Prime Network 3.9	N
Card In	Prime Network 3.9	N
Card Out	Prime Network 3.9	N
Card Up	Prime Network 3.9	N
Chassis Connected	Prime Network 3.9	Y
Chassis Disconnected	Prime Network 3.9	Y
fan-tray down	Prime Network 3.9	N
Fan-tray out	Prime Network 3.9	N
FCoE Interface Down due to Admin	4.x	Y
FCoE Interface Down due to Oper	4.x	Y
FCoE Interface Up	4.x	Y
Interface status down	Prime Network 3.9	N
Interface status up	Prime Network 3.9	N

Table 5-4 Supported Service Events for Cisco UCS 6120—Cisco Prime Network Version 5.3 (Continued)

Event Name	“Product _Version”	Expedite d
l2tp peer not established	Prime Network 4.0	Y
LAG down	Prime Network 4.0	Y
LAG link up	Prime Network 4.0	Y
Link down due to admin down	Prime Network 4.0	Y
Link down due to Card event	Prime Network 4.0	Y
Link down due to oper down	Prime Network 4.0	Y
Link over utilized	Prime Network 4.0	Y
Port down due to admin	Prime Network 3.9	N
Port down due to Card down	Prime Network 3.9	N
Port down due to Card out	Prime Network 3.9	N
Port down due to oper	Prime Network 3.9	N
Port up	Prime Network 3.9	N
power-supply down	Prime Network 3.9	N
Power-supply out	Prime Network 3.9	N

Table 5-4 Supported Service Events for Cisco UCS 6120—Cisco Prime Network Version 5.3 (Continued)

Event Name	“Product _Version”	Expedite d
Server Connected	Prime Network 4.0	Y
Server Disconnected	Prime Network 4.0	Y
Server out due to Chassis disconnected	Prime Network 4.0	Y
fltStorageVirtualDriveInoperable (fault code -1007)	Prime Network 5.0 DP 1911	N
fltStorageVirtualDriveDegraded (fault code -1008)	Prime Network 5.0 DP 1911	N
fltStorageVirtualDriveReconstruction Failed (fault code -1009)	Prime Network 5.0 DP 1911	N
fltStorageVirtualDriveConsistencyCh eckFailed (fault code -1010)	Prime Network 5.0 DP 1911	N

Cisco UCS C Series Rack Mount Server

This section includes the following information about Cisco UCS Rack Servers datacenter (for information on the NE types supported in Cisco Prime Network Version 4.0, see [Cisco UCS C Series Rack Mount Server](#)):

This section contains the following topics:

- [Cisco UCS Rack Servers—Supported Software Versions, page 5-8](#)
- [Cisco UCS Rack Servers—Supported Topologies, page 5-8](#)
- [Cisco UCS Rack Servers—Supported Modules, page 5-8](#)
- [Cisco UCS Rack Servers—Supported Technologies, page 5-9](#)
- [Cisco UCS Rack Servers—Supported Service Events, page 5-10](#)

Cisco UCS Rack Servers—Supported Software Versions

Table 5-5 Supported Software Versions for Cisco UCS Rack Servers—Cisco Prime Network Version 5.3

Software Version	“Product_Version”
1.4(6d)	Prime Network 4.0

Cisco UCS Rack Servers—Supported Topologies

Table 5-6 Supported Topologies for Cisco UCS Rack Servers—Cisco Prime Network Version 5.3

Topology Type	Link Type	“Product_Version”
Physical Layer	Physical Layer	PrimeNetwork-3.10-DP1303

Cisco UCS Rack Servers—Supported Modules

Table 5-7 Supported Modules for Cisco UCS Rack Servers—Cisco Prime Network Version 5.3

Module Name	“Product_Version”	Module Description
N2XX-ACPCI0	Prime Network 4.0	. Cisco UCS P81E Virtual Interface Card/ 2-port 10Gbps
N2XX-AIPCI01	Prime Network 4.0	Intel Dual Port 10 Gbe Ethernet - X520 Server Adapter
UCSC-PSU-650W	Prime Network 4.1	Power supply
UCS-CPU-E5-2650	Prime Network 4.1	Adapter
UCSC-PCIE-CSC-02	Prime Network 4.1	

Table 5-7 Supported Modules for Cisco UCS Rack Servers—Cisco Prime Network Version 5.3 (Continued)

Module Name	“Product _Version”	Module Description
INTEL I350 QUAD PORT 1GB ADAPTER	Prime Network 4.1	Intel i350 Quad Port 1Gb Adapter
SFP-10G-SR	Prime Network 4.1	SFP-10G-SR

Cisco UCS Rack Servers—Supported Technologies

The following technologies are supported by the Cisco UCS Rack Servers in Cisco Prime Network Version 5.3:

- [IP](#), page 5-12
- [Hardware](#), page 5-15
- [CDP](#), page 5-21
- [ComputeDataStore](#), page 5-22
- [HostServer](#), page 5-22
- [Hypervisor](#), page 5-24
- [HostServerProcessingDevice](#), page 5-24
- [HostServerComputeResource](#), page 5-25
- [HostCPUCapacityProvision](#), page 5-25
- [HostMemoryCapacityProvision](#), page 5-26
- [HostDiskCapacityProvision](#), page 5-26
- [HostServerComputeDataStoreUsage](#), page 5-27
- [VirtualMachine](#), page 5-27
- [VirtualMachineComputeResource](#), page 5-29
- [VMCPUCapacityAllocation](#), page 5-29
- [VMMemoryCapacityAllocation](#), page 5-30
- [VMDiskCapacityAllocation](#), page 5-31
- [VirtualMachineComputeDataStoreUsage](#), page 5-31
- [VirtualEntityNetworkEndPoint](#), page 5-32

Cisco UCS Rack Servers—Supported Service Events

Table 5-8 Supported Service Events for Cisco UCS Rack Servers—Cisco Prime Network Version 5.3

Event Name	“Product _Version”	Expedite d
Card Down	PrimeNet work-4.0	N
Card In	PrimeNet work-4.0	N
Card Out	PrimeNet work-4.0	N
Card Up	PrimeNet work-4.0	N
Chassis Connected	PrimeNet work-4.0	N
Chassis Disconnected	PrimeNet work-4.0	N
Interface Status Down/Up	PrimeNet work-4.0	N
Link Down	PrimeNet work-3.10 -DP1303	N
Link down due to admin down	PrimeNet work-3.10 -DP1303	N
Link down due to Card event	PrimeNet work-3.10 -DP1303	N
Link down due to oper down	PrimeNet work-3.10 -DP1303	N
Port Down	PrimeNet work-4.0	N
Port down due to admin	PrimeNet work-4.0	N
Port down due to Card down	PrimeNet work-4.0	N
Port down due to Card out	PrimeNet work-4.0	N
Port down due to oper	PrimeNet work-4.0	N
Power-supply down	PrimeNet work-4.0	N

Table 5-8 Supported Service Events for Cisco UCS Rack Servers—Cisco Prime Network Version 5.3

Event Name	“Product _Version”	Expedite d
Power-supply out	PrimeNet work-4.0	N

Supported Technologies on Cisco DataCenter

The following sections list the objects and attributes that are supported on Cisco datacenter in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP](#), page 5-12
- [Hardware](#), page 5-15
- [CDP](#), page 5-21
- [ComputeDataStore](#), page 5-22
- [HostServer](#), page 5-22
- [Hypervisor](#), page 5-24
- [HostServerProcessingDevice](#), page 5-24
- [HostServerComputeResource](#), page 5-25
- [HostCPUCapacityProvision](#), page 5-25
- [HostMemoryCapacityProvision](#), page 5-26
- [HostDiskCapacityProvision](#), page 5-26
- [HostServerComputeDataStoreUsage](#), page 5-27
- [VirtualMachine](#), page 5-27
- [VirtualMachineComputeResource](#), page 5-29
- [VMCPUCapacityAllocation](#), page 5-29
- [VMMemoryCapacityAllocation](#), page 5-30
- [VMDiskCapacityAllocation](#), page 5-31
- [VirtualMachineComputeDataStoreUsage](#), page 5-31
- [VirtualEntityNetworkEndPoint](#), page 5-32
- [FiberChannel](#), page 5-33
- [FiberChannelLinkAggregation](#), page 5-34
- [VSAN](#), page 5-35

IP

Table 5-9 IP Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—IIPInterface		
IP Address	Y	Y
Subnetwork Mask	Y	Y
IP Interface Addresses Array	Y	Y
Interface Name	Y	Y
Interface Description	Y	Y
IP Interface State	Y	Y
OSPF Interface Cost		
Broadcast Address		
MTU		
Lookup Method		
Address Resolution Type		
ARP Timeout		
Secured ARP		
ICMP Mask Reply		
IGMP Proxy		
HSRP Groups		
IP Multiplexing Table		
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—IIPMuxEntry		
Termination Point		
Destination IP Subnet		
IMO Name—IRoutingEntity		
Routing Table		
ARP Entity		
Routing Table Changes		
Name		
Logical Sons		

Table 5-9 IP Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
IMO Name—IRoutingEntry		
Destination IP Subnet		
Next Hop IP Address		
Type		
Routing Protocol Type		
Outgoing Interface Name		
IMO Name—IARPEntity		
ARP Table		
IMO Name—IARPEntity		
IP Address		
MAC Address		
Port		
Entry Type		
IMO Name—IIPPool		
IP Address Pool Entries		
Name		
Index		
IMO Name—IIPRangeBasedIPPoolEntry		
Start IP Address		
End IP Address		
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—IIPSubnetBasedIPPoolEntry		
IP Subnet		
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—HSRPGroupEntry		
Group Number		
Port Description		
Priority		
Coupled Router		

Table 5-9 IP Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
State		
Tracking Interfaces		
Virtual IP Address		
Virtual MAC Address		
IMO Name—I TunnelGRE		
Name		
Tunnel Destination and Source		
IP Address		
IP Interface State		
IANA Type		
Containing CTPs		
Contained CTPs		
Keep Alive Time		
Keep Alive Retry		
IMO Name—IVrrpGroupEntry		
Group Number		
State		
Port Description		
Master IP Address		
Primary IP Address		
Priority		
Virtual Mac Address		
Preempt Mode		
Admin State		
Advertisement Interval		
Tracking Interfaces		
IMO Name—IIPSLAResponderService		
responderStatus		
TWAMPResponderStatus		
tcpConnect		
udpEcho		
IMO Name—IIPAddressPortPair		
type		

Table 5-9 IP Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
ipAddress		
port		

Hardware

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—IChassis		
Description	Y	Y
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number (Soft property)	Y	Y
Configuration State (Soft property)	Y	Y
Operability (Soft property)	Y	Y
Power (Soft property)	Y	Y
Thermal (Soft property)	Y	Y
Name (Soft property)	Y	Y
PID (Soft property)	Y	Y
VID (Soft property)	Y	Y
Role (Soft property)	Y	Y
Status	Y	Y
OperState	Y	Y
AdminState	Y	Y
Discovery State	Y	Y
Model	Y	Y
Connection Path	Y	Y
AvailState	Y	Y
Admin Power	Y	Y

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
Assoc State	Y	Y
Oper Power	Y	Y
Connection Status	Y	Y
Managing Instance	Y	Y
No., of Processors	Y	Y
Low Voltage memory	Y	Y
Effective Memory	Y	Y
CheckPoint	Y	Y
Total Memory	Y	Y
Operating Memory Speed	Y	Y
Slot Status	Y	Y
Cores	Y	Y
Threads	Y	Y
No., of Adapters	Y	Y
No., of HBA ports	Y	Y
No., of NIC ports	Y	Y
UUID	Y	Y
IP Address (Soft property)	Y	Y
IMO Name—IShelf		
Description		
Status		
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number		
IMO Name—IModule		
Module Name	Y	Y
Module Description	Y	Y
Software Version	Y	Y
Operational Status	Y	Y
Hardware Type + Version	Y ¹	Y
Managed IP Address		
Redundant Equipment		

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
Configured Redundancy	Y	Y
Redundancy Status	Y	Y
Supported Physical Termination Points		
Serial Number (soft property)	Y	Y
Model	Y	Y
Operability	Y	Y
Integrated	Y	Y
Admin State(Soft property)	Y	Y
Discovery State(Soft property)	Y	Y
Power State (Soft property)	Y	Y
Slot ID (Soft property)	Y	Y
Chassis ID (Soft property)	Y	Y
Name (Soft property)	Y	Y
Description (Soft property)	Y	Y
PID (Soft property)	Y	Y
VID (Soft property)	Y	Y
Operating Memory Voltage(Soft property)	Y	Y
Avail State (Soft property)	Y	Y
Assoc State (Soft property)	Y	Y
Slot Status (Soft property)	Y	Y
Check Point (Soft property)	Y	Y
Number Of Processor (Soft property)	Y	Y
Effective Memory (Soft property)	Y	Y
Total Memory (Soft property)	Y	Y
Operating Memory Speed (Soft property)	Y	Y
Operating Memory Voltage (Soft property)	Y	Y
Slot Number (Soft property)	Y	Y
Part Number (Soft property)	Y	Y

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
Running Version (Soft property)	Y	Y
Package Version (Soft property)	Y	Y
Backup Version (Soft property)	Y	Y
Update Status (Soft property)	Y	Y
Startup Version (Soft property)	Y	Y
Activate Status (Soft property)	Y	Y
IMO Name—I Server		
Uuid		
Maximum Memory		
Effective Memory		
Ip Address		
Form Factor		
Operating System		
Hard Drive Properties		
MemorySlot Properties		
Processor		
Operating Memory Speed		
associatedHypervisor		
IMO Name—I HardDriveProperties		
Model Name		
Drive Type		
Storage Capacity		
Status		
isFRU		
IMO Name—I MemorySlotProperties		
Slot Name		
Location		
Speed		
Memory Capacity		
Status		
IMO Name—I Processor		
cpu		
coresperCpu		

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
Model		
Status		
Vendor		
ratedSpeed		
usedSpeed		
hyperThreadingEnabled		
ramSize		
nvRamSize		
name		
description		
IMO Name—IPowerSupply		
Same as IModule	Y	Y
IMO Name—IFanTray		
Same as IModule	Y	Y
IMO Name—IPluggableTransceiver		
ConnectorDescription		
PID		
ConnectorSerialNumber		
ConnectorType		
PluggablePortState		
PluggableType		
IMO Name—IManagedElement		
IP Address	Y	Y
Communication State	Y	Y
Investigation State	Y	Y
Element Category	Y	Y
Element Type and Key	Y	Y
Device Name	Y	Y
System Name	Y	Y
System Description	Y	Y
Up Since	Y	Y
Software Version	Y	Y
Vendor Identity	Y	Y

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
Memory and CPU Usage	²	
DRAM Free		
DRAM Used		
DRAM Usage		
Flash Device Size		
NVRAM Size		
Processor DRAM		
Sys Contact	Y	Y
Sys Location	Y	Y
Serial Number		
File Systems		
IMO Name—IContext		
Name		
Bounded Connections		
IP Address Pools		
Forwarding Components List		
Traffic Descriptors List		
Tunnel Containers List		
Data Link Aggregation Containers List		
IMO Name—ISystemService		
Type		
Status		
Up Time		
IMO Name—IBridge		
Bridge Table		
Type		
MAC Address		
IP Interface		
Name		
Logical Sons		
Vlan Type		
IMO Name—IBridgeEntry		
Destination MAC		

Table 5-10 Hardware Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)

Attribute	UCS 6120	UCS C-Series
Outgoing Interface		

¹Hardware Version is not supported

²CPU Usage only supported

CDP

Table 5-11 CDP Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—ICdpService		
cdpHoldtime	Y	Y
cdpMessageInterval	Y	Y
cdpDeviceId	Y	Y
cdpState	Y	Y
cdpVersion	Y	Y
IMO Name—ICdpNeighbor		
remoteDeviceId	Y	Y
remotePortId	Y	Y
remoteIPAddress	Y	Y
localPortId	Y	Y

ComputeDataStore

Table 5-12 ComputeDataStore Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—IComputeDataStore		
capacity	Y ¹	Y
freeSpace	Y ²	Y
storageLocation	Y ³	Y
isAccessible	Y ⁴	Y
associatedStorageDevice	Y ⁵	Y
virInfraParent	Y ⁶	Y
virInfraName	Y ⁷	Y
name	Y ⁸	Y
dataStoreDescription	Y ⁹	Y
storageType	Y ¹⁰	Y
UUID	Y ¹¹	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Not applicable starting from PN 5.1 release

HostServer

Table 5-13 HostServer Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—IHostServer		
faultToleranceVersion	Y ¹	Y
serverHardware	Y ²	Y
name	Y ³	Y
hostServerDescription	Y ⁴	Y
ipAddress	Y ⁵	Y
dnsName	Y ⁶	Y

Table 5-13 HostServer Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
communicationState	Y ⁷	Y
lifeCycleState	Y ⁸	Y
sysupTime	Y ⁹	Y
productSeries	Y ¹⁰	Y
productFamily	Y ¹¹	Y
productType	Y ¹²	Y
softwareType	Y ¹³	Y
softwareVersion	Y ¹⁴	Y
uuid	Y ¹⁵	Y
virInfraName	Y ¹⁶	Y
virtualDataCenterName	Y ¹⁷	Y
state	Y ¹⁸	Y
evcMode	Y ¹⁹	Y
isvMotionEnabled	Y ²⁰	Y
faultToleranceEnabled	Y ²¹	Y
moduleKey	Y ²²	Y
macAddress	²³	

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 Not applicable starting from PN 5.1 release

Hypervisor

Table 5-14 Hypervisor Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—IHypervisor		
description	Y ¹	Y
hypervisorType	Y ²	Y
bladeServer	Y ³	Y
softwareType	Y ⁴	Y
startTime	Y ⁵	Y
state	Y ⁶	Y
name	Y ⁷	Y

1, 2, 3, 4, 5, 6, 7 Not applicable starting from PN 5.1 release

HostServerProcessingDevice

Table 5-15 HostServerProcessingDevice Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
IMO Name—IHostServerProcessingDevice		
name	Y ¹	Y
description	Y ²	Y
cpu	Y ³	Y
coresPerCpu	Y ⁴	Y
ratedSpeed	Y ⁵	Y
usedSpeed	Y ⁶	Y
hyperThreadingEnabled	Y ⁷	Y
ramSize	Y ⁸	Y
nvRamSize	Y ⁹	Y

1, 2, 3, 4, 5, 6, 7, 8, 9 Not applicable starting from PN 5.1 release

HostServerComputeResource

Table 5-16 *HostServerComputeResource Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IHostServerComputeResource		
cpuUsage	Y ¹	Y
memoryUsage	Y ²	Y
diskUsage	Y ³	Y
activeGuestMemoryUsage	Y ⁴	Y
powerUsage	Y ⁵	Y
incomingBandwidthUsage	Y ⁶	Y
outgoingBandwidthUsage	Y ⁷	Y

1, 2, 3, 4, 5, 6, 7 Not applicable starting from PN 5.1 release

HostCPUCapacityProvision

Table 5-17 *HostCPUCapacityProvision Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IHostCPUCapacityProvision		
resourceType	Y ¹	Y
allocateTable	Y ²	Y
reserved	Y ³	Y
unallocated	Y ⁴	Y
overhead	Y ⁵	Y
isUnlimitedProvision	Y ⁶	Y
share	Y ⁷	Y
customShareWeight	Y ⁸	Y

1, 2, 3, 4, 5, 6, 7, 8 Not applicable starting from PN 5.1 release

HostMemoryCapacityProvision

Table 5-18 *HostMemoryCapacityProvision Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO		
Name—IHostMemoryCapacityProvision		
reourceType	Y ¹	Y
allocateTable	Y ²	Y
reserved	Y ³	Y
unallocated	Y ⁴	Y
overhead	Y ⁵	Y
isUnlimitedProvision	Y ⁶	Y
share	Y ⁷	Y
customShareWeight	Y ⁸	Y

1, 2, 3, 4, 5, 6, 7, 8 Not applicable starting from PN 5.1 release

HostDiskCapacityProvision

Table 5-19 *HostDiskCapacityProvision Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IHostDiskCapacityProvision		
reourceType	Y ¹	Y
allocateTable	Y ²	Y
reserved	Y ³	Y
unallocated	Y ⁴	Y
overhead	Y ⁵	Y
isUnlimitedProvision	Y ⁶	Y
share	Y ⁷	Y
customShareWeight	Y ⁸	Y

1, 2, 3, 4, 5, 6, 7, 8 Not applicable starting from PN 5.1 release

HostServerComputeDataStoreUsage

Table 5-20 *HostServerComputeDataStoreUsage Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IHostServerComputeDataStoreUsage		
dataStoreName	Y ¹	Y
associatedEntry	Y ²	Y
mountPoint	Y ³	Y
usedSpace	Y ⁴	Y
freeSpace	Y ⁵	Y
allocatedSpace	Y ⁶	Y

1, 2, 3, 4, 5, 6 Not applicable starting from PN 5.1 release

VirtualMachine

Table 5-21 *VirtualMachine Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IVirtualMachine		
name	Y ¹	Y
vmVersion	Y ²	Y
virtualCpu	Y ³	Y
vmTemplate	Y ⁴	Y
virtualMachineDescription	Y ⁵	Y
managementAddress	Y ⁶	Y
managementDomainName	Y ⁷	Y
communicationState	Y ⁸	Y

Table 5-21 VirtualMachine Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120	UCS C-Series
lifeCycleState	Y ⁹	Y
sysupTime	Y ¹⁰	Y
productSeries	Y ¹¹	Y
productFamily	Y ¹²	Y
productType	Y ¹³	Y
softwareType	Y ¹⁴	Y
softwareVersion	Y ¹⁵	Y
uuid	Y ¹⁶	Y
virInfraName	Y ¹⁷	Y
virInfraParent	Y ¹⁸	Y
minRequiredEVCMode	Y ¹⁹	Y
state	Y ²⁰	Y
macAddress	Y ²¹	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 Not applicable starting from PN 5.1 release

VirtualMachineComputeResource

Table 5-22 *VirtualMachineComputeResource Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IVirtualMachineComputeResource		
cpuUsage	Y ¹	Y
memoryUsage	Y ²	Y
diskUsage	Y ³	Y
activeGuestMemoryUsage	Y ⁴	Y
powerUsage	Y ⁵	Y
incomingBandwidthUsage	Y ⁶	Y
outgoingBandwidthUsage	Y ⁷	Y

1, 2, 3, 4, 5, 6, 7 Not applicable starting from PN 5.1 release

VMCPUCapacityAllocation

Table 5-23 *VMCPUCapacityAllocation Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IVMCPUCapacityAllocation		
resourceType	Y ¹	Y
startUpAllocation	Y ²	Y
guaranteedAllocation	Y ³	Y
maxAllocation	Y ⁴	Y
overheadAllocation	Y ⁵	Y
isUnlimitedMaxAllocation	Y ⁶	Y
isExpandableAllocation	Y ⁷	Y
share	Y ⁸	Y
customShareWeight	Y ⁹	Y

Table 5-23 *VMCPUCapacityAllocation Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)*

Attribute	UCS 6120	UCS C-Series
priority	Y ¹ 0	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Not applicable starting from PN 5.1 release

VMMemoryCapacityAllocation

Table 5-24 *VMMemoryCapacityAllocation Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO		
Name—IVMMemoryCapacityAllocation		
resourceType	Y ¹	Y
startupAllocation	Y ²	Y
guaranteedAllocation	Y ³	Y
maxAllocation	Y ⁴	Y
overheadAllocation	Y ⁵	Y
isUnlimitedMaxAllocation	Y ⁶	Y
isExpandableAllocation	Y ⁷	Y
share	Y ⁸	Y
customShareWeight	Y ⁹	Y
priority	Y ¹ 0	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Not applicable starting from PN 5.1 release

VMDiskCapacityAllocation

Table 5-25 *VMDiskCapacityAllocation Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—IVMDiskCapacityAllocation		
resourceType	Y ¹	Y
startupAllocation	Y ²	Y
guaranteedAllocation	Y ³	Y
maxAllocation	Y ⁴	Y
overheadAllocation	Y ⁵	Y
isUnlimitedMaxAllocation	Y ⁶	Y
isExpandableAllocation	Y ⁷	Y
share	Y ⁸	Y
customShareWeight	Y ⁹	Y
priority	Y ¹⁰	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Not applicable starting from PN 5.1 release

VirtualMachineComputeDataStoreUsage

Table 5-26 *VirtualMachineComputeDataStoreUsage Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO Name—VirtualMachineComputeDataStoreUsage		
dataStoreName	Y ¹	Y
associatedEntry	Y ²	Y
mountPoint	Y ³	Y
usedSpace	Y ⁴	Y
freeSpace	Y ⁵	Y

Table 5-26 *VirtualMachineComputeDataStoreUsage Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)*

Attribute	UCS 6120	UCS C-Series
allocatedSpace	Y ⁶	Y

1, 2, 3, 4, 5, 6 Not applicable starting from PN 5.1 release

VirtualEntityNetworkEndPoint

Table 5-27 *VirtualEntityNetworkEndPoint Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120	UCS C-Series
IMO		
Name—IVirtualEntityNetworkEndPoint		
virtualEntityName	Y ¹	Y
virInfraParent	Y ²	Y
virOwningEntityId	Y ³	Y
macAddress	Y ⁴	Y ⁵
operStatus	Y ⁶	Y
adminStatus	Y ⁷	Y
duplexMode	Y ⁸	Y
autoNegotiate	Y ⁹	Y
speed	Y ¹ ₀	Y
mtu	Y ¹ ₁	Y
vlanId	Y ¹ ₂	Y
vlanMode	Y ¹ ₃	Y
vSwitchPorId	Y ¹ ₄	Y
ipAddress	Y ¹ ₅	Y

Table 5-27 *VirtualEntityNetworkEndPoint Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3 (Continued)*

Attribute	UCS 6120	UCS C-Series
secondaryAddress	Y ¹ ₆	Y
computeResourceDescription	Y ¹ ₇	Y
dnsName	Y ¹ ₈	Y
portGroup	Y ¹ ₉	Y
promiscuousMode	Y ² ₀	Y
runtimeMacAddress	Y ² ₁	Y
endPointType	Y ² ₂	Y
physicalTerminationPoint	Y ² ₃	Y
name	Y	

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 Not applicable starting from PN 5.1 release

FiberChannel

Table 5-28 *FiberChannel Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3*

Attribute	UCS 6120
IMO Name—IFiberChannel	
FcName	
PortDescription	Y
FcID	Y
TxB2BCredit	Y
RxB2BCredit	Y
AdminStatus	Y
OperStatus	Y

Table 5-28 FiberChannel Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120
PortWWN	Y
IMO Name—IFiberChannelDomain	
DomainID	Y
OperStatusOfDomain	Y
RunningPriority	Y
LocalSwitchWWN	Y
RunningFabricName	
IMO Name—IFiberChannelDatabaseEntry	
LocalfcName	Y
LocalFcConnectedInterface	Y
LocalPortWWN	Y
RemotePortWWN	Y
RemoteNodeWWN	Y
RemotePermanentPortWWN	Y
RemoteNodeIPAddress	Y
RemotePortName	Y
RemoteNodeName	Y
Fc4types	Y

FiberChannelLinkAggregation

Table 5-29 FiberChannelLinkAggregation Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120
IMO Name—IFiberChannelLinkAggregation	
ChannelID	Y
ChannelDescription	Y
AdminStatus	Y
OperStatus	Y

VSAN

Table 5-30 VSAN Attribute Support on Cisco DataCenter—Cisco Prime Network Version 5.3

Attribute	UCS 6120
IMO Name—IVSan	
VsanID	Y
Name	Y
AdminStatus	Y
OperStatus	Y
LoadbalancingType	Y
InterOperMode	Y
AssociatedVlan	Y
IMO Name—IVSanInterface	
Name	Y
AdminStatus	Y
OperStatus	Y
LoadbalancingType	Y
TrunkOperMode	Y
TrunkAdminMode	Y
AllowedVsans	Y
AdminPortMode	Y
OperPortMode	Y
VirtualInterface	Y
NativeVsan	Y
FiberChannel	Y
IMO Name—IVSanContainer	
VSans	Y



Support Information for Cisco Optical Transport

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 3.8 Reference Guide](#).

This chapter contains the following topics:

- [Cisco Carrier Packet Transport 50 Series Devices, page 6-1](#)
- [Supported Technologies on Cisco Optical Transport, page 6-10](#)

Cisco Carrier Packet Transport 50 Series Devices

This section includes the following information about Cisco CPT 50 Devices optical transport (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Carrier Packet Transport 50 Series Devices](#)):

This section contains the following topics:

- [Cisco CPT 50 Devices—Supported Software Versions, page 6-1](#)
- [Cisco CPT 50 Devices—Supported Topologies, page 6-2](#)
- [Cisco CPT 50 Devices—Supported Modules, page 6-3](#)
- [Cisco CPT 50 Devices—Supported Technologies, page 6-4](#)
- [Cisco CPT 50 Devices—Supported Service Events, page 6-5](#)

Cisco CPT 50 Devices—Supported Software Versions

Table 6-1 Supported Software Versions for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Software Version	Product Version
Image 15.2(2)SA	Prime Network 4.1

Table 6-1 Supported Software Versions for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Software Version	Product Version
9.7.0.64	Prime Network 4.3.2-DP1611

Cisco CPT 50 Devices—Supported Topologies

Table 6-2 Supported Topologies for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	Prime Network 4.1
Ethernet	Ethernet	Prime Network 4.1
LAG	LAG	Prime Network 4.1
MPLS	MPLS	Prime Network 4.1
MPLS-TE Tunnel	MPLS-TE	Prime Network 4.1
MPLS-TP Tunnel	MPLS-TP	Prime Network 4.1
Physical Layer	Physical Layer	Prime Network 4.1
PWE3 (Martini)	Tunnel	Prime Network 4.1
L2 Fabric	L2 Fabric Link	4.2

Cisco CPT 50 Devices—Supported Modules

Table 6-3 Supported Modules for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ONS-XC-10G-S1	3.8	
ONS-SE+-10G-LR	3.8	SFP+ LR - EXT Temp
ONS-SC+-10G-LRM	3.8	SFP+ LRM - Commercial Temp
ONS-SI-GE-EX	3.8	SFP - 100Base EX - I-Temp
ONS-SC-GE-BXU	3.8	SFP-1000Base BX D- GE Bidirectional Downstream C Temp
ONS-SC-GE-BXD	3.8	SFP-1000Base BX D- GE Bidirectional Upstream C Temp
ONS-SC+-10G-ZR	3.8	SFP+ ZR - Commercial Temp
ONS-SC-E1-T1-CES	3.8	SFP - E1/DS1 PDH over FE Pseudowire (w / sync-E) - C-Temp
ONS-SC-E3-T3-CES	3.8	SFP ñ E3/DS3 PDH over FE Pseudowire (w / sync-E) - C-Temp
ONS-SC+-10G-30.3	3.8	10G MR, SFP+ 1530.33, 100 GHz, LC
ONS-SC+-10G-31.1	3.8	10G MR, SFP+ 1531.12, 100 GHz, LC
ONS-SC+-10G-31.9	3.8	10G MR, SFP+ 1531.90, 100 GHz, LC
ONS-SC+-10G-32.6	3.8	10G MR, SFP+ 1532.68, 100 GHz, LC
ONS-SC+-10G-33.4	3.8	10G MR, SFP+ 1533.47, 100 GHz, LC
ONS-SC+-10G-34.2	3.8	10G MR, SFP+ 1534.25, 100 GHz, LC
ONS-SC+-10G-35.0	3.8	10G MR, SFP+ 1535.04, 100 GHz, LC
ONS-SC+-10G-35.8	3.8	10G MR, SFP+ 1535.82, 100 GHz, LC
ONS-SC+-10G-36.6	3.8	10G MR, SFP+ 1536.61, 100 GHz, LC
ONS-SC+-10G-37.4	3.8	10G MR, SFP+ 1537.40, 100 GHz, LC
ONS-SC+-10G-38.1	3.8	10G MR, SFP+ 1538.19, 100 GHz, LC
ONS-SC+-10G-38.9	3.8	10G MR, SFP+ 1538.98, 100 GHz, LC
ONS-SC+-10G-39.7	3.8	10G MR, SFP+ 1539.77, 100 GHz, LC
ONS-SC+-10G-40.5	3.8	10G MR, SFP+ 1540.56, 100 GHz, LC
ONS-SC+-10G-41.3	3.8	10G MR, SFP+ 1541.35, 100 GHz, LC
ONS-SC+-10G-42.1	3.8	10G MR, SFP+ 1542.14, 100 GHz, LC
ONS-SC+-10G-42.9	3.8	10G MR, SFP+ 1542.94, 100 GHz, LC
ONS-SC+-10G-43.7	3.8	10G MR, SFP+ 1543.73, 100 GHz, LC
ONS-SC+-10G-44.5	3.8	10G MR, SFP+ 1544.53, 100 GHz, LC
ONS-SC+-10G-45.3	3.8	10G MR, SFP+ 1545.32, 100 GHz, LC
ONS-SC+-10G-46.1	3.8	10G MR, SFP+ 1546.12, 100 GHz, LC

Table 6-3 Supported Modules for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
ONS-SC+-10G-46.9	3.8	10G MR, SFP+ 1546.92, 100 GHz, LC
ONS-SC+-10G-47.7	3.8	10G MR, SFP+ 1547.72, 100 GHz, LC
ONS-SC+-10G-48.5	3.8	10G MR, SFP+ 1548.51, 100 GHz, LC
ONS-SC+-10G-49.3	3.8	10G MR, SFP+ 1549.32, 100 GHz, LC
ONS-SC+-10G-50.1	3.8	10G MR, SFP+ 1550.12, 100 GHz, LC
ONS-SC+-10G-50.9	3.8	10G MR, SFP+ 1550.92, 100 GHz, LC
ONS-SC+-10G-51.7	3.8	10G MR, SFP+ 1551.72, 100 GHz, LC
ONS-SC+-10G-52.5	3.8	10G MR, SFP+ 1552.52, 100 GHz, LC
ONS-SC+-10G-53.3	3.8	10G MR, SFP+ 1553.33, 100 GHz, LC
ONS-SC+-10G-54.1	3.8	10G MR, SFP+ 1554.13, 100 GHz, LC
ONS-SC+-10G-54.9	3.8	10G MR, SFP+ 1554.94, 100 GHz, LC
ONS-SC+-10G-55.7	3.8	10G MR, SFP+ 1555.75, 100 GHz, LC
ONS-SC+-10G-56.5	3.8	10G MR, SFP+ 1556.55, 100 GHz, LC
ONS-SC+-10G-57.3	3.8	10G MR, SFP+ 1557.36, 100 GHz, LC
ONS-SC+-10G-58.1	3.8	10G MR, SFP+ 1558.17, 100 GHz, LC
ONS-SC+-10G-58.9	3.8	10G MR, SFP+ 1558.98, 100 GHz, LC
ONS-SC+-10G-59.7	3.8	10G MR, SFP+ 1559.79, 100 GHz, LC
ONS-SC+-10G-60.6	3.8	10G MR, SFP+ 1560.61, 100 GHz, LC
ONS-SC+-10G-61.4	3.8	10G MR, SFP+ 1561.43, 100 GHz, LC
ONS-SC-GE-LX	Prime Network 4.1	SFP - 100Base LX - I-Temp

Cisco CPT 50 Devices—Supported Technologies

The following technologies are supported by the Cisco CPT 50 Devices in Cisco Prime Network Version 5.3:

- [IP, page 6-11](#)
- [Routing Protocols, page 6-14](#)
- [Ethernet, page 6-16](#)
- [TDM/DSx, page 6-24](#)
- [MPLS, page 6-28](#)
- [MPLS-TE, page 6-29](#)
- [MPLS-TP, page 6-31](#)
- [PWE3, page 6-33](#)
- [Security, page 6-34](#)

- [Hardware](#), page 6-35
- [Port](#), page 6-52
- [LocalSwitching](#), page 6-43
- [BFD](#), page 6-44
- [Carrier Ethernet](#), page 6-45
- [CDP](#), page 6-46
- [Ethernet OAM](#), page 6-47

Cisco CPT 50 Devices—Supported Service Events

Table 6-4 Supported Service Events for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BFD Connectivity Down	Prime Network 4.1	N
BFD Connectivity Up	Prime Network 4.1	N
BFD Neighbor Loss	Prime Network 4.1	N
BFD Neighbor Found	Prime Network 4.1	N
CFM Domain Aggregation Down	Prime Network 4.1	N
CFM Domain Aggregation Up	Prime Network 4.1	N
CPU Overutilized	Prime Network 4.1	N
CPU Normal Utilization	Prime Network 4.1	N
Device Unsupported	Prime Network 4.1	N
Device Initializing	Prime Network 4.1	N

Table 6-4 Supported Service Events for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Discard Packets	Prime Network 4.1	N
EFP Admin Down	Prime Network 4.1	N
EFP Down Due to Error Disabled	Prime Network 4.1	N
EFP Oper Down	Prime Network 4.1	N
EFP Up	Prime Network 4.1	N
Fan-Tray Down	Prime Network 4.1	N
Fan Down	Prime Network 4.1	N
Fan-Tray Up	Prime Network 4.1	N
Fan-Tray Out	Prime Network 4.1	N
Fan-Tray In	Prime Network 4.1	N
Fan Out	Prime Network 4.1	N
Interface Status Down Connection	Prime Network 4.1	N
Interface Status Up	Prime Network 4.1	N
Lag Admin Down	Prime Network 4.1	N

Table 6-4 Supported Service Events for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Lag Oper Down	Prime Network 4.1	N
Lag Up	Prime Network 4.1	N
Lag Link Admin Down	Prime Network 4.1	N
Lag Link Oper Down	Prime Network 4.1	N
Lag Link Down on Unreachable	Prime Network 4.1	N
Lag Link Up	Prime Network 4.1	N
Layer 2 Tunnel Down	Prime Network 4.1	N
Layer 2 Tunnel Up	Prime Network 4.1	N
LDP Neighbor Down	Prime Network 4.1	N
LDP Neighbor Up	Prime Network 4.1	N
Link Down Due to Admin Down	Prime Network 4.1	N
Link Down Due to Oper Down	Prime Network 4.1	N
Link Down on Unreachable	Prime Network 4.1	N
Link Up	Prime Network 4.1	N

Table 6-4 Supported Service Events for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Log Archive is Disabled on the Device	Prime Network 4.1	N
Log Archive is Enabled on the Device	Prime Network 4.1	N
Local Switching Entry Down	Prime Network 4.1	N
Local Switching Entry Up	Prime Network 4.1	N
LSP Down	Prime Network 4.1	N
LSP Up	Prime Network 4.1	N
MPLS TP Bandwidth Mismatch	Prime Network 4.1	N
MPLS TP bandwidth mismatch cleared	Prime Network 4.1	N
MPLS Interface Added	Prime Network 4.1	N
MPLS Interface Removed	Prime Network 4.1	N
MPLS TE FRR State Changed to Active	Prime Network 4.1	N
MPLS TE FRR State Changed to Ready	Prime Network 4.1	N
MPLS TE Tunnel Down	Prime Network 4.1	N
MPLS TE Tunnel Reoptimized	Prime Network 4.1	N

Table 6-4 Supported Service Events for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
MPLS TE Tunnel Rerouted	Prime Network 4.1	N
MPLS TE Tunnel Up	Prime Network 4.1	N
TP Tunnel Down Due to Admin Down	Prime Network 4.1	N
TP Tunnel Down Due to Oper Down	Prime Network 4.1	N
TP Tunnel Up	Prime Network 4.1	N
OSPF Neighbor Down	Prime Network 4.1	N
OSPF Neighbor Up	Prime Network 4.1	N
Port Down Due to Admin	Prime Network 4.1	N
Port Down Due to Oper	Prime Network 4.1	N
Port Up	Prime Network 4.1	N
Power Supply Down	Prime Network 4.1	N
Power Supply Up	Prime Network 4.1	N
Power Supply Out	Prime Network 4.1	N
Power Supply In	Prime Network 4.1	N

Table 6-4 Supported Service Events for Cisco CPT 50 Devices—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Pluggable Transceiver In	Prime Network 4.1	N
Pluggable Transceiver Out	Prime Network 4.1	N
REP Port Role Failed	Prime Network 4.1	Y
REP Port Role Ok	Prime Network 4.1	Y
VSI Oper Down	Prime Network 4.1	N
VSI Admin Down	Prime Network 4.1	N
VSI Up	Prime Network 4.1	N

Supported Technologies on Cisco Optical Transport

The following sections list the objects and attributes that are supported on Cisco optical transport in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 6-11](#)
- [Routing Protocols, page 6-14](#)
- [Ethernet, page 6-16](#)
- [TDM/DSx, page 6-24](#)
- [MPLS, page 6-28](#)
- [MPLS-TE, page 6-29](#)
- [MPLS-TP, page 6-31](#)
- [PWE3, page 6-33](#)
- [Security, page 6-34](#)
- [Hardware, page 6-35](#)
- [Serial, page 6-42](#)
- [LocalSwitching, page 6-43](#)

- BFD, page 6-44
- Carrier Ethernet, page 6-45
- CDP, page 6-46
- Discovery Protocol, page 6-46
- Ethernet OAM, page 6-47
- QoS, page 6-50
- Port, page 6-52

IP

Table 6-5 IP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IIPInterface		
IP Address	Y	Y
Subnetwork Mask	Y	Y
IP Interface Addresses Array	Y	Y
Interface Name	Y	Y
Interface Description	Y	Y
IP Interface State	Y	Y
OSPF Interface Cost		
Broadcast Address		
MTU		
Lookup Method		
Address Resolution Type		
ARP Timeout		
Secured ARP		
ICMP Mask Reply		
IGMP Proxy		
HSRP Groups		
IP Multiplexing Table		
IANAType		
Containing CTPs		
Contained CTPs		
IMO Name—IIPMuxEntry		
Termination Point		
Destination IP Subnet		

Table 6-5 IP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3 (Continued)

Attribute	CPT	CPT50
IMO Name—IRoutingEntity		
Routing Table	Y	Y
ARP Entity	Y	Y
Routing Table Changes		
Name	Y	Y
Logical Sons	Y	Y
Multicast Routing Table		
IMO Name—IRoutingEntry		
Destination IP Subnet	Y	Y
Next Hop IP Address	Y	Y
Type	Y	Y
Routing Protocol Type	Y	Y
Outgoing Interface Name	Y	Y
IMO Name—IARPEntity		
ARP Table	Y	Y
IMO Name—IARPEntity		
IP Address	Y	Y
MAC Address	Y	Y
Port	Y	Y
Entry Type	Y	Y
IMO Name—IIPPool		
IP Address Pool Entries		
Name		
IMO Name—IIPPoolEntry		
Free Address		
Reserved Address		
Address In Use		
Group Name		
Pool Type		
Status		
Priority		
VRF Oid		
IMO Name—IIPRangeBasedIPPoolEntry		
Range Start		
Range End		

Table 6-5 IP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3 (Continued)

Attribute	CPT	CPT50
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—IIPSubnetBasedIPPoolEntry		
IP Subnet		
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—HSRPGroupEntry		
Group Number		
Port Description		
Priority		
Coupled Router		
State		
Tracking Interfaces		
Virtual IP Address		
Virtual MAC Address		
IMO Name—ITunnelGRE		
Name		
Tunnel Destination and Source		
IP Address		
IP Interface State		
IANA Type		
Containing CTPs		
Contained CTPs		
Keep Alive Time		
Keep Alive Retry		
IMO Name—IVrrpGroupEntry		
Group Number		
State		
Port Description		
Master IP Address		
Primary IP Address		
Priority		
Virtual Mac Address		

Table 6-5 IP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3 (Continued)

Attribute	CPT	CPT50
Preempt Mode		
Admin State		
Advertisement Interval		
Tracking Interfaces		
IMO Name—IIPSLAResponderService		
responderStatus		
TWAMPResponderStatus		
tcpConnect		
udpEcho		
IMO Name—IIPAddressPortPair		
type		
ipAddress		
port		

Routing Protocols

Table 6-6 Routing Protocols Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IBgpNeighborEntry		
Remote Identifier		
Neighbor Type		
Distributing Interfaces		
Remote Address		
Remote Autonomous System		
Peer State		
Peer AdminState		
Hold Time		
Keep Alive Time		
VrfName		
Address family		
IMO Name—IOspfEntry		
Area Identifier		

Table 6-6 Routing Protocols Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3 (Continued)

Attribute	CPT	CPT50
IP Address		
Type		
Administrative Status		
Ospf Entry State		
IMO Name—IospfProcess		
Process Id	Y	Y
OSPF Version	Y	Y
Router Id	Y	Y
IMO Name—IospfNeighbor		
Neighbor Id	Y	Y
Outgoing Interface	Y	Y
State	Y	Y
Neighbor Interface Address	Y	Y
Area Id	Y	Y
IMO Name—IospfInterface		
Area Id	Y	Y
Network Type	Y	Y
Cost	Y	Y
State	Y	Y
Interface Address	Y	Y
Type	Y	Y
IF Priority	Y	Y
DR Id	Y	Y
BDR Id	Y	Y
IMO Name—ISpfTimers		
Schedule Delay	Y	Y
Min Hold Time	Y	Y
Max Wait Time	Y	Y
IMO Name—IISISProcess		
ISIS Version		
Manual Area Address		
IS Type		
System Id		
Process Id		

Table 6-6 Routing Protocols Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3 (Continued)

Attribute	CPT	CPT50
IMO Name—IISISMetric		
IS Type		
Metric Style		
Metric Value		
Address Family		
IMO Name—IISISInterface		
Interface Name		
IMO Name—IISISNeighbor		
IS Type		
System Id		
Admin State		
Hold Time		
SNPA		
Interface Name		
IP Address		
Address Family		

Ethernet

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—ILinkAggregationGroup802dot3ad		
dot3adAggMACAddress	Y	Y
dot3adAggActorSystemPriority	Y	Y
dot3adAggActorSystemID	Y	Y
dot3adAggActorAdminKey	Y	Y
dot3adAggActorOperKey	Y	Y
dot3adAggPartnerSystemID	Y	Y
dot3adAggPartnerSystemPriority	Y	Y
dot3adAggPartnerOperKey	Y	Y
dot3adAggCollectorMaxDelay	Y	Y

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
GroupNumber	Y	Y
AggregationProtocolType	Y	Y
MacAddress	Y	Y
ChannelAdminStatus	Y	Y
ChannelOperStatus	Y	Y
lagLoadBalancingType		
bandWidth		
LinkType		
IMO Name—IEthernet		
MAC Address	Y	Y
Duplex Mode		
Output Flow Control		
Input Flow Control		
IANA Type		
Containing CTPs		
Contained CTPs		
Port Type	Y	Y
isElmiEnabled	Y	Y
isLOAMEnabled		
AutoNegotiate		
FCID (Soft Property)		
WWN (Soft Property)		
FlowControl		
IMO Name—IVlanInterface		
Mode		
Native VLAN Identification		
Virtual LAN Table		
IANA Type		
Containing CTPs		
Contained CTPs		
vlanAdminType		
vlanencapType		
getAccess		
Allowed Vlans		

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IVlanEncapMux		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
discoveryProtocols		
ingressPolicy		
egressPolicy		
controlPolicy		
type		
ID		
egressSpeed		
ingressSpeed		
IMO Name—IVlanMapping		
direction		
vlanMatchCriteria		
vlanRewriteDefinition		
Drop		
Vlan		
innerVlan		
translatedVlan		
translatedInnerVlan		
IMO Name—IClientBridgeEfp		
efpId		
interfaceName		
translatedInnerVLAN		
vlan		
innerVlan		
operationalState		
administrativeState		
translatedVlan		
RewriteDefinition		
VlanMatchCriteria		
IMO Name—IIEEE802		
VLAN Identification		
Binding Information		

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Binding Status		
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—IStpService		
StpProtocol		
StpMaxAge		
StpHelloTime		
StpBridgeForwardDelay		
StpInstanceInfoTable		
Same as ISystemService		
StpUplinkFastState		
StpBackboneFastState		
StpForwardDelay		
StpBridgeMaxAge		
StpBridgeHelloTime		
IMO Name—IMstService		
MstProperties		
Same as IStpService		
IMO Name—IPvstpService		
UpLinkFast		
BackboneFast		
IMO Name—IMstProperties		
MstForceVersion		
MstCfgIdFmtSel		
MstExternalRootCost		
MstMaxInstances		
MstCfgIdName		
MstCfgIdRevLevel		
IMO Name—IStpInstanceInfo		
Object Identification		
StpBridgeId		
BridgePriority		
Designated Parent and Root Bridges		

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
StpRootCost		
IsRoot		
StpRootPort		
StpPortInfoTable		
STP Instance Id		
Vlan Id		
StpDesignatedBridge		
StpDesignatedRoot		
IMO Name—IMstInstanceInfo		
MstVlanIds		
Same as IStpInstanceInfo		
IMO Name—IPvstpInstanceInfo		
Protocol Type		
StpBridgeMaxAge		
StpBridgeHelloTime		
StpBridgeForwardDelay		
StpProtocolSpecification		
StpVlanId		
StpForwardDelay		
StpMaxAge		
IMO Name—IRstpInstanceInfo		
StpForceVersion		
Same as IStpInstanceInfo		
IMO Name—IStpPortInfo		
StpPort		
StpPortPriority		
StpPortState		
StpPortPathCost		
StpPortEdgePort		
StpPortPointToPoint		
StpPortRole		
StpDesignatedPortIdentifier		
StpDesignatedBridge		
StpPortIdentifier		
StpPortBpduGuardState		

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
StpPortBpduFilterState		
IMO Name—IMstPortInfo		
MstPortHelloTime		
Same as IStpPortInfo		
IMO Name—IPvstpPortInfo		
PvstpPortFastState		
IMO Name—IEthernetChannel		
Group Number		
Bandwidth		
Aggregation Protocol		
IANA Type		
Containing CTPs		
Contained CTPs		
Mac Address		
Admin Status		
Oper Status		
IMO Name—ITokenRingLayer2		
MAC Address		
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—ITokenRingLayer1		
Same as IPhysicalLayer		
IMO Name—IVtpService		
Version		
OperatingMode		
DomainName		
ConfigurationRevision		
isPruningEnabled		
isAuthenticationEnabled		
IMO Name—IREPSservice		
version	Y	Y
administrativeVlan	Y	Y
notificationEnabled	Y	Y

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IREPSegmentInfo		
segmentId	Y	Y
segmentComplete	Y	Y
IMO Name—IREPPortInfo		
portName	Y	Y
portKey	Y	Y
segmentId	Y	Y
portType	Y	Y
portRole	Y	Y
operStatus	Y	Y
blockedVlans	Y	Y
preemptTimer	Y	Y
IslAgeoutTimer	Y	Y
remoteDeviceName	Y	Y
remoteDeviceMac	Y	Y
remotePortName	Y	Y
configuredLoadBalancingBlockedVlans	Y	Y
IMO Name—IBridgeLan		
Id		
IMO Name—IIBBridgeEntry		
IS Id		
IBridge		
BBridge		
IMO Name—IEfp		
egressSpeed		
ingressSpeed		
IMO Name—IG8032Service		
profileContainer		
ringContainer		
IMO Name—IG8032ProfileContainer		
g8032Profiles		
IMO Name—G8032RingContainer		
rings		
chassisNodeId		
tcnPropagate		

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IG8032Profile		
profileName		
wtrInterval		
guardInterval		
holdOffTimer		
modeType		
IMO Name—IG8032Ring		
instances		
ringName		
ringType		
excludedVlanIDs		
iG8032RingPortsEntry		
IMO Name—IG8032RingPortsEntry		
portNumber		
localPort		
monitorInterface		
blockedVlanIDs		
unblockedVlanIDs		
IMO Name—IG8032Instance		
id		
instanceDescription		
profile		
includedVlanIDs		
rplPortRole		
apsChannelLevel		
port0ApsChannel		
port1ApsChannel		
g8032ConfigurationState		
nodeType		
nodeState		
port0State		
port1State		
IMO Name—IG8032ConfigurationState		
configState		
unresolvedReason		

Table 6-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IBridge		
Bridge Table		
Type	Y	
MAC Address		
IP Interface		
Name	Y	
Logical Sons	Y	
Vlan Type	Y	
IMO Name—IBridgeEntry		
Destination MAC		
Outgoing Interface		

TDM/DSx

Table 6-8 TDM/DSx Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IDS0Bundle		
Bundled Time Slots		
Bundle Location		
IANA Type		
Containing CTPs		
Contained CTPs		
AdminStatus		
OperStatus		
Encapsulation		
Id		
IMO Name—IDS1Pdh / IDS3Pdh		
Framing Type		
Cell Mapping Type		
Loopback Type		
Scrambling Mode		
Same as IPhysicalLayer		
portDescription		

Table 6-8 TDM/DSx Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
internationalBit		
nationalBits		
framing		
lineCode		
cableLength		
recoveredClockingId		
clocking		
loopback		
alarmState		
IMO Name—IClockService		
ActiveClockSource	Y	Y
NcsMode	Y	Y
HoldTimeout	Y	Y
UseStratum4	Y	Y
Mode		
NcsPriorityList		
PtpService		
ClockSourceTable		
PseudowireClockRecovery		
SynchronousEthernet	Y	Y
IMO Name—IClockSource		
Priority		
Source		
Status	Y	Y
Type	Y	Y
IMO Name—IPtpService		
Mode		
ClockId		
Domain		
Priority1		
Priority2		
PtpEnabled		
PtpInterfaceList		
ptpState		

Table 6-8 TDM/DSx Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IPtpInterface		
Version		
AnnounceInterval		
AnnounceTimeout		
DestinationAddress		
SourceAddress		
DelayReq		
MasterMode		
SlaveMode		
SyncInterval		
SyncLimit		
InterfaceXid		
Role		
Transport		
State		
IMO Name—IACRService		
RecoveredClockSource		
RecoveredClockMode		
CemInterface		
RecoveredClockList		
IMO Name—IRecoveredClock		
ClockId		
RecoveredClockMode		
Port		
Cem		
Status		
FrequencyOffset		
CEMGroupId		
CEMInterfaceName		
TransferType		
IMO Name—ICEMEncap		
cemIfName		
IMO Name—ICEMGroup		
IdlePattern		
IdleCAS		

Table 6-8 TDM/DSx Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
DeJitter		
PayloadSize		
RTP		
RTPHeader		
TimeSlots		
AdminStatus		
OperStatus		
IMO Name—ISyncE		
synchronousMode	Y	Y
equipmentClock	Y	Y
clockMode	Y	Y
ssmOption	Y	Y
esmcMode	Y	Y
holdOffTimer	Y	Y
waitToRestore	Y	Y
Revertive	Y	Y
IMO Name—ISyncEInterface		
InterfaceName		
selectionInput	Y	
ingressESMCMODE	Y	
egressESMCMODE	Y	
ingressQLMODE	Y	
ingressQuality	Y	
egressQLMODE	Y	
egressQuality	Y	
waitToRestore	Y	
holdOffTimer	Y	
ingressConfQuality	Y	
egressConfQuality	Y	
Priority	Y	
ingressSSM	Y	
egressSSM	Y	
clockModeStr	Y	

MPLS

Table 6-9 MPLS Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IMpls		
Distribution Protocol	Y	Y
LabelStack		
TopLabel		
Outer and Inner Labels		
Traffic Engineering Properties	Y	Y
Resource reservation Properties		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
IMO Name—ILse		
MPLS Table	Y	Y
MPLS Aggregate Table	Y	Y
MPLS Tunnel Segments	Y	Y
LDP Service	Y	Y
Logical Sons	Y	Y
IMO Name—ILdpService		
Local Identification Status	Y	Y
LDP Peers	Y	Y
IMO Name—ILdpPeer		
Peer Identification	Y	Y
Transport Address	Y	Y
Distribution Method	Y	Y
Protocol Type	Y	Y
Path Vector Limit	Y	Y
Session Status	Y	Y
Protocol Version Hold Time		
Hold Time	Y	Y
Keep Alive Time		
Peer Discovery Sources	Y	Y
IMO Name—ILdpDiscoverySource		
Interface Name	Y	Y
Source Address	Y	Y

Table 6-9 MPLS Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Type	Y	Y
IMO Name—IMplsEntry		
Incoming Label	Y	Y
Outgoing Interface and Label	Y	Y
Switching Action	Y	Y
Next Hop IP Address	Y	Y
Destination Mask	Y	Y
Destination address	Y	Y
IMO Name—IMplsAggregateEntry		
Virtual Routing Entity	Y	Y
Incoming Label	Y	Y
Outgoing Interface and Label	Y	Y
Switching Action	Y	Y
Next Hop IP Address	Y	Y
IMO Name—IMplsLabelRange		
Type	Y	Y
minValue	Y	Y
MaxValue	Y	Y

MPLS-TE

Table 6-10 MPLS-TE Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IMplsTETunnel		
Destination Address	Y	Y
Outgoing Interface and Label	Y	Y
LSP Identification	Y	Y
Requested Bandwidth	Y	Y
Measured Average Burst and Peak Bandwidth	Y	Y
Setup and Hold Priority	Y	Y
Affinity Bits and Mask	Y	Y
Automatic Route Announcement Status	Y	Y

Table 6-10 MPLS-TE Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Optimization Lock Down Status	Y	Y
Path Option	Y	Y
Name	Y	Y
Description	Y	Y
Administrative Status	Y	Y
Operational Status	Y	Y
IANA Type	Y	Y
is FRR Enabled	Y	Y
TunnelType	Y	Y
DestinationAddress	Y	Y
Sub Lsp Status	Y	Y
OutInterface	Y	Y
OutLabel	Y	Y
TunnelAffinity	Y	Y
TunnelAffinityMask	Y	Y
TunnelAutoRoute	Y	Y
TunnelBandwidthKbps	Y	Y
TunnelAverageRateKbps	Y	Y
TunnelBurstKbps	Y	Y
TunnelPeakRateKbps	Y	Y
TunnelSetupPriority	Y	Y
TunnelHoldPriority	Y	Y
TunnelLockdown	Y	Y
TunnelPolicyClass		
P2MPDestinations	Y	Y
IMO Name—IMplsTEProperties		
Administrative Weight	Y	Y
Attributes Identifier		
Signaling Protocol	Y	Y
Available Physical and Reservable Bandwidth	Y	Y
Reserved Bandwidth	Y	Y
IMO Name—IMplsTEPropertiesAllocationEntry		
Priority Level		

Table 6-10 MPLS-TE Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Allocated and Cumulative Bandwidth		
IMO Name—IMplsTESegment		
Segment Type	Y	Y
Measured Average Burst and Peak Bandwidth	Y	Y
LSP Identification	Y	Y
Name	Y	Y
FRR Tunnel Name		
FRR Tunnel State		
Average Bandwidth	Y	Y
In Interface	Y	Y
Out interface	Y	Y
In Label	Y	Y
Out Label	Y	Y
Source address	Y	Y
Destination address	Y	Y
Tunnel Type	Y	Y

MPLS-TP

Table 6-11 MPLS-TP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IMPLSTPGlobal		
icc	Y	Y
globalId	Y	Y
protectionMode	Y	Y
redundancyMode	Y	Y
routerId	Y	Y
tpEnabledLinks	Y	Y
lspEndpoints	Y	Y
lspMidpoints	Y	Y
mplsTpTunnelEps	Y	Y

Table 6-11 MPLS-TP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IMPLSTPTunnelEP		
tunnelId	Y	Y
remoteTunnelId	Y	Y
globalId	Y	Y
destGlobalId	Y	Y
localInfo	Y	Y
peerInfo	Y	Y
adminStatus	Y	Y
operStatus	Y	Y
bandwidthTransmit	Y	Y
bfdTemplate	Y	Y
workingLspNum	Y	Y
protectLspNum	Y	Y
wlBfdState	Y	Y
plBfdState	Y	Y
wlFaultOAM	Y	Y
plFaultOAM	Y	Y
pseudowireList	Y	Y
direction	Y	Y
lspEndPoints	Y	Y
lspMidPoints	Y	Y
internalId	Y	Y
tpDescription	Y	Y
PeerTunnelId	Y	Y
PeerGlobalId	Y	Y
MPLSTPDirection	Y	Y
LinearProtection		
IMO Name—ILSPEntry		
lspId	Y	Y
internalId	Y	Y
umc	Y	Y
lspType	Y	Y
IMO Name—ILSPMPEntry		
fwdInLabel	Y	Y
fwdOutLabel	Y	Y

Table 6-11 MPLS-TP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
fwdBandwidth	Y	Y
fwdOutInterface	Y	Y
revInLabel	Y	Y
revOutLabel	Y	Y
revOutLinkId	Y	Y
revBandwidth	Y	Y
revOutInterface	Y	Y
bandwidthDiff	Y	Y
IMO Name—ILSPEPEEntry		
inLabel	Y	Y
outLabel	Y	Y
outLinkId	Y	Y
bandwidth	Y	Y
outInterface	Y	Y
state	Y	Y
IMO Name—ITPEEnabledLink		
linkId	Y	Y
interfaceAddress	Y	Y
nextHop	Y	Y
IMO Name—IMPLSTPBfdSession		
lspType	Y	Y

PWE3

Table 6-12 PWE3 Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IPTPLayer2MplsTunnel		
Local and Remote Router Addresses	Y	Y
Local and Remote Virtual Connection Labels	Y	Y
Tunnel Identification	Y	Y
Tunnel Status	Y	Y

Table 6-12 PWE3 Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Local and Remote Tunnel Interface		
IANA Type	Y	Y
Containing CTPs		
Contained CTPs		
PsuedowireType	Y	Y
PreferredPathTunnel	Y	Y
LocalMTU	Y	Y
RemoteMTU	Y	Y
PeerStatus	Y	Y
SignalingProtocol	Y	Y
psuedowireRole	Y	Y
PeerRouterIp	Y	Y
LocalRouterIp	Y	Y
LocalVcLabel	Y	Y
PeerVcLabel	Y	Y

Security

Table 6-13 Security Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IAccessList		
Type	Y	Y
Access List Entries	Y	Y
Name or Id	Y	Y
Index	Y	Y
IMO Name—IAccessListEntry		
Entry Identification	Y	Y
Action Logic	Y	Y
Source and Destination Address	Y	Y
Source and Destination Wildcard	Y	Y
Protocol Type	Y	Y

Table 6-13 Security Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Source and Destination Port Ranges	Y	Y
Source and Destination Port Action	Y	Y
Protocol Specific Info	Y	Y
Differential Services Code Points	Y	Y
Type of Service	Y	Y
Precedence	Y	Y
Matches	Y	Y

Hardware

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3

Attribute	CPT	CPT50
IMO Name—IChassis		
Description	Y	Y
Equipment Holder Type	Y	Y
Contained Equipment Holders		
Contained Equipments		
Serial Number	Y	Y
Configuration State (Soft property)		
Operability (Soft property)		
Power (Soft property)		
Thermal (Soft property)		
Name (Soft property)		
PID (Soft property)		
VID (Soft property)		
Role (Soft property)		
Status		
OperState		
AdminState		
Discvory State		

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
Model		
Connection Path		
AvailState		
Admin Power		
Assoc State		
Oper Power		
Connection Status		
Managing Instance		
No.. of Processors		
Low Voltage memory		
Effective Memory		
CheckPoint		
Total Memory		
Operating Memory Speed		
Slot Status		
Cores		
Threads		
No.. of Adapters		
No.. of HBA ports		
No.. of NIC ports		
UUID		
IP Address (Soft property)		
IMO Name—IShelf		
Description		
Status		
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number		
IMO Name—IModule		
Module Name	Y	Y
Module Description	Y	Y
Software Version	Y	Y
Operational Status	Y	Y
Hardware Type + Version	Y	Y

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
Managed IP Address		
Redundant Equipment		
Configured Redundancy		
Redundancy Status		
Operational Status Last Changed	Y	Y
Supported Physical Termination Points	Y	Y
Serial Number (soft property)	Y	Y
Model		
Operability		
Integrated		
Admin State(Soft property)		
Discovery State(Soft property)		
Power State (Soft property)		
Slot ID (Soft property)		
Chassis ID (Soft property)		
Name (Soft property)		
Description (Soft property)		
PID (Soft property)		
VID (Soft property)		
Avail State (Soft property)		
Assoc State (Soft property)		
Slot Status (Soft property)		
Check Point (Soft property)		
Number Of Processor (Soft property)		
Effective Memory (Soft property)		
Total Memory (Soft property)		
Operating Memory Speed (Soft property)		
Operating Memory Voltage (Soft property)		
Slot Number (Soft property)		
Part Number (Soft property)		

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
Running Version (Soft property)		
Package Version (Soft property)		
Backup Version (Soft property)		
Update Status (Soft property)		
Startup Version (Soft property)		
Activate Status (Soft property)		
Slots Number		
HostName (Soft Property)		
MgmtIP (Soft Property)		
vCPU (Soft Property)		
haStatus (Soft Property)		
status (Soft Property)		
location (Soft Property)		
swVersion (Soft Property)		
domainId (Soft Property)		
haPrimaryRole (Soft Property)		
haPrimaryStatus (Soft Property)		
primaryStatus (Soft Property)		
primaryLocation (Soft Property)		
haSecondaryRole (Soft Property)		
haSecondaryStatus (Soft Property)		
secondaryStatus (Soft Property)		
secondaryLocation (Soft Property)		
secondarySwVersion (Soft Property)		
AssociatedComputeServer		
AssociatedHost		
AssociatedEntity		
TypeName (Soft Property)		
primarySwVersion (Soft Property)		
EquipmentType		

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
IMO Name—IModule		
TypeName (Soft Property)		
primarySwVersion (Soft Property)		
IMO Name—IPowerSupply		
Same as IModule	Y	Y
IMO Name—IFanTray		
Same as IModule	Y	Y
IMO Name—IPluggableTransceiver		
ConnectorDescription	Y	Y
PID	Y	Y
ConnectorSerialNumber	Y	Y
ConnectorType	Y	Y
PluggablePortState	Y	Y
PluggableType	Y	Y
IMO Name—IManagedElement		
IP Address	Y	Y
Communication State	Y	Y
Investigation State	Y	Y
Element Category	Y	Y
Element Type and Key	Y	Y
Device Name	Y	Y
System Name	Y	Y
System Description	Y	Y
Up Time	Y	Y
Software Version	Y	Y
Vendor Identity	Y	Y
Memory and CPU Usage	Y	
DRAM Free	Y	
DRAM Used	Y	
DRAM Usage	Y	
Flash Device Size	Y	
NVRAM Size	Y	
Processor DRAM	Y	Y
Sys Contact	Y	Y

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
Sys Location	Y	Y
Serial Number	Y	Y
File Systems		
IsVirtualElement		
AssociatedHypervisor		
AssociatedVirtualMachine		
AssociatedComputeServer		
TimeZone		
cidsHealthSecMonAvailability		
cidsHealthSecMonOverallHealth		
cidsHealthSecMonSoftwareVersion		
cidsHealthSecMonSignatureVersion		
cidsHealthSecMonLicenseStatus		
cidsHealthSecMonMainAppStatus		
cidsHealthSecMonAnalysisEngineStatus		
cidsHealthSecMonCollaborationAppStatus		
cidsHealthSecMonByPassMode		
cidsHealthSecMonMissedPktPctAndThresh		
cidsHealthSecMonAnalysisEngMemPercent		
cidsHealthSecMonSensorLoad		
cidsHealthSecMonVirtSensorName		
cidsHealthSecMonVirtSensorStatus		
cidsHealthSecMonPartitionName		
cidsHealthSecMonTotalPartitionSpace		

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
IMO Name—IContext		
Name	Y	Y
Bounded Connections		
IP Address Pools		
Forwarding Components List		
Traffic Descriptors List		
Tunnel Containers List		
Data Link Aggregation Containers List		
IMO Name—ISystemService		
Type		
Status		
Up Time	Y	Y
IMO Name—IBridge		
Bridge Table		
Type	Y	
MAC Address		
IP Interface		
Name	Y	
Logical Sons	Y	
Vlan Type	Y	
IMO Name—IBridgeEntry		
Destination MAC		
Outgoing Interface		
IMO Name—IServer		
Uuid		
Maximum Memory		
Effective Memory		
Ip Address		
Form Factor		
Operating System		
Hard Drive Properties		
MemorySlot Properties		
Processor		
Operating Memory Speed		

Table 6-14 Hardware Attribute Support on Cisco Optical Transport—Cisco ANA Version 5.3 (Continued)

Attribute	CPT	CPT50
associatedHypervisor		
AssociatedVEM		
IMO Name—IHardDriveProperties		
Model Name		
Drive Type		
Storage Capacity		
Status		
isFRU		
IMO Name—IMemorySlotProperties		
Slot Name		
Location		
Speed		
Memory Capacity		
Status		
IMO Name—IProcessor		
cpu		
coresperCpu		
Model		
Status		
Vendor		
ratedSpeed		
usedSpeed		
hyperThreadingEnabled		
ramSize		
nvRamSize		
name		
description		

Serial

Table 6-15 Serial Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT
IMO Name—IPhysicalLayer	
Media Type	Y

Table 6-15 Serial Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT
Clocking Source	
Maximum Speed	Y
Is Internal Port	Y
Discarded Bandwidth	
Dropped Bandwidth	
Input Bandwidth	
Output Bandwidth	
Discarded and Received Input Data Counters	Y
Dropped and Forward Output Data Counters	Y
Administrative Status	Y
Operational Status	Y
Last Changed	Y
IANA Type	Y
Containing CTPs	
Contained CTPs	
Port Alias	Y
Location	Y
Sending Alarms	Y
Connector Description	Y
Part ID	Y
Connector Serial Num	Y
Product	Y
Status	Y
Managed	Y

LocalSwitching

Table 6-16 LocalSwitching Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—ILocalSwitchingEntity		
LocalSwitchingTable		
PWSwitchingTable	Y	Y

Table 6-16 LocalSwitching Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—ILocalSwitchingEntry		
Local Switching Entry Key	Y	Y
Local Switching Entry Status	Y	Y
Segment 1	Y	Y
Segment 1 Port Name	Y	Y
Segment 1 Status	Y	Y
Segment 2	Y	Y
Segment 2 Port Name	Y	Y
Segment 2 Status	Y	Y

BFD

Table 6-17 BFD Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IBfdService		
Status		
IMO Name—IBfdCommon		
RegisteredProtocols	Y	Y
InterfaceName	Y	Y
IMO Name—IBfdSession		
SourceIp	Y	Y
DestinationIp	Y	Y
Interval	Y	Y
Multiplier	Y	Y
Protocol	Y	Y
State	Y	Y
Interface	Y	Y
Process	Y	Y
BFDOffload		
IMO Name—IBfdTemplatesEntry		
BfdTemplateName		
Unit		
MinTxInterval		

Table 6-17 BFD Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
MinRxInterval		
Multiplier		

Carrier Ethernet

Table 6-18 Carrier Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IVsi		
vsiInstanceName	Y	Y
vpnId	Y	Y
discoveryMode	Y	Y
vsiMode	Y	Y
Operational state	Y	Y
Administrative state	Y	Y
IMO Name—IPseudowireProperties		
isSplitHorizonEnabled	Y	Y
isAutoDiscovered	Y	Y
IMO Name—IVLANTaggedInterface		
InterfaceName		
Inner Vlan Id		
Outer Vlan Id		
Encap Type		
Operational state		
Administrative state		
ConfiguredDescription		
IMO Name—IEfp		
EfpId	Y	Y
RewriteParams	Y	Y
EncapsParams	Y	Y
AdminStatus	Y	Y
OperStatus	Y	Y
SplitHorizonGroup	Y	Y

Table 6-18 Carrier Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3 (Continued)

Attribute	CPT	CPT50
MatchCriteria	Y	Y
ConfiguredDescription	Y	Y
GetServiceInstanceId	Y	Y
SetServiceInstanceId	Y	Y

CDP

Table 6-19 CDP Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—ICdpService		
cdpHoldtime	Y	Y
cdpMessageInterval	Y	Y
cdpDeviceId	Y	Y
cdpState	Y	Y
cdpVersion	Y	Y
IMO Name—ICdpNeighbor		
remoteDeviceId	Y	Y
remotePortId	Y	Y
remoteIPAddress	Y	Y
localPortId	Y	Y

Discovery Protocol

Table 6-20 Discovery Protocol Attribute Support on Cisco Optical Transport—Cisco Prime Network Prime Network Version 5.3

Attribute	CPT
IMO Name—IDiscoveryProtocol	
DiscoveryProtocolType	Y
Info	Y

Ethernet OAM

Table 6-21 Ethernet OAM Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—ICfmService		
cacheSize	Y	Y
maximumCacheSize	Y	Y
holdTime	Y	Y
version	Y	Y
maintenanceIntermediatePointsTable	Y	Y
maintenanceDomain	Y	Y
IMO Name—IMaintenanceDomain		
name	Y	Y
level	Y	Y
Id	Y	Y
maintenanceAssociation	Y	Y
IMO Name—IMaintenanceEndPoint		
macAddress	Y	Y
Interface	Y	Y
continuityCheckStatus	Y	Y
direction	Y	Y
IMO Name—IMaintenanceAssociation		
name	Y	Y
associationType	Y	Y
maximalMeps	Y	Y
continuityCheckInterval	Y	Y
continuityCheckEnable	Y	Y
crossCheckEnable	Y	Y
direction	Y	Y
bridge	Y	Y
maintenanceEndPoints	Y	Y
cfmRemoteMaintenanceEndPoints	Y	Y
IMO Name—IMaintenanceIntermediatePoint		
level	Y	Y
cfmInterface	Y	Y

Table 6-21 Ethernet OAM Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
isAutocreated	Y	Y
Vlans	Y	Y
macAddress	Y	Y
IMO Name—IRemoteMaintenanceEndPoint		
mepId	Y	Y
macAddress	Y	Y
level	Y	Y
maintenanceEndPointStatus	Y	Y
maintenanceEndPointOid	Y	Y
IMO Name—IOAMData		
adminState	Y	Y
pduMaxRate	Y	Y
pduMinRate	Y	Y
linkTimeout	Y	Y
highThresholdAction	Y	Y
linkFaultAction	Y	Y
dyingGaspAction	Y	Y
criticalEventAction	Y	Y
mode	Y	Y
unidirectional	Y	Y
linkMonitor	Y	Y
remoteLoopback	Y	Y
portStatus	Y	Y
loopbackStatus	Y	Y
remoteData	Y	Y
name	Y	Y
ethernetPort	Y	Y
IMO Name—IOAMRemoteData		
macAddress	Y	Y
vendor	Y	Y
mode	Y	Y
unidirection	Y	Y
linkMonitor	Y	Y
remoteLoopback	Y	Y

Table 6-21 Ethernet OAM Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IUNIProperties		
UNIId		
isServiceMultiplexing		
isBundlingEnabled		
bundlingType		
IMO Name—IEthernetLMI		
isGlobalEnabled		
mode		
ELMIInterfaces		
deviceEVCs		
IMO Name—IDeviceEVC		
EVCName		
EVCStatus		
EVCType		
cfmMaName		
configuredRemoteUNICount		
activeRemoteUNICount		
UNIInterfaces		
IMO Name—IUNIInterfaces		
UNIStatus		
UNIId		
interfaceName		
vlanList		
lmiLinkStatus		
IMO Name—IELMIInterfaces		
interfaceName		
T391		
T392		
N391		
N393		
IMO Name—IProbe		
Profile Name	Y	Y
Source MEP	Y	Y
Source MAC Address	Y	Y
Destination	Y	Y

Table 6-21 Ethernet OAM Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
OAM Domain	Y	Y
Measurement Type	Y	Y
Ethernet Virtual Connection	Y	Y
Packet Size	Y	Y
Packets Per Burst	Y	Y
Burst Period	Y	Y
IMO Name—IDelayMeasurementEntry		
Statistics Type	Y	Y
Aggregate Bin Count	Y	Y
Aggregate Bin Boundaries	Y	Y
Bucket Size	Y	Y
AggregationPeriod		
AggregateBurstCycles		
IMO Name—I LossMeasurementEntry		
Statistics Type		
Aggregate Bin Count		
Aggregate Bin Boundaries		
Bucket Size		
AggregationPeriod		
AggregateBurstCycles		
AvailabilityAlgorithm		
ConsecutiveFrames		
consecutiveFramesForLossRatio		

QoS

Table 6-22 QoS Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IServicePolicyContainer		
	Y	
IMO Name—IServicePolicy		
PolicyName	Y	
PolicyType	Y	

Table 6-22 QoS Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
ProcessingStrategy	Y	
PolicyTrigger	Y	
IMO Name—IPolicyRule		
Name	Y	
RuleType	Y	
MatchCondition	Y	
ActionExecutionStrategy	Y	
IMO Name—IPolicyRuleActionEntry		
PolicyRuleIdentifier	Y	
SequenceNumber	Y	
ActionType	Y	
AssociatedEntity	Y	
AffectedEntityValue	Y	
IMO Name—IPolicyGroup		
PolicyName	Y	
PolicyType	Y	
ProcessingStrategy	Y	
PolicyTrigger	Y	
IMO Name—IQoSContainer		
	Y	
IMO Name—IClassOfServiceContainer		
	Y	
IMO Name—IClassOfService		
Name	Y	
CosType	Y	
MatchCriteriaMatchingStrategy	Y	
IMO Name—IClassOfServiceMatchCriteriaEntry		
Index	Y	
MatchType	Y	
MatchCondition	Y	
MatchValue	Y	
AssociatedEntity	Y	
IMO Name—IInterfaceAssociationEntry		
EntityAssociation		

Table 6-22 QoS Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
InterfaceName		

Port

Table 6-23 Port Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
IMO Name—IPhysicalLayer		
AinsSoak		
Reach		
WaveLength		
facilityId		
Media Type	Y	
Clocking Source		
Maximum Speed	Y	
Is Internal Port	Y	
Discarded Bandwidth		
Dropped Bandwidth		
Input Bandwidth		
Output Bandwidth		
Discarded and Received Input Data Counters	Y	
Dropped and Forward Output Data Counters	Y	
Administrative Status	Y	
Operational Status	Y	
Last Changed	Y	
IANA Type	Y	
Containing CTPs		
Contained CTPs		
Port Alias	Y	
Location	Y	
Sending Alarms	Y	
Connector Description	Y	

Table 6-23 Port Attribute Support on Cisco Optical Transport—Cisco Prime Network Version 5.3

Attribute	CPT	CPT50
Part ID	Y	
Connector Serial Num	Y	
Product	Y	
Status	Y	
Managed	Y	
AssociatedPluggable		
IMO Name—IDiscoveryProtocol		
DiscoveryProtocolType	Y	
Info	Y	



Support Information for Cisco Security Appliances

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco security appliances in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 3.8 Reference Guide](#).

This chapter contains the following topics:

- [Cisco Adaptive Security Appliance 5550 Series, page 7-1](#)
- [Cisco Adaptive Security Appliance 5580 Series, page 7-3](#)
- [Cisco ASA-5585 Adaptive Security Appliance, page 7-5](#)
- [Cisco ASA 1000v, page 7-8](#)
- [Cisco ASA-5585 Adaptive Security Appliance, page 7-10](#)
- [Cisco ASA 5516 Series Switches —Additional Support, page 7-13](#)
- [Cisco ASA 5512 Series Switches —Additional Support, page 7-14](#)
- [Cisco ASA 5515 Series Switches —Additional Support, page 7-14](#)
- [Cisco ASA 5525 Series Switches —Additional Support, page 7-15](#)
- [Cisco Virtual Security Gateway, page 7-15](#)
- [Supported Technologies on Cisco Security Appliances, page 7-17](#)

Cisco Adaptive Security Appliance 5550 Series

This section includes the following information about Cisco ASA 5550 Series security appliances (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Adaptive Security Appliance 5550 Series](#)):

This section contains the following topics:

- [Cisco ASA 5550 Series—Supported Software Versions, page 7-2](#)
- [Cisco ASA 5550 Series—Supported Topologies, page 7-2](#)
- [Cisco ASA 5550 Series—Supported Modules, page 7-2](#)
- [Cisco ASA 5550 Series—Supported Technologies, page 7-2](#)
- [Cisco ASA 5550 Series—Supported Service Events, page 7-3](#)

Cisco ASA 5550 Series—Supported Software Versions

Table 7-1 Supported Software Versions for Cisco ASA 5550 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
7.2(3)12	
8.4(3)	
9.6(3)1	Prime Network 4.3-DP1709

Cisco ASA 5550 Series—Supported Topologies

Table 7-2 Supported Topologies for Cisco ASA 5550 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	
L2 Fabric	L2 Fabric Link	

Cisco ASA 5550 Series—Supported Modules

Table 7-3 Supported Modules for Cisco ASA 5550 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SSM-4GE-INC		SSM-4GE Included with ASA 5550 System

Cisco ASA 5550 Series—Supported Technologies

The following technologies are supported by the Cisco ASA 5550 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 7-18
- [Ethernet](#), page 7-21
- [Hardware](#), page 7-29
- [Port](#), page 7-36

Cisco ASA 5550 Series—Supported Service Events

Table 7-4 Supported Service Events for Cisco ASA 5550 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down		Y
Active IP Interfaces Found		Y
BGP Process Up		N
Card Down		Y
Card Up		Y
Card Out		Y
Card In		Y
CPU Overutilized		N
Device Unsupported		N
Fan-Tray Down		N
Fan-Tray Out		N
Keepalive Not Set		N
Keepalive Set		N
Layer 2 Tunnel Down		N
Link Up		N
Memory Overutilized		N
Power Supply Down		N
Rx Overutilized		N
Tx Overutilized		N
OSPF link down		N
OSPF link up		N

Cisco Adaptive Security Appliance 5580 Series

This section includes the following information about Cisco ASA 5580 Series security appliances (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Adaptive Security Appliance 5580 Series](#)):

This section contains the following topics:

- [Cisco ASA 5580 Series—Supported Software Versions, page 7-4](#)
- [Cisco ASA 5580 Series—Supported Topologies, page 7-4](#)
- [Cisco ASA 5580 Series—Supported Modules, page 7-4](#)
- [Cisco ASA 5580 Series—Supported Technologies, page 7-4](#)
- [Cisco ASA 5580 Series—Supported Service Events, page 7-5](#)

Cisco ASA 5580 Series—Supported Software Versions

Table 7-5 Supported Software Versions for Cisco ASA 5580 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
8.1(2)	3.7
8.1(2)12	3.7
8.4(3)	PrimeNetwork 3.10 JanDP 03.10(00X)D P1301,Prime Network 4.0 -DP0

Cisco ASA 5580 Series—Supported Topologies

Table 7-6 Supported Topologies for Cisco ASA 5580 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7
L2 Fabric	L2 Fabric Link	4.2

Cisco ASA 5580 Series—Supported Modules

Table 7-7 Supported Modules for Cisco ASA 5580 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASA5580-4GE-CU	3.7	Cisco ASA 5580 4-port 10/100/1000 Ethernet interface card, RJ45
ASA5580-4GE-FI	3.7	Cisco ASA 5580 4-port Gigabit Ethernet fiber interface card, SR, LC
ASA5580-2X10GE-SR	3.7	Cisco ASA 5580 2-port 10 Gigabit Ethernet fiber interface card, SR, LC

Cisco ASA 5580 Series—Supported Technologies

The following technologies are supported by the Cisco ASA 5580 Series in Cisco Prime Network Version 5.3:

- [IP, page 7-18](#)
- [Ethernet, page 7-21](#)

- [Hardware, page 7-29](#)
- [Port, page 7-36](#)

Cisco ASA 5580 Series—Supported Service Events

Table 7-8 Supported Service Events for Cisco ASA 5580 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7	Y
Active IP Interfaces Found	3.7	Y
BGP Process Up	3.7	N
Card Down	3.7	Y
Card Up	3.7	Y
Card Out	3.7	Y
Card In	3.7	Y
CPU Overutilized	3.7	N
Device Unsupported	3.7	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.7	N
Keepalive Set	3.7	N
Layer 2 Tunnel Down	3.7	N
Link Up	3.7	N
Memory Overutilized	3.7	N
Power Supply Down	3.8	N
Rx Overutilized	3.7	N
Tx Overutilized	3.7	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco ASA-5585 Adaptive Security Appliance

This section includes the following information about Cisco ASA 5585 IPS security appliances (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASA-5585 Adaptive Security Appliance](#)):

This section contains the following topics:

- [Cisco ASA 5585 IPS—Supported Software Versions, page 7-6](#)
- [Cisco ASA 5585 IPS—Supported Topologies, page 7-6](#)
- [Cisco ASA 5585 IPS—Supported Modules, page 7-7](#)

- [Cisco ASA 5585 IPS—Supported Technologies, page 7-7](#)
- [Cisco ASA 5585 IPS—Supported Service Events, page 7-7](#)

Cisco ASA 5585 IPS—Supported Software Versions

Table 7-9 Supported Software Versions for Cisco ASA 5585 IPS—Cisco Prime Network Version 5.3

Software Version	Product Version
7.1(3)E4	Prime Network 38.39(00X)D P1307
7.2(1)E4	Prime Network 38.39(00X)D P1307
7.1.1	PrimeNetwork-3.8.xTo3.9.x-DP1307
7.2.4	PrimeNetwork-3.8.xTo3.9.x-DP1308
9.6(2)11	PrimeNetwork 4.2.2-DP1707

Cisco ASA 5585 IPS—Supported Topologies

Table 7-10 Supported Topologies for Cisco ASA 5585 IPS—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7
L2 Fabric	L2 Fabric Link	4.2

Cisco ASA 5585 IPS—Supported Modules

Table 7-11 Supported Modules for Cisco ASA 5585 IPS—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASA5585-SSP-IPS60	Prime Network 38.39(00 X)DP1307	Intrusion Prevention for the Cisco ASA 5500-X Series

Cisco ASA 5585 IPS—Supported Technologies

The following technologies are supported by the Cisco ASA 5585 IPS in Cisco Prime Network Version 5.3:

- [Hardware](#), page 7-29
- [Port](#), page 7-36

Cisco ASA 5585 IPS—Supported Service Events

Table 7-12 Supported Service Events for Cisco ASA 5585 IPS—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7	Y
Active IP Interfaces Found	3.7	Y
BGP Process Up	3.7	N
Card Down	3.7	Y
Card Up	3.7	Y
Card Out	3.7	Y
Card In	3.7	Y
CPU Overutilized	3.7	N
Device Unsupported	3.7	N
Fan-Tray Down	Prime Network 3.8	N
Fan-Tray Out	Prime Network 3.8	N
Keepalive Not Set	3.7	N
Keepalive Set	3.7	N

Table 7-12 Supported Service Events for Cisco ASA 5585 IPS—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Layer 2 Tunnel Down	3.7	N
Link Up	3.7	N
Memory Overutilized	3.7	N
Power Supply Down	Prime Network 3.8	N
Rx Overutilized	3.7	N
Tx Overutilized	3.7	N

Cisco ASA 1000v

This section includes the following information about CISCO ASA1000v security appliances (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASA 1000v](#)):

This section contains the following topics:

- [CISCO ASA1000v—Supported Software Versions, page 7-8](#)
- [CISCO ASA1000v—Supported Topologies, page 7-8](#)
- [CISCO ASA1000v—Supported Technologies, page 7-9](#)
- [CISCO ASA1000v—Supported Service Events, page 7-9](#)

CISCO ASA1000v—Supported Software Versions

Table 7-13 Supported Software Versions for CISCO ASA1000v—Cisco Prime Network Version 5.3

Software Version	Product Version
8.7(1)1	PrimeNetwork-4.0 DP1308

CISCO ASA1000v—Supported Topologies

Table 7-14 Supported Topologies for CISCO ASA1000v—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	4.0
Physical Layer	Physical Layer	4.0
Entity Association	Entity Association	4.0

Table 7-14 Supported Topologies for CISCO ASA1000v—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	4.2

CISCO ASA1000v—Supported Technologies

The following technologies are supported by the CISCO ASA1000v in Cisco Prime Network Version 5.3:

- [Security, page 7-28](#)
- [Hardware, page 7-29](#)
- [Port, page 7-36](#)
- [CDP, page 7-37](#)

CISCO ASA1000v—Supported Service Events

Table 7-15 Supported Service Events for CISCO ASA1000v—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to Low Polling Rate Due to CPU High Usage	4.0	N
VNE Switched Back to Regular Polling Rate	4.0	N
VNE Switched to a Limited Investigation Mode Due to High CPU Usage	4.0	N
Component Reachable	4.0	N
Component Unreachable	4.0	N
Device Partially Managed	4.0	N
CPU Overutilized	4.0	N
CPU Normal Utilization	4.0	N
Device Unsupported	4.0	N
Device Initializing	4.0	N
Interface Status Up	Prime Network 4.0 DP1308	N
Port Down Due to Admin	Prime Network 4.0 DP1308	N

Table 7-15 Supported Service Events for CISCO ASA1000v—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Port Down Due to Oper	Prime Network 4.0 DP1308	N
Port Up	Prime Network 4.0 DP1308	N

Cisco ASA-5585 Adaptive Security Appliance

This section includes the following information about Cisco ASA-5585 security appliances (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASA-5585 Adaptive Security Appliance](#)):

This section contains the following topics:

- [Cisco ASA-5585—Supported Software Versions, page 7-10](#)
- [Cisco ASA-5585—Supported Topologies, page 7-11](#)
- [Cisco ASA-5585—Supported Modules, page 7-11](#)
- [Cisco ASA-5585—Supported Technologies, page 7-12](#)
- [Cisco ASA-5585—Supported Service Events, page 7-13](#)

Cisco ASA-5585—Supported Software Versions

Table 7-16 Supported Software Versions for Cisco ASA-5585—Cisco Prime Network Version 5.3

Software Version	Product Version
9.6(2)11	DP 1707
9.6(3)1	DP 1709
9.4.4(14)	DP 1803
8.4.6	Prime Network 38.39(00X)D P1307

Cisco ASA-5585—Supported Topologies

Table 7-17 Supported Topologies for Cisco ASA-5585—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7
L2 Fabric	L2 Fabric Link	4.2

Cisco ASA-5585—Supported Modules

Table 7-18 Supported Modules for Cisco ASA-5585—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASA-SSP-60-INC	Prime Network 38.39(00 X)DP130 7	ASA 5585-X Security Services Processor-60 with 6GE, 4 SFP+
ASA-IPS-60-INC-K9	Prime Network 38.39(00 X)DP130 7	ASA 5585-X IPS Security Services Processor-60 with 6GE ,4SFP+
ASA-SSP-40-INC	Prime Network 38.39(00 X)DP130 7	ASA 5585-X Security Services Processor-40 with 6GE, 4SFP+
ASA-IPS-40-INC-K9	Prime Network 38.39(00 X)DP130 7	ASA 5585-X IPS Security Services Processor-40 with 6GE,4SFP+
ASA5585-PWR-AC	Prime Network 38.39(00 X)DP130 7	ASA 5585-X AC Power Supply
ASA5585-PWR-DC	Prime Network 38.39(00 X)DP130 7	ASA 5585-X DC Power Supply

Table 7-18 Supported Modules for Cisco ASA-5585—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
GLC-LH-SMD	Prime Network 38.39(00 X)DP1307	Long wavelength gigabit Ethernet SFP
SFP-10G-LR=	Prime Network 38.39(00 X)DP1307	10GBASE-LR SFP+ transceiver module for SMF, 1310-nm wavelength, LC duplex connector
CISCOASA5585SSP40	PrimeNetwork-3.8.xTo3.9.x-DP1307	CISCO ASA 5585 Security Services Processor-40
CISCOASA5585SSP60	PrimeNetwork-3.8.xTo3.9.x-DP1308	CISCO ASA 5585 Security Services Processor-60
CISCOASA5585SSP40SC	PrimeNetwork-3.8.xTo3.9.x-DP1309	CISCO ASA 5585 Security Services Processor-40 Security Context
CISCOASA5585SSP60SC	PrimeNetwork-3.8.xTo3.9.x-DP1310	CISCO ASA 5585 Security Services Processor-60 Security Context

Cisco ASA-5585—Supported Technologies

The following technologies are supported by the Cisco ASA-5585 in Cisco Prime Network Version 5.3:

- [IP, page 7-18](#)
- [Ethernet, page 7-21](#)
- [Hardware, page 7-29](#)
- [Port, page 7-36](#)

Cisco ASA-5585—Supported Service Events

Table 7-19 Supported Service Events for Cisco ASA-5585—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7	Y
Active IP Interfaces Found	3.7	Y
BGP Process Up	3.7	N
Card Down	3.7	Y
Card Up	3.7	Y
Card Out	3.7	Y
Card In	3.7	Y
CPU Overutilized	3.7	N
Device Unsupported	3.7	N
Fan-Tray Down	Prime Network 3.8	N
Fan-Tray Out	Prime Network 3.8	N
Keepalive Not Set	3.7	N
Keepalive Set	3.7	N
Layer 2 Tunnel Down	3.7	N
Link Up	3.7	N
Memory Overutilized	3.7	N
Power Supply Down	Prime Network 3.8	N
Rx Overutilized	3.7	N
Tx Overutilized	3.7	N

Cisco ASA 5516 Series Switches —Additional Support

Cisco —Supported Software Versions

Table 7-20 Supported Software Versions for Cisco ASA-5516—Cisco Prime Network Version 5.3

Software Version	Product Version
9.6(2)11	DP 1707

Table 7-20 Supported Software Versions for Cisco ASA-5516—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
9.6(3)1	DP1709
9.4.4(5)	DP 1707
9.4.4(14)	DP1803

Cisco ASA5516—Supported Network Elements

Table 7-21 Supported Network Elements for Cisco ASA 5516

NE Type	Product Name	SysOID	Added in:
ASA 5516	ASA 5516	.1.3.6.1.4.1.9.1.2242	DP 1707

Cisco ASA 5512 Series Switches—Additional Support

Cisco ASA 5512—Supported Software Versions

Table 7-22 Supported Software Version for Cisco ASA 5512

Software Version	Added in:
9.4.4(14)	DP1803

Cisco ASA 5515 Series Switches—Additional Support

Cisco ASA 5515—Supported Software Versions

Table 7-23 Supported Software Version

Software Version	Added in:
9.4.4(14)	DP1803

Cisco ASA 5525 Series Switches —Additional Support

Cisco ASA 5525—Supported Software Versions

Table 7-24 Supported Software Version for Cisco ASA 5525

Software Version	Added in:
9.4.4(14)	DP1803

Cisco ASA 5545 Series Switches —Additional Support

Cisco ASA 5545—Supported Software Version

Table 7-25 Supported Software Version for Cisco ASA 5545

Software Version	Added in:
9.4.4(14)	DP1803

Cisco ASA 5555 Series Switches —Additional Support

Cisco ASA 5555—Supported Software Version

Table 7-26 Supported Software Version for Cisco ASA 5555

Software Version	Added in:
9.4.4(14)	DP1803

Cisco Virtual Security Gateway

This section includes the following information about Cisco VSG security appliances (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Virtual Security Gateway](#)):

This section contains the following topics:

- [Cisco VSG—Supported Software Versions, page 7-16](#)
- [Cisco VSG—Supported Topologies, page 7-16](#)
- [Cisco VSG—Supported Modules, page 7-16](#)

- [Cisco VSG—Supported Technologies, page 7-16](#)
- [Cisco VSG—Supported Service Events, page 7-17](#)

Cisco VSG—Supported Software Versions

Table 7-27 Supported Software Versions for Cisco VSG—Cisco Prime Network Version 5.3

Software Version	Product Version
4.2(1)VSG1(4.1)	

Cisco VSG—Supported Topologies

Table 7-28 Supported Topologies for Cisco VSG—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	
Physical Layer	Physical Layer	
Entity Association	Entity Association	
L2 Fabric	L2 Fabric Link	

Cisco VSG—Supported Modules

Table 7-29 Supported Modules for Cisco VSG—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NEXUS VIRTUAL SECURITY GATEWAY MODULE		Nexus 1010 (Virtual Services Appliance)

Cisco VSG—Supported Technologies

The following technologies are supported by the Cisco VSG in Cisco Prime Network Version 5.3:

- [IP, page 7-18](#)
- [Security, page 7-28](#)
- [Hardware, page 7-29](#)
- [Port, page 7-36](#)
- [CDP, page 7-37](#)

Cisco VSG—Supported Service Events

Table 7-30 Supported Service Events for Cisco VSG—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to Low Polling Rate Due to CPU High Usage		N
VNE Switched Back to Regular Polling Rate		N
VNE Switched to a Limited Investigation Mode Due to High CPU Usage		N
All IP Interfaces Down		N
Component Reachable		N
Component Unreachable		N
Device Partially Managed		N
CPU Overutilized		N
CPU Normal Utilization		N
Device Unsupported		N
Device Initializing		N
Discard Packets		N
Interface Status Up		N
Link Down Due to Admin Down		N
Link Down Due to Oper Down		N
Link Down on Unreachable		N
Link Up		N
Port Down Due to Admin		N
Port Down Due to Oper		N
Port Up		N

Supported Technologies on Cisco Security Appliances

The following sections list the objects and attributes that are supported on Cisco security appliances in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 7-18](#)
- [Ethernet, page 7-21](#)
- [Security, page 7-28](#)
- [Hardware, page 7-29](#)

- [Port, page 7-36](#)
- [CDP, page 7-37](#)

IP

Table 7-31 IP Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA 5550	ASA 5580	IPS	ASA 1KV	ASA 5585	VSG
IMO Name—IIPInterface						
IP Address	Y	Y			Y	Y
Subnetwork Mask	Y	Y			Y	Y
IP Interface Addresses Array	Y	Y			Y	Y
Interface Name	Y	Y			Y	Y
Interface Description	Y	Y			Y	Y
IP Interface State	Y	Y			Y	Y
OSPF Interface Cost						
Broadcast Address						
MTU						
Lookup Method						
Address Resolution Type						
ARP Timeout						
Secured ARP						
ICMP Mask Reply						
IGMP Proxy						
HSRP Groups						
IP Multiplexing Table						
IANA Type						
Containing CTPs						
Contained CTPs						
IMO Name—IIPMuxEntry						
Termination Point						
Destination IP Subnet						
IMO Name—IIRoutingEntity						
Routing Table	Y	Y			Y	Y
ARP Entity	Y	Y			Y	Y
Routing Table Changes						
Name	Y	Y			Y	

Table 7-31 IP Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASAIKV	ASA 5585	VSG
Logical Sons	Y	Y			Y	
Multicast Routing Table						
IMO Name—IRoutingEntry						
Destination IP Subnet	Y	Y			Y	Y
Next Hop IP Address	Y	Y			Y	Y
Type	Y	Y			Y	Y
Routing Protocol Type	Y	Y			Y	Y
Outgoing Interface Name	Y	Y			Y	Y
IMO Name—IARPEntity						
ARP Table	Y	Y			Y	Y
IMO Name—IARPEntity						
IP Address	Y	Y			Y	Y
MAC Address	Y	Y			Y	Y
Port	Y	Y			Y	Y
Entry Type	Y	Y			Y	Y
IMO Name—IIPPool						
IP Address Pool Entries						
Name						
IMO Name—IIPPoolEntry						
Free Address						
Reserved Address						
Address In Use						
Group Name						
Pool Type						
Status						
Priority						
VRF Oid						
IMO Name—IIPRangeBasedIPPoolEntry						
Range Start						
Range End						
Unused Addresses						
Used Addresses						
Reserved Addresses						

Table 7-31 IP Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IIPSubnetBasedIPPoolEntry						
IP Subnet						
Unused Addresses						
Used Addresses						
Reserved Addresses						
IMO Name—HSRPGroupEntry						
Group Number						
Port Description						
Priority						
Coupled Router						
State						
Tracking Interfaces						
Virtual IP Address						
Virtual MAC Address						
IMO Name—ITunnelGRE						
Name						
Tunnel Destination and Source						
IP Address						
IP Interface State						
IANA Type						
Containing CTPs						
Contained CTPs						
Keep Alive Time						
Keep Alive Retry						
IMO Name—IVrrpGroupEntry						
Group Number						
State						
Port Description						
Master IP Address						
Primary IP Address						
Priority						
Virtual Mac Address						
Preempt Mode						
Admin State						

Table 7-31 IP Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
Advertisement Interval						
Tracking Interfaces						
IMO Name—IIPSLAResponderService						
responderStatus						
TWAMPResponderStatus						
tcpConnect						
udpEcho						
IMO Name—IIPAddressPortPair						
type						
ipAddress						
port						

Ethernet

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IILinkAggregationGroup802dot3ad						
dot3adAggMACAddress						
dot3adAggActorSystemPriority						
dot3adAggActorSystemID						
dot3adAggActorAdminKey						
dot3adAggActorOperKey						
dot3adAggPartnerSystemID						
dot3adAggPartnerSystemPriority						
dot3adAggPartnerOperKey						
dot3adAggCollectorMaxDelay						
GroupNumber	Y ¹	Y ²			Y	
AggregationProtocolType	Y ³	Y ⁴			Y	
MacAddress	Y ⁵	Y ⁶			Y	
ChannelAdminStatus	Y ⁷	Y ⁸			Y	

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
ChannelOperStatus	Y ⁹	Y ¹⁰			Y	
lagLoadBalancingType						
bandWidth						
LinkType						
IMO Name—IEthernet						
MAC Address	Y ¹¹	Y ¹²			Y	
Duplex Mode						
Output Flow Control						
Input Flow Control						
IANA Type	Y ¹³	Y ¹⁴			Y	
Containing CTPs						
Contained CTPs						
Port Type						
isElmiEnabled						
isLOAMEnabled						
AutoNegotiate						
FCID (Soft Property)						
WWN (Soft Property)						
FlowControl						
IMO Name—IVlanInterface						
Mode						
Native VLAN Identification						
Virtual LAN Table						
IANA Type						
Containing CTPs						
Contained CTPs						
vlanAdminType						
vlanencapType						
getAccess						
Allowed Vlans						
IMO Name—IVlanEncapMux						
IANA Type						

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
Containing CTPs						
Contained CTPs						
discoveryProtocols						
ingressPolicy						
egressPolicy						
controlPolicy						
type						
ID						
egressSpeed						
ingressSpeed						
IMO Name—IVlanMapping						
direction						
vlanMatchCriteria						
vlanRewriteDefinition						
Drop						
Vlan						
innerVlan						
translatedVlan						
translatedInnerVlan						
IMO Name—IClientBridgeEfp						
efpId						
interfaceName						
translatedInnerVLAN						
vlan						
innerVlan						
operationalState						
administrativeState						
translatedVlan						
RewriteDefinition						
VlanMatchCriteria						
IMO Name—IIEEE802						
VLAN Identification						
Binding Information						
Binding Status						

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IANA Type						
Containing CTPs						
Contained CTPs						
IMO Name—IStpService						
StpProtocol						
StpMaxAge						
StpHelloTime						
StpBridgeForwardDelay						
StpInstanceInfoTable						
Same as ISystemService						
StpUplinkFastState						
StpBackboneFastState						
StpForwardDelay						
StpBridgeMaxAge						
StpBridgeHelloTime						
IMO Name—IMstService						
MstProperties						
Same as IStpService						
IMO Name—IPvstpService						
UpLinkFast						
BackboneFast						
IMO Name—IMstProperties						
MstForceVersion						
MstCfgIdFmtSel						
MstExternalRootCost						
MstMaxInstances						
MstCfgIdName						
MstCfgIdRevLevel						
IMO Name—IStpInstanceInfo						
Object Identification						
StpBridgeId						
BridgePriority						
Designated Parent and Root Bridges						
StpRootCost						

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IsRoot						
StpRootPort						
StpPortInfoTable						
STP Instance Id						
Vlan Id						
StpDesignatedBridge						
StpDesignatedRoot						
IMO Name—IMstInstanceInfo						
MstVlanIds						
Same as IStpInstanceInfo						
IMO Name—IPvstpInstanceInfo						
Protocol Type						
StpBridgeMaxAge						
StpBridgeHelloTime						
StpBridgeForwardDelay						
StpProtocolSpecification						
StpVlanId						
StpForwardDelay						
StpMaxAge						
IMO Name—IRstpInstanceInfo						
StpForceVersion						
Same as IStpInstanceInfo						
IMO Name—IStpPortInfo						
StpPort						
StpPortPriority						
StpPortState						
StpPortPathCost						
StpPortEdgePort						
StpPortPointToPoint						
StpPortRole						
StpDesignatedPortIdentifier						
StpDesignatedBridge						
StpPortIdentifier						
StpPortBpduGuardState						

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
StpPortBpduFilterState						
IMO Name—IMstPortInfo						
MstPortHelloTime						
Same as IStpPortInfo						
IMO Name—IPvstpPortInfo						
PvstpPortFastState						
IMO Name—IEthernetChannel						
Group Number						
Bandwidth						
Aggregation Protocol						
IANA Type						
Containing CTPs						
Contained CTPs						
Mac Address						
Admin Status						
Oper Status						
IMO Name—ITokenRingLayer2						
MAC Address						
IANA Type						
Containing CTPs						
Contained CTPs						
IMO Name—ITokenRingLayer1						
Same as IPhysicalLayer						
IMO Name—IBridge						
Bridge Table						
Type						
MAC Address						
IP Interface						
Name						
Logical Sons						
Vlan Type						
IMO Name—IBridgeEntry						
Destination MAC						
Outgoing Interface						

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IVtpService						
Version						
OperatingMode						
DomainName						
ConfigurationRevision						
isPruningEnabled						
isAuthenticationEnabled						
IMO Name—IREPService						
version						
administrativeVlan						
notificationEnabled						
IMO Name—IREPSegmentInfo						
segmentId						
segmentComplete						
IMO Name—IREPPortInfo						
portName						
portKey						
segmentId						
portType						
portRole						
operStatus						
blockedVlans						
preemptTimer						
IslAgeoutTimer						
remoteDeviceName						
remoteDeviceMac						
remotePortName						
configuredLoadBalancingBlockedVlans						
IMO Name—IBridgeILan						
Id						
IMO Name—IIBBridgeEntry						
IS Id						
IBridge						
BBridge						

Table 7-32 Ethernet Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IEfp						
egressSpeed						
ingressSpeed						

^{1,4}EtherChannel support (ASA 5510 and higher) is available from version 8.4(1) and later.

Security

Table 7-33 Security Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IAccessList						
Type				Y		Y
Access List Entries				Y		Y
Name or Id				Y		Y
Index				Y		Y
IMO Name—IAccessListEntry						
Entry Identification				Y		Y
Action Logic				Y		Y
Source and Destination Address				Y		Y
Source and Destination Wildcard				Y		Y
Protocol Type				Y		Y
Source and Destination Port Ranges				Y		Y
Source and Destination Port Action				Y		Y
Protocol Specific Info				Y		Y
Differential Services Code Points				Y		Y
Type of Service				Y		Y
Precedence				Y		Y
Matches				Y		Y

Hardware

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IChassis						
Description		Y		Y	Y	Y
Equipment Holder Type	Y	Y		Y	Y	Y
Contained Equipment Holders						
Contained Equipments						
Serial Number		Y		Y	Y	Y
Configuration State (Soft property)						
Operability (Soft property)						
Power (Soft property)						
Thermal (Soft property)						
Name (Soft property)						
PID (Soft property)						
VID (Soft property)						
Role (Soft property)						
Status						
OperState						
AdminState						
Discvory State						
Model						
Connection Path						
AvailState						
Admin Power						
Assoc State						
Oper Power						
Connection Status						
Managing Instance						
No.. of Processors						
Low Voltage memory						
Effective Memory						
CheckPoint						
Total Memory						

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
Operating Memory Speed						
Slot Status						
Cores						
Threads						
No.. of Adapters						
No.. of HBA ports						
No.. of NIC ports						
UUID						
IP Address (Soft property)						
IMO Name—IShelf						
Description						
Status						
Equipment Holder Type						
Contained Equipment Holders						
Contained Equipments						
Serial Number						
IMO Name—IModule						
Module Name	Y	Y	Y	Y	Y	Y
Module Description	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y
Operational Status	Y		Y	Y		Y
Hardware Type + Version	Y	Y	Y	Y	Y	Y
Managed IP Address						
Redundant Equipment						
Configured Redundancy						
Redundancy Status						
Operational Status Last Changed						
Supported Physical Termination Points						
Serial Number (soft property)	Y	Y	Y	Y	Y	Y
Model						
Operability						
Integrated						
Admin State(Soft property)						

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
Discovery State(Soft property)						
Power State (Soft property)						
Slot ID (Soft property)						
Chassis ID (Soft property)						
Name (Soft property)						
Description (Soft property)						
PID (Soft property)						
VID (Soft property)						
Avail State (Soft property)						
Assoc State (Soft property)						
Slot Status (Soft property)						
Check Point (Soft property)						
Number Of Processor (Soft property)						
Effective Memory (Soft property)						
Total Memory (Soft property)						
Operating Memory Speed (Soft property)						
Operating Memory Voltage (Soft property)						
Slot Number (Soft property)						
Part Number (Soft property)						
Running Version (Soft property)						
Package Version (Soft property)						
Backup Version (Soft property)						
Update Status (Soft property)						
Startup Version (Soft property)						
Activate Status (Soft property)						
Slots Number						
HostName (Soft Property)				Y		Y
MgmtIP (Soft Property)				Y		Y
TypeName (Soft Property)				Y		Y
vCPU (Soft Property)				Y		Y

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
haStatus (Soft Property)				Y		Y
status (Soft Property)				Y		Y
location (Soft Property)				Y		Y
swVersion (Soft Property)				Y		Y
domainId (Soft Property)				Y		Y
haPrimaryRole (Soft Property)				Y		Y
haPrimaryStatus (Soft Property)				Y		Y
primaryStatus (Soft Property)				Y		Y
primaryLocation (Soft Property)				Y		Y
primarySwVersion (Soft Property)				Y		Y
haSecondaryRole (Soft Property)				Y		Y
haSecondaryStatus (Soft Property)				Y		Y
secondaryStatus (Soft Property)				Y		Y
secondaryLocation (Soft Property)				Y		Y
secondarySwVersion (Soft Property)						
AssociatedComputeServer						
AssociatedHost						
AssociatedEntity						
EquipmentType						
IMO Name—IPowerSupply						
Same as IModule						
IMO Name—IFanTray						
Same as IModule						
IMO Name—IPluggableTransceiver						
ConnectorDescription						
PID						
ConnectorSerialNumber						
ConnectorType						
PluggablePortState						
PluggableType						

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASAIKV	ASA 5585	VSG
IMO Name—IManagedElement						
IP Address	Y	Y	Y	Y	Y	Y
Communication State	Y	Y	Y	Y	Y	Y
Investigation State	Y	Y	Y	Y	Y	Y
Element Category	Y	Y	Y	Y	Y	Y
Element Type and Key	Y	Y	Y	Y	Y	Y
Device Name	Y	Y	Y	Y	Y	Y
System Name	Y	Y	Y	Y	Y	Y
System Description	Y	Y	Y	Y	Y	Y
Up Time	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y
Vendor Identity	Y	Y	Y	Y	Y	Y
Memory and CPU Usage	Y	Y	Y	Y	Y	Y
DRAM Free				Y		Y
DRAM Used				Y		Y
DRAM Usage		Y	Y		Y	
Flash Device Size	Y			Y		Y
NVRAM Size	Y					
Processor DRAM						
Sys Contact	Y	Y	Y	Y	Y	Y
Sys Location	Y	Y	Y	Y	Y	Y
Serial Number	Y	Y	Y	Y	Y	Y
File Systems						
IsVirtualElement						
AssociatedHypervisor				Y		Y
AssociatedVirtualMachine				Y		Y
AssociatedComputeServer				Y		Y
TimeZone						
cidsHealthSecMonAvailability			Y			
cidsHealthSecMonOverallHealth			Y			
cidsHealthSecMonSoftwareVersion			Y			
cidsHealthSecMonSignatureVersion			Y			

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
cidsHealthSecMonLicenseStatus			Y			
cidsHealthSecMonMainAppStatus			Y			
cidsHealthSecMonAnalysisEngineStatus			Y			
cidsHealthSecMonCollaborationAppStatus			Y			
cidsHealthSecMonByPassMode			Y			
cidsHealthSecMonMissedPktPctAndThresh			Y			
cidsHealthSecMonAnalysisEngMemPercent			Y			
cidsHealthSecMonSensorLoad			Y			
cidsHealthSecMonVirtSensorName			Y			
cidsHealthSecMonVirtSensorStatus			Y			
cidsHealthSecMonPartitionName			Y			
cidsHealthSecMonTotalPartitionSpace			Y			
IMO Name—IContext						
Name						
Bounded Connections						
IP Address Pools						
Forwarding Components List						
Traffic Descriptors List						
Tunnel Containers List						
Data Link Aggregation Containers List						
IMO Name—ISystemService						
Type						
Status						
Up Time	Y	Y			Y	
IMO Name—IServer						
Uuid						

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
Maximum Memory						
Effective Memory						
Ip Address						
Form Factor						
Operating System				Y		
Hard Drive Properties						
MemorySlot Properties						
Processor						
Operating Memory Speed						
associatedHypervisor						
AssociatedVEM						
IMO Name—IHardDriveProperties						
Model Name						
Drive Type						
Storage Capacity						
Status						
isFRU						
IMO Name—IMemorySlotProperties						
Slot Name						
Location						
Speed						
Memory Capacity						
Status						
IMO Name—IProcessor						
cpu						
coresperCpu						
Model						
Status						
Vendor						
ratedSpeed						
usedSpeed						
hyperThreadingEnabled						
ramSize						
nvRamSize						

Table 7-34 Hardware Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
name						
description						

Port

Table 7-35 Port Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—IPhysicalLayer						
Media Type	Y	Y		Y	Y	Y
Clocking Source						
Maximum Speed	Y	Y	Y	Y	Y	Y
Is Internal Port	Y	Y		Y	Y	Y
Discarded Bandwidth						
Dropped Bandwidth						
Input Bandwidth						
Output Bandwidth						
Discarded and Received Input Data Counters						
Dropped and Forward Output Data Counters						
Administrative Status	Y	Y	Y	Y	Y	Y
Operational Status	Y	Y		Y	Y	Y
Last Changed						
IANA Type	Y	Y			Y	
Containing CTPs						
Contained CTPs						
Port Alias	Y	Y	Y	Y	Y	Y
Location	Y	Y	Y	Y	Y	Y
Sending Alarms	Y	Y	Y	Y	Y	Y
Connector Description	Y					
Part ID	Y					
Connector Serial Num	Y					

Table 7-35 Port Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
Product	Y	Y	Y	Y	Y	Y
Status	Y	Y	Y	Y	Y	Y
Managed	Y	Y	Y	Y	Y	Y
AssociatedPluggable						
AinsSoak						
Reach						
WaveLength						
facilityId						
IMO Name—IDiscoveryProtocol						
DiscoveryProtocolType						
Info						

CDP

Table 7-36 CDP Attribute Support on Cisco Security Appliances—Cisco Prime Network Version 5.3

Attribute	ASA5550	ASA5580	IPS	ASA1KV	ASA 5585	VSG
IMO Name—ICdpService						
cdpHoldtime				Y		Y
cdpMessageInterval				Y		Y
cdpDeviceId				Y		Y
cdpState				Y		Y
cdpVersion				Y		Y
IMO Name—ICdpNeighbor						
remoteDeviceId				Y		Y
remotePortId				Y		Y
remoteIPAddress				Y		Y
localPortId				Y		Y



Support Information for Cisco U-EQAM

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco RF Gateway series in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 3.8 Reference Guide](#).

This chapter contains the following topics:

- [Cisco RF Gateway Series, page 8-1](#)
- [Supported Technologies on Cisco U-EQAM, page 8-4](#)

Cisco RF Gateway Series

This section includes the following information about Cisco RF Gateway 10 u-eqam (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco RF Gateway Series](#)):

This section contains the following topics:

- [Cisco RF Gateway 10—Supported Software Versions, page 8-1](#)
- [Cisco RF Gateway 10—Supported Topologies, page 8-2](#)
- [Cisco RF Gateway 10—Supported Modules, page 8-2](#)
- [Cisco RF Gateway 10—Supported Technologies, page 8-2](#)
- [Cisco RF Gateway 10—Supported Service Events, page 8-3](#)

Cisco RF Gateway 10—Supported Software Versions

Table 8-1 Supported Software Versions for Cisco RF Gateway 10—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(50)SQ4	4.0
IOS XE 3.2.1SQ	4.0

Cisco RF Gateway 10—Supported Topologies

Table 8-2 Supported Topologies for Cisco RF Gateway 10—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	4.0
Physical Layer	Physical Layer	4.0
L2 Fabric	L2 Fabric Link	4.2

Cisco RF Gateway 10—Supported Modules

Table 8-3 Supported Modules for Cisco RF Gateway 10—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
RFGW-X4516-10GE	4.0	RFGW supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)
RFGW-X45-SUP7-E	4.0	RFGW Supervisor 7-E, 4xSFP+ (10/1GE)
RFGW-10-RFSW1	4.0	RFGW RF switch v1
RFGW-DS48-1G	4.0	RFGW Universal Downstream Universal Edge QAM Card, 12 RF ports, 48 QAMs
RFGW-DS48	4.0	RFGW universal downstream edge QAM card, 12 RF ports, 48 QAMs
RFGW-DS384	4.0	RFGW DS384 Universal Downstream EQAM Card, base hardware
RFGW-TCC1	4.0	RFGW timing, communication, and control card v1
RFGW-10-PWR-DC1	4.0	RFGW DC PEM with monitoring v1
RFGW-10-FAN-ASSY	4.0	RFGW-10 fan assembly

Cisco RF Gateway 10—Supported Technologies

The following technologies are supported by the Cisco RF Gateway 10 in Cisco Prime Network Version 5.3:

- [IP, page 8-4](#)
- [Ethernet, page 8-8](#)
- [Security, page 8-14](#)
- [Hardware, page 8-15](#)
- [CDP, page 8-22](#)
- [DTI, page 8-23](#)
- [QAMDomainContainer, page 8-24](#)

- [QAMDomain](#), page 8-24
- [CableDownstreamChannels](#), page 8-25

Cisco RF Gateway 10—Supported Service Events

Table 8-4 Supported Service Events for Cisco RF Gateway 10—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Card Down	4.0	Y
Card In	4.0	Y
Card Out	4.0	Y
Card Up	4.0	Y
CPU utilization exceeded upper threshold	4.0	Y
CPU utilization less than lower threshold	4.0	Y
Device Unreachable	4.0	Y
Device Unsupported	4.0	Y
Fan-tray down	4.0	Y
Fan-tray out	4.0	Y
Interface Status Down/Up	4.0	Y
Link Down	4.0	Y
Link down due to admin down	4.0	Y
Link down due to Card event	4.0	Y
Link down due to oper down	4.0	Y
Link up	4.0	Y
Memory utilization exceeded upper threshold	4.0	Y
Memory utilization less than lower threshold	4.0	Y
Module Unsupported	4.0	Y
Pluggable transceiver out	4.0	Y
Port Down	4.0	Y
Port down due to admin	4.0	Y
Port down due to Card down	4.0	Y
Port down due to Card out	4.0	Y
Port down due to oper	4.0	Y
Power-supply down	4.0	Y

Table 8-4 Supported Service Events for Cisco RF Gateway 10—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Power-supply out	Prime Network 4.0	Y

Supported Technologies on Cisco U-EQAM

The following sections list the objects and attributes that are supported on Cisco u-eqam in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 8-4](#)
- [Ethernet, page 8-8](#)
- [Security, page 8-14](#)
- [Hardware, page 8-15](#)
- [CDP, page 8-22](#)
- [DTI, page 8-23](#)
- [QAMDomainContainer, page 8-24](#)
- [QAMDomain, page 8-24](#)
- [CableDownstreamChannels, page 8-25](#)

IP

Table 8-5 IP Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—IIPInterface	
IP Address	Y
Subnetwork Mask	Y
IP Interface Addresses Array	Y
Interface Name	Y
Interface Description	Y
IP Interface State	Y
OSPF Interface Cost	
Broadcast Address	
MTU	

Table 8-5 IP Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IRoutingEntity	
Routing Table	Y
ARP Entity	Y
Routing Table Changes	
Name	Y
Logical Sons	Y
Multicast Routing Table	
IMO Name—IRoutingEntry	
Destination IP Subnet	Y
Next Hop IP Address	Y
Type	Y
Routing Protocol Type	Y
Outgoing Interface Name	Y
IMO Name—IARPEntity	
ARP Table	Y
IMO Name—IARPEntity	
IP Address	Y
MAC Address	Y
Port	Y
Entry Type	Y

Table 8-5 IP Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFW-10
IMO Name—IIPPool	
IP Address Pool Entries	
Name	
IMO Name—IIPPoolEntry	
Free Address	
Reserved Address	
Address In Use	
Group Name	
Pool Type	
Status	
Priority	
VRF Oid	
IMO Name—IIPRangeBasedIPPoolEntry	
Range Start	
Range End	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—IIPSubnetBasedIPPoolEntry	
IP Subnet	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—HSRPGroupEntry	
Group Number	
Port Description	
Priority	
Coupled Router	
State	
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	

Table 8-5 IP Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
IMO Name—I TunnelGRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IANA Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
IMO Name—IVrrpGroupEntry	
Group Number	
State	
Port Description	
Master IP Address	
Primary IP Address	
Priority	
Virtual Mac Address	
Preempt Mode	
Admin State	
Advertisement Interval	
Tracking Interfaces	
IMO Name—IIPSLAResponderService	
responderStatus	
TWAMPResponderStatus	
tcpConnect	
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Ethernet

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO	
Name—ILinkAggregationGroup802dot3ad	
dot3adAggMACAddress	
dot3adAggActorSystemPriority	
dot3adAggActorSystemID	
dot3adAggActorAdminKey	
dot3adAggActorOperKey	
dot3adAggPartnerSystemID	
dot3adAggPartnerSystemPriority	
dot3adAggPartnerOperKey	
dot3adAggCollectorMaxDelay	
GroupNumber	
AggregationProtocolType	
MacAddress	
ChannelAdminStatus	
ChannelOperStatus	
lagLoadBalancingType	
bandWidth	
LinkType	
IMO Name—IEthernet	
MAC Address	Y
Duplex Mode	
Output Flow Control	
Input Flow Control	
IANA Type	
Containing CTPs	
Contained CTPs	
Port Type	
isElmiEnabled	Y
isLOAMEnabled	Y
AutoNegotiate	Y

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
FCID (Soft Property)	
WWN (Soft Property)	
FlowControl	
IMO Name—IVlanInterface	
Mode	
Native VLAN Identification	
Virtual LAN Table	
IANA Type	
Containing CTPs	
Contained CTPs	
vlanAdminType	
vlanencapType	
getAccess	
Allowed Vlans	
IMO Name—IVlanEncapMux	
IANA Type	
Containing CTPs	
Contained CTPs	
discoveryProtocols	
ingressPolicy	
egressPolicy	
controlPolicy	
type	
ID	
egressSpeed	
ingressSpeed	
IMO Name—IVlanMapping	
direction	
vlanMatchCriteria	
vlanRewriteDefinition	
Drop	
Vlan	
innerVlan	
translatedVlan	

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

	RFGW-10
Attribute	
translatedInnerVlan	
IMO Name—IClientBridgeEfp	
efpId	
interfaceName	
translatedInnerVLAN	
vlan	
innerVlan	
operationalState	
administrativeState	
translatedVlan	
RewriteDefinition	
VlanMatchCriteria	
IMO Name—IIEEE802	
VLAN Identification	
Binding Information	
Binding Status	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IStpService	
StpProtocol	
StpMaxAge	
StpHelloTime	
StpBridgeForwardDelay	
StpInstanceInfoTable	
Same as ISystemService	
StpUplinkFastState	
StpBackboneFastState	
StpForwardDelay	
StpBridgeMaxAge	
StpBridgeHelloTime	
IMO Name—IMstService	
MstProperties	
Same as IStpService	

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
IMO Name—IPvstpService	
UpLinkFast	
BackboneFast	
IMO Name—IMstProperties	
MstForceVersion	
MstCfgIdFmtSel	
MstExternalRootCost	
MstMaxInstances	
MstCfgIdName	
MstCfgIdRevLevel	
IMO Name—IStpInstanceInfo	
Object Identification	
StpBridgeId	
BridgePriority	
Designated Parent and Root Bridges	
StpRootCost	
IsRoot	
StpRootPort	
StpPortInfoTable	
STP Instance Id	
Vlan Id	
StpDesignatedBridge	
StpDesignatedRoot	
IMO Name—IMstInstanceInfo	
MstVlanIds	
Same as IStpInstanceInfo	
IMO Name—IPvstpInstanceInfo	
Protocol Type	
StpBridgeMaxAge	
StpBridgeHelloTime	
StpBridgeForwardDelay	
StpProtocolSpecification	
StpVlanId	
StpForwardDelay	

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
StpMaxAge	
IMO Name—IRstpInstanceInfo	
StpForceVersion	
Same as IStpInstanceInfo	
IMO Name—IStpPortInfo	
StpPort	
StpPortPriority	
StpPortState	
StpPortPathCost	
StpPortEdgePort	
StpPortPointToPoint	
StpPortRole	
StpDesignatedPortIdentifier	
StpDesignatedBridge	
StpPortIdentifier	
StpPortBpduGuardState	
StpPortBpduFilterState	
IMO Name—IMstPortInfo	
MstPortHelloTime	
Same as IStpPortInfo	
IMO Name—IPvstpPortInfo	
PvstpPortFastState	
IMO Name—IEthernetChannel	
Group Number	
Bandwidth	
Aggregation Protocol	
IANA Type	
Containing CTPs	
Contained CTPs	
Mac Address	
Admin Status	
Oper Status	
IMO Name—ITokenRingLayer2	
MAC Address	

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—ITokenRingLayer1	
Same as IPhysicalLayer	
IMO Name—IBridge	
Bridge Table	Y
Type	Y
MAC Address	Y
IP Interface	Y
Name	Y
Logical Sons	Y
Vlan Type	Y
IMO Name—IBridgeEntry	
Destination MAC	Y
Outgoing Interface	Y
IMO Name—IVtpService	
Version	
OperatingMode	
DomainName	
ConfigurationRevision	
isPruningEnabled	
isAuthenticationEnabled	
IMO Name—IREPService	
version	
administrativeVlan	
notificationEnabled	
IMO Name—IREPSegmentInfo	
segmentId	
segmentComplete	
IMO Name—IREPPortInfo	
portName	
portKey	
segmentId	

Table 8-6 Ethernet Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
portType	
portRole	
operStatus	
blockedVlans	
preemptTimer	
lslAgeoutTimer	
remoteDeviceName	
remoteDeviceMac	
remotePortName	
configuredLoadBalancingBlockedVlans	
IMO Name—IIBridgeLan	
Id	
IMO Name—IIBridgeEntry	
IS Id	
IBridge	
BBridge	
IMO Name—IEfp	
egressSpeed	
ingressSpeed	

Security

Table 8-7 Security Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—IAccessList	
Type	Y
Access List Entries	Y
Name or Id	Y
Index	Y
IMO Name—IAccessListEntry	
Entry Identification	Y

Table 8-7 Security Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
Action Logic	Y
Source and Destination Address	Y
Source and Destination Wildcard	Y
Protocol Type	Y
Source and Destination Port Ranges	Y
Source and Destination Port Action	Y
Protocol Specific Info	Y
Differential Services Code Points	Y
Type of Service	Y
Precedence	Y
Matches	Y

Hardware

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—IChassis	
Description	Y
Equipment Holder Type	Y
Contained Equipment Holders	
Contained Equipments	
Serial Number	Y
Configuration State (Soft property)	
Operability (Soft property)	
Power (Soft property)	
Thermal (Soft property)	
Name (Soft property)	
PID (Soft property)	

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
VID (Soft property)	
Role (Soft property)	
Status	
OperState	
AdminState	
Discvory State	
Model	
Connection Path	
AvailState	
Admin Power	
Assoc State	
Oper Power	
Connection Status	
Managing Instance	
No.. of Processors	
Low Voltage memory	
Effective Memory	
CheckPoint	
Total Memory	
Operating Memory Speed	
Slot Status	
Cores	
Threads	
No.. of Adapters	
No.. of HBA ports	
No.. of NIC ports	
UUID	
IP Address (Soft property)	
IMO Name—IShelf	
Description	
Status	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	Y
Software Version	Y
Operational Status	Y
Hardware Type + Version	Y
Managed IP Address	
Redundant Equipment	Y
Configured Redundancy	Y
Redundancy Status	Y
Operational Status Last Changed	Y
Supported Physical Termination Points	Y
Serial Number (soft property)	Y
Model	
Operability	
Integrated	
Admin State(Soft property)	
Discovery State(Soft property)	
Power State (Soft property)	
Slot ID (Soft property)	
Chassis ID (Soft property)	
Name (Soft property)	
Description (Soft property)	
PID (Soft property)	
VID (Soft property)	
Avail State (Soft property)	
Assoc State (Soft property)	
Slot Status (Soft property)	
Check Point (Soft property)	
Number Of Processor (Soft property)	
Effective Memory (Soft property)	

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
Total Memory (Soft property)	
Operating Memory Speed (Soft property)	
Operating Memory Voltage (Soft property)	
Slot Number (Soft property)	
Part Number (Soft property)	
Running Version (Soft property)	
Package Version (Soft property)	
Backup Version (Soft property)	
Update Status (Soft property)	
Startup Version (Soft property)	
Activate Status (Soft property)	
Slots Number	Y
HostName (Soft Property)	
MgmtIP (Soft Property)	
TypeName (Soft Property)	
vCPU (Soft Property)	
haStatus (Soft Property)	
status (Soft Property)	
location (Soft Property)	
swVersion (Soft Property)	
domainId (Soft Property)	
haPrimaryRole (Soft Property)	
haPrimaryStatus (Soft Property)	
primaryStatus (Soft Property)	
primaryLocation (Soft Property)	
primarySwVersion (Soft Property)	
haSecondaryRole (Soft Property)	
haSecondaryStatus (Soft Property)	
secondaryStatus (Soft Property)	

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
secondaryLocation (Soft Property)	
secondarySwVersion (Soft Property)	
AssociatedComputeServer	
AssociatedHost	
AssociatedEntity	
EquipmentType	
IMO Name—IPowerSupply	
Same as IModule	Y
IMO Name—IFanTray	
Same as IModule	Y
IMO Name—IPluggableTransceiver	
ConnectorDescription	Y
PID	Y
ConnectorSerialNumber	Y
ConnectorType	Y
PluggablePortState	Y
PluggableType	Y
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	Y
DRAM Free	Y
DRAM Used	Y
DRAM Usage	Y

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
Flash Device Size	Y
NVRAM Size	Y
Processor DRAM	Y
Sys Contact	Y
Sys Location	Y
Serial Number	Y
File Systems	
IsVirtualElement	
AssociatedHypervisor	
AssociatedVirtualMachine	
AssociatedComputeServer	
TimeZone	
cidsHealthSecMonAvailability	
cidsHealthSecMonOverallHealth	
cidsHealthSecMonSoftwareVersion	
cidsHealthSecMonSignatureVersion	
cidsHealthSecMonLicenseStatus	
cidsHealthSecMonMainAppStatus	
cidsHealthSecMonAnalysisEngineStatus	
cidsHealthSecMonCollaborationAppStatus	
cidsHealthSecMonByPassMode	
cidsHealthSecMonMissedPktPctAndThresh	
cidsHealthSecMonAnalysisEngMemPercent	
cidsHealthSecMonSensorLoad	
cidsHealthSecMonVirtSensorName	
cidsHealthSecMonVirtSensorStatus	

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
cidsHealthSecMonPartitionName	
cidsHealthSecMonTotalPartitionSpace	
IMO Name—IContext	
Name	
Bounded Connections	
IP Address Pools	
Forwarding Components List	
Traffic Descriptors List	
Tunnel Containers List	
Data Link Aggregation Containers List	
IMO Name—ISystemService	
Type	
Status	
Up Time	
IMO Name—IServer	
Uuid	
Maximum Memory	
Effective Memory	
Ip Address	
Form Factor	
Operating System	
Hard Drive Properties	
MemorySlot Properties	
Processor	
Operating Memory Speed	
associatedHyperviosr	
AssociatedVEM	
IMO Name—IHardDriveProperties	
Model Name	
Drive Type	
Storage Capacity	
Status	

Table 8-8 Hardware Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
isFRU	
IMO Name—IMemorySlotProperties	
Slot Name	
Location	
Speed	
Memory Capacity	
Status	
IMO Name—IProcessor	
cpu	
coresperCpu	
Model	
Status	
Vendor	
ratedSpeed	
usedSpeed	
hyperThreadingEnabled	
ramSize	
nvRamSize	
name	
description	

CDP

Table 8-9 CDP Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—ICdpService	
cdpHoldtime	Y
cdpMessageInterval	Y
cdpDeviceId	Y
cdpState	Y
cdpVersion	Y

Table 8-9 CDP Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
IMO Name—ICdpNeighbor	
remoteDeviceId	Y
remotePortId	Y
remoteIPAddress	Y
localPortId	Y

DTI

Table 8-10 DTI Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—IDTIClient	
DTIClientTableEntries	Y
IMO Name—IDTIClientPortStatus	
DTIClientStatus	Y
ClientStatus	Y
ClockType	Y
Timestamp	Y
DtiVersion	Y
NormalTime	Y
Portstatus	Y
SignalDetected	Y
CrcErrorCount	Y
FrameErrorRate	Y
CableAdvance	Y
IMO Name—IDTIServer	
status	Y
rootServerClockType	Y
rootServerSource	Y
serverType	Y
clientPerformanceStable	Y
clientCableAdvanceValid	Y

Table 8-10 DTI Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3 (Continued)

Attribute	RFGW-10
TimeOfDaySettingMode	Y
timeOfDay	Y

QAMDomainContainer

Table 8-11 QAMDomainContainer Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—IQAMDomainContainer	
QAMDomains	Y

QAMDomain

Table 8-12 QAMDomain Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO Name—IQAMDomain	
qamDomainId	Y
qamBlocks	Y
localIPAddress	Y
remoteIPAddress	Y
udpStartPort	Y
udpEndPort	Y

CableDownstreamChannels

Table 8-13 CableDownstreamChannels Attribute Support on Cisco U-EQAM—Cisco Prime Network Version 5.3

Attribute	RFGW-10
IMO	
Name—ICableDownstreamChannels	
Channel Id	Y
Port Name	
Modulation	Y
Bandwidth	Y
Frequency	Y
Power	Y
Interleave	Y
Associated Port	
Channel Status	Y
Channel Name	Y



Support Information for Cisco Access Servers

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco access servers in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 3.8 Reference Guide](#).

This chapter contains the following topics:

- [Cisco Access Server 5800 Series, page 9-1](#)
- [Supported Technologies on Cisco Access Servers, page 9-3](#)

Cisco Access Server 5800 Series

This section includes the following information about Cisco AS 5800 Series access servers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Access Server 5800 Series](#)):

This section contains the following topics:

- [Cisco AS 5800 Series—Supported Software Versions, page 9-1](#)
- [Cisco AS 5800 Series—Supported Topologies, page 9-2](#)
- [Cisco AS 5800 Series—Supported Modules, page 9-2](#)
- [Cisco AS 5800 Series—Supported Technologies, page 9-2](#)
- [Cisco AS 5800 Series—Supported Service Events, page 9-3](#)

Cisco AS 5800 Series—Supported Software Versions

Table 9-1 Supported Software Versions for Cisco AS 5800 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.1(11b)	3.7.1

Cisco AS 5800 Series—Supported Topologies

Table 9-2 Supported Topologies for Cisco AS 5800 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7.1
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco AS 5800 Series—Supported Modules

Table 9-3 Supported Modules for Cisco AS 5800 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
1.3.6.1.4.1.9.12.3.1.9.12	3.7.1	
AS5800-DSC	3.7.1	Dial Shelf Controller
1.3.6.1.4.1.9.12.3.1.9.12.10	3.7.1	
1.3.6.1.4.1.9.12.3.1.9.12.2	3.7.1	12 Port CE1
1.3.6.1.4.1.9.12.3.1.9.12.3	3.7.1	
1.3.6.1.4.1.9.12.3.1.9.12.4	3.7.1	
1.3.6.1.4.1.9.12.3.1.9.12.5	3.7.1	
1.3.6.1.4.1.9.12.3.1.9.12.6	3.7.1	
1.3.6.1.4.1.9.12.3.1.9.12.7	3.7.1	144 Port MICA Modem
1.3.6.1.4.1.9.12.3.1.9.12.8	3.7.1	
1.3.6.1.4.1.9.12.3.1.9.12.9	3.7.1	
AS5800-1FE-DSI	3.7.1	1FE Dial Shelf Interconnect

Cisco AS 5800 Series—Supported Technologies

The following technologies are supported by the Cisco AS 5800 Series in Cisco Prime Network Version 5.3:

- [IP, page 9-4](#)
- [Routing Protocols, page 9-7](#)
- [Ethernet, page 9-9](#)
- [TDM/DSx, page 9-16](#)
- [Security, page 9-19](#)
- [Hardware, page 9-20](#)

- [Port, page 9-27](#)

Cisco AS 5800 Series—Supported Service Events

Table 9-4 Supported Service Events for Cisco AS 5800 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
Card Out	3.7.1	Y
Card In	3.7.1	Y
CPU Overutilized	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	N
Memory Overutilized	3.7.1	N
MPLS Black Hole Found	3.7.1	N

Supported Technologies on Cisco Access Servers

The following sections list the objects and attributes that are supported on Cisco access servers in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 9-4](#)
- [Routing Protocols, page 9-7](#)
- [Ethernet, page 9-9](#)
- [TDM/DSx, page 9-16](#)
- [Security, page 9-19](#)
- [Hardware, page 9-20](#)
- [Port, page 9-27](#)

IP

Table 9-5 IP Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IIPInterface	
IP Address	Y
Subnetwork Mask	Y
IP Interface Addresses Array	Y
Interface Name	Y
Interface Description	Y
IP Interface State	Y
OSPF Interface Cost	
Broadcast Address	
MTU	
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IRoutingEntity	
Routing Table	Y
ARP Entity	Y
Routing Table Changes	
Name	
Logical Sons	Y
Multicast Routing Table	
IMO Name—IRoutingEntry	
Destination IP Subnet	Y

Table 9-5 IP Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5800
Next Hop IP Address	Y
Type	Y
Routing Protocol Type	Y
Outgoing Interface Name	Y
IMO Name—IARPEntity	
ARP Table	Y
IMO Name—IARPEntity	
IP Address	Y
MAC Address	Y
Port	Y
Entry Type	Y
IMO Name—IIPPool	
IP Address Pool Entries	
Name	
IMO Name—IIPPoolEntry	
Free Address	
Reserved Address	
Address In Use	
Group Name	
Pool Type	
Status	
Priority	
VRF Oid	
IMO Name—IIPRangeBasedIPPoolEntry	
Range Start	
Range End	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—IIPSubnetBasedIPPoolEntry	
IP Subnet	
Unused Addresses	
Used Addresses	
Reserved Addresses	

Table 9-5 IP Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5800
IMO Name—HSRPGroupEntry	
Group Number	
Port Description	
Priority	
Coupled Router	
State	
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	
IMO Name—ITunnelGRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IANA Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
IMO Name—IVrrpGroupEntry	
Group Number	
State	
Port Description	
Master IP Address	
Primary IP Address	
Priority	
Virtual Mac Address	
Preempt Mode	
Admin State	
Advertisement Interval	
Tracking Interfaces	
IMO Name—IIPSLAResponderService	
responderStatus	
TWAMPResponderStatus	
tcpConnect	

Table 9-5 IP Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5800
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Routing Protocols

Table 9-6 Routing Protocols Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IBgpNeighborEntry	
Remote Identifier	
Neighbor Type	
Distributing Interfaces	
Remote Address	
Remote Autonomous System	
Peer State	
Peer AdminState	
Hold Time	
Keep Alive Time	
VrfName	
Adress family	
IMO Name—IOspfEntry	
Area Identifier	Y
IP Address	Y
Type	Y
Administrative Status	Y
Ospf Entry State	Y
IMO Name—IOspfProcess	
Process Id	
OSPF Version	
Router Id	

Table 9-6 Routing Protocols Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IOSpfNeighbor	
Neighbor Id	
Outgoing Interface	
State	
Neighbor Interface Address	
Area Id	
IMO Name—IOSpfInterface	
Area Id	
Network Type	
Cost	
State	
Interface Address	
Type	
IF Proirity	
DR Id	
BDR Id	
IMO Name—IISpfTimers	
Schedule Delay	
Min Hold Time	
Max Wait Time	
IMO Name—IISISProcess	
ISIS Version	
Manual Area Address	
IS Type	
System Id	
Process Id	
IMO Name—IISISMetric	
IS Type	
Metric Style	
Metric Value	
Adress Family	
IMO Name—IISISInterface	
Interface Name	
IMO Name—IISISNeighbor	
IS Type	

Table 9-6 Routing Protocols Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
System Id	
Admin State	
Hold Time	
SNPA	
Interface Name	
IP Address	
Adress Family	

Ethernet

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO	
Name—ILinkAggregationGroup802dot3ad	
dot3adAggMACAddress	
dot3adAggActorSystemPriority	
dot3adAggActorSystemID	
dot3adAggActorAdminKey	
dot3adAggActorOperKey	
dot3adAggPartnerSystemID	
dot3adAggPartnerSystemPriority	
dot3adAggPartnerOperKey	
dot3adAggCollectorMaxDelay	
GroupNumber	
AggregationProtocolType	
MacAddress	
ChannelAdminStatus	
ChannelOperStatus	
lagLoadBalancingType	
bandWidth	
LinkType	

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IEthernet	
MAC Address	Y
Duplex Mode	
Output Flow Control	Y
Input Flow Control	Y
IANA Type	
Containing CTPs	
Contained CTPs	
Port Type	
isElmiEnabled	
isLOAMEnabled	
AutoNegotiate	
FCID (Soft Property)	
WWN (Soft Property)	
FlowControl	
IMO Name—IVlanInterface	
Mode	
Native VLAN Identification	
Virtual LAN Table	
IANA Type	
Containing CTPs	
Contained CTPs	
vlanAdminType	
vlanencapType	
getAccess	
Allowed Vlans	
IMO Name—IVlanEncapMux	
IANA Type	
Containing CTPs	
Contained CTPs	
discoveryProtocols	
ingressPolicy	
egressPolicy	
controlPolicy	
type	

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
ID	
egressSpeed	
ingressSpeed	
IMO Name—IVlanMapping	
direction	
vlanMatchCriteria	
vlanRewriteDefinition	
Drop	
Vlan	
innerVlan	
translatedVlan	
translatedInnerVlan	
IMO Name—IClientBridgeEfp	
efpId	
interfaceName	
translatedInnerVLAN	
vlan	
innerVlan	
operationalState	
administrativeState	
translatedVlan	
RewriteDefinition	
VlanMatchCriteria	
IMO Name—IIEEE802	
VLAN Identification	
Binding Information	
Binding Status	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IStpService	
StpProtocol	
StpMaxAge	
StpHelloTime	
StpBridgeForwardDelay	

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
StpInstanceInfoTable	
Same as ISystemService	
StpUplinkFastState	
StpBackboneFastState	
StpForwardDelay	
StpBridgeMaxAge	
StpBridgeHelloTime	
IMO Name—IMstService	
MstProperties	
Same as IStpService	
IMO Name—IPvstpService	
UpLinkFast	
BackboneFast	
IMO Name—IMstProperties	
MstForceVersion	
MstCfgIdFmtSel	
MstExternalRootCost	
MstMaxInstances	
MstCfgIdName	
MstCfgIdRevLevel	
IMO Name—IStpInstanceInfo	
Object Identification	
StpBridgeId	
BridgePriority	
Designated Parent and Root Bridges	
StpRootCost	
IsRoot	
StpRootPort	
StpPortInfoTable	
STP Instance Id	
Vlan Id	
StpDesignatedBridge	
StpDesignatedRoot	

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IMstInstanceInfo	
MstVlanIds	
Same as IStpInstanceInfo	
IMO Name—IPvstpInstanceInfo	
Protocol Type	
StpBridgeMaxAge	
StpBridgeHelloTime	
StpBridgeForwardDelay	
StpProtocolSpecification	
StpVlanId	
StpForwardDelay	
StpMaxAge	
IMO Name—IRstpInstanceInfo	
StpForceVersion	
Same as IStpInstanceInfo	
IMO Name—IStpPortInfo	
StpPort	
StpPortPriority	
StpPortState	
StpPortPathCost	
StpPortEdgePort	
StpPortPointToPoint	
StpPortRole	
StpDesignatedPortIdentifier	
StpDesignatedBridge	
StpPortIdentifier	
StpPortBpduGuardState	
StpPortBpduFilterState	
IMO Name—IMstPortInfo	
MstPortHelloTime	
Same as IStpPortInfo	
IMO Name—IPvstpPortInfo	
PvstpPortFastState	
IMO Name—IEthernetChannel	
Group Number	

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
Bandwidth	
Aggregation Protocol	
IANA Type	
Containing CTPs	
Contained CTPs	
Mac Address	
Admin Status	
Oper Status	
IMO Name—ITokenRingLayer2	
MAC Address	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—ITokenRingLayer1	
Same as IPhysicalLayer	
IMO Name—IBridge	
Bridge Table	
Type	
MAC Address	
IP Interface	
Name	
Logical Sons	
Vlan Type	
IMO Name—IBridgeEntry	
Destination MAC	
Outgoing Interface	
IMO Name—IVtpService	
Version	
OperatingMode	
DomainName	
ConfigurationRevision	
isPruningEnabled	
isAuthenticationEnabled	
IMO Name—IREPService	
version	

Table 9-7 Ethernet Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
administrativeVlan	
notificationEnabled	
IMO Name—IREPSegmentInfo	
segmentId	
segmentComplete	
IMO Name—IREPPortInfo	
portName	
portKey	
segmentId	
portType	
portRole	
operStatus	
blockedVlans	
preemptTimer	
lslAgeoutTimer	
remoteDeviceName	
remoteDeviceMac	
remotePortName	
configuredLoadBalancingBlockedVlans	
IMO Name—IBridgeILan	
Id	
IMO Name—IIBBridgeEntry	
IS Id	
IBridge	
BBridge	
IMO Name—IEfp	
egressSpeed	
ingressSpeed	

TDM/DSx

Table 9-8 TDM/DSx Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IDS0Bundle	
Bundled Time Slots	
Bundle Location	
IANA Type	
Containing CTPs	
Contained CTPs	
AdminStatus	
OperStatus	
Encapsulation	
Id	
IMO Name—IDS1Pdh / IDS3Pdh	
Framing Type	
Cell Mapping Type	
Loopback Type	
Scrambling Mode	
Same as IPhysicalLayer	
portDescription	Y
internationalBit	
nationalBits	
framing	
lineCode	
cableLength	
recoveredClockingId	
clocking	
loopback	
alarmState	Y
IMO Name—IClockService	
ActiveClockSource	
NcsMode	
HoldTimeout	
UseStratum4	
Mode	
NcsPriorityList	

Table 9-8 TDM/DSx Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
PtpService	
ClockSourceTable	
PseudowireClockRecovery	
SynchronousEthernet	
IMO Name—IClockSource	
Priority	
Source	
Status	
Type	
IMO Name—IPtpService	
Mode	
ClockId	
Domain	
Priority1	
Priority2	
PtpEnabled	
PtpInterfaceList	
ptpState	
IMO Name—IPtpInterface	
Version	
AnnounceInterval	
AnnounceTimeout	
DestinationAddress	
SourceAddress	
DelayReq	
MasterMode	
SlaveMode	
SyncInterval	
SyncLimit	
InterfaceXid	
Role	
Transport	
State	
IMO Name—IACRService	
RecoveredClockSource	

Table 9-8 TDM/DSx Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
RecoveredClockMode	
CemInterface	
RecoveredClockList	
IMO Name—IRecoveredClock	
ClockId	
RecoveredClockMode	
Port	
Cem	
Status	
FrequencyOffset	
CEMGroupId	
CEMInterfaceName	
TransferType	
IMO Name—ICEMEncap	
cemIfName	
IMO Name—ICEMGroup	
IdlePattern	
IdleCAS	
DeJitter	
PayloadSize	
RTP	
RTPHeader	
TimeSlots	
AdminStatus	
OperStatus	
IMO Name—ISyncE	
synchronousMode	
equipmentClock	
clockMode	
ssmOption	
esmcMode	
holdOffTimer	
waitToRestore	
Revertive	

Table 9-8 TDM/DSx Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IISyncEInterface	
InterfaceName	
selectionInput	
ingressESMCMode	
egressESMCMode	
ingressQLMode	
ingressQuality	
egressQLMode	
egressQuality	
waitToRestore	
holdOffTimer	
ingressConfQuality	
egressConfQuality	
Priority	
ingressSSM	
egressSSM	
clockModeStr	

Security

Table 9-9 Security Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IAccessList	
Type	Y
Access List Entries	Y
Name or Id	Y
Index	Y
IMO Name—IAccessListEntry	
Entry Identification	
Action Logic	
Source and Destination Address	
Source and Destination Wildcard	
Protocol Type	

Table 9-9 Security Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
Source and Destination Port Ranges	
Source and Destination Port Action	
Protocol Specific Info	
Differential Services Code Points	
Type of Service	
Precedence	
Matches	

Hardware

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IChassis	
Description	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	Y
Configuration State (Soft property)	
Operability (Soft property)	
Power (Soft property)	
Thermal (Soft property)	
Name (Soft property)	
PID (Soft property)	
VID (Soft property)	
Role (Soft property)	
Status	
OperState	
AdminState	
Discvory State	

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
Model	
Connection Path	
AvailState	
Admin Power	
Assoc State	
Oper Power	
Connection Status	
Managing Instance	
No.. of Processors	
Low Voltage memory	
Effective Memory	
CheckPoint	
Total Memory	
Operating Memory Speed	
Slot Status	
Cores	
Threads	
No.. of Adapters	
No.. of HBA ports	
No.. of NIC ports	
UUID	
IP Address (Soft property)	
IMO Name—IShelf	
Description	
Status	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	Y
Software Version	
Operational Status	Y
Hardware Type + Version	Y

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
Managed IP Address	
Redundant Equipment	
Configured Redundancy	
Redundancy Status	
Operational Status Last Changed	
Supported Physical Termination Points	
Serial Number (soft property)	
Model	
Operability	
Integrated	
Admin State(Soft property)	
Discovery State(Soft property)	
Power State (Soft property)	
Slot ID (Soft property)	
Chassis ID (Soft property)	
Name (Soft property)	
Description (Soft property)	
PID (Soft property)	
VID (Soft property)	
Avail State (Soft property)	
Assoc State (Soft property)	
Slot Status (Soft property)	
Check Point (Soft property)	
Number Of Processor (Soft property)	
Effective Memory (Soft property)	
Total Memory (Soft property)	
Operating Memory Speed (Soft property)	
Operating Memory Voltage (Soft property)	
Slot Number (Soft property)	
Part Number (Soft property)	

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
Running Version (Soft property)	
Package Version (Soft property)	
Backup Version (Soft property)	
Update Status (Soft property)	
Startup Version (Soft property)	
Activate Status (Soft property)	
Slots Number	
HostName (Soft Property)	
MgmtIP (Soft Property)	
TypeName (Soft Property)	
vCPU (Soft Property)	
haStatus (Soft Property)	
status (Soft Property)	
location (Soft Property)	
swVersion (Soft Property)	
domainId (Soft Property)	
haPrimaryRole (Soft Property)	
haPrimaryStatus (Soft Property)	
primaryStatus (Soft Property)	
primaryLocation (Soft Property)	
primarySwVersion (Soft Property)	
haSecondaryRole (Soft Property)	
haSecondaryStatus (Soft Property)	
secondaryStatus (Soft Property)	
secondaryLocation (Soft Property)	
secondarySwVersion (Soft Property)	
AssociatedComputeServer	
AssociatedHost	
AssociatedEntity	
EquipmentType	

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IPowerSupply	
Same as IModule	
IMO Name—IFanTray	
Same as IModule	
IMO Name—IPluggableTransceiver	
ConnectorDescription	
PID	
ConnectorSerialNumber	
ConnectorType	
PluggablePortState	
PluggableType	
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	Y
DRAM Free	
DRAM Used	
DRAM Usage	
Flash Device Size	Y
NVRAM Size	Y
Processor DRAM	
Sys Contact	Y
Sys Location	Y
Serial Number	Y
File Systems	
IsVirtualElement	

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
AssociatedHypervisor	
AssociatedVirtualMachine	
AssociatedComputeServer	
TimeZone	
cidsHealthSecMonAvailability	
cidsHealthSecMonOverallHealth	
cidsHealthSecMonSoftwareVersion	
cidsHealthSecMonSignatureVersion	
cidsHealthSecMonLicenseStatus	
cidsHealthSecMonMainAppStatus	
cidsHealthSecMonAnalysisEngineStatus	
cidsHealthSecMonCollaborationAppStatus	
cidsHealthSecMonByPassMode	
cidsHealthSecMonMissedPktPctAndThresh	
cidsHealthSecMonAnalysisEngMemPercent	
cidsHealthSecMonSensorLoad	
cidsHealthSecMonVirtSensorName	
cidsHealthSecMonVirtSensorStatus	
cidsHealthSecMonPartitionName	
cidsHealthSecMonTotalPartitionSpace	
IMO Name—IContext	
Name	
Bounded Connections	
IP Address Pools	
Forwarding Components List	

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
Traffic Descriptors List	
Tunnel Containers List	
Data Link Aggregation Containers List	
IMO Name—ISystemService	
Type	
Status	
Up Time	
IMO Name—Iserver	
Uuid	
Maximum Memory	
Effective Memory	
Ip Address	
Form Factor	
Operating System	
Hard Drive Properties	
MemorySlot Properties	
Processor	
Operating Memory Speed	
associatedHyperviosr	
AssociatedVEM	
IMO Name—IHardDriveProperties	
Model Name	
Drive Type	
Storage Capacity	
Status	
isFRU	
IMO Name—IMemorySlotProperties	
Slot Name	
Location	
Speed	
Memory Capacity	
Status	
IMO Name—IProcessor	
cpu	

Table 9-10 Hardware Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
coresperCpu	
Model	
Status	
Vendor	
ratedSpeed	
usedSpeed	
hyperThreadingEnabled	
ramSize	
nvRamSize	
name	
description	

Port

Table 9-11 Port Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3

Attribute	AS5800
IMO Name—IPhysicalLayer	
Media Type	
Clocking Source	
Maximum Speed	Y
Is Internal Port	
Discarded Bandwidth	
Dropped Bandwidth	
Input Bandwidth	
Output Bandwidth	
Discarded and Received Input Data Counters	Y
Dropped and Forward Output Data Counters	Y
Administrative Status	Y
Operational Status	Y
Last Changed	Y
IANA Type	

Table 9-11 Port Attribute Support on Cisco Access Servers—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5800
Containing CTPs	
Contained CTPs	
Port Alias	Y
Location	Y
Sending Alarms	Y
Connector Description	
Part ID	
Connector Serial Num	
Product	Y
Status	Y
Managed	Y
AssociatedPluggable	
AinsSoak	
Reach	
WaveLength	
facilityId	
IMO Name—IDiscoveryProtocol	
DiscoveryProtocolType	
Info	



Support Information for Cisco Gateways

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco gateways in Cisco Prime Network Version 5.3.

This chapter contains the following topics:

- [Cisco AS5300 Series Universal Gateways, page 10-1](#)
- [Supported Technologies on Cisco Gateways, page 10-4](#)

Cisco AS5300 Series Universal Gateways

This section includes the following information about Cisco AS5300 Series gateways (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco AS5300 Series Universal Gateways](#)):

This section contains the following topics:

- [Cisco AS5300 Series—Supported Software Versions, page 10-1](#)
- [Cisco AS5300 Series—Supported Topologies, page 10-2](#)
- [Cisco AS5300 Series—Supported Modules, page 10-2](#)
- [Cisco AS5300 Series—Supported Technologies, page 10-2](#)
- [Cisco AS5300 Series—Supported Service Events, page 10-3](#)

Cisco AS5300 Series—Supported Software Versions

Table 10-1 Supported Software Versions for Cisco AS5300 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.0(3)T1	3.6.0
12.1(10a)	3.6.0
12.1(11b)	3.6.0
12.1(22b)	3.6.0
12.19(22b)	3.6.0
12.3(10c)	3.6.0

Table 10-1 Supported Software Versions for Cisco AS5300 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.3(3)	3.6.0

Cisco AS5300 Series—Supported Topologies

Table 10-2 Supported Topologies for Cisco AS5300 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco AS5300 Series—Supported Modules

Table 10-3 Supported Modules for Cisco AS5300 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
AS5300-8CE1-4T	3.6.0	Octal Port Channelized E1/PRI and 4T Card
AS5300-AMAZON2-CARRIER	3.6.0	Access Server MICA Modem Carrier Card
PM-DTD-12M	3.6.0	MICA 12-Modem Module Card
CPU-AS5300	3.6.0	AS5300
AS5300-4CE1	3.6.0	Quad Port Channelized E1/PRI Card
AS5300-DTD-CARRIER	3.6.0	Access Server MICA Modem Carrier Card
PM-DTD-6M	3.6.0	MICA 6-Modem Module Card

Cisco AS5300 Series—Supported Technologies

The following technologies are supported by the Cisco AS5300 Series in Cisco Prime Network Version 5.3:

- [IP, page 10-4](#)
- [Ethernet, page 10-7](#)
- [Security, page 10-14](#)
- [Hardware, page 10-15](#)
- [Port, page 10-22](#)
- [CDP, page 10-23](#)

Cisco AS5300 Series—Supported Service Events

Table 10-4 Supported Service Events for Cisco AS5300 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	Prime Network 3.8	N
Fan-Tray Out	Prime Network 3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
Power Supply Down	Prime Network 3.8	N
Power Supply Out	Prime Network 3.8	N
Pluggable Transceiver Out	Prime Network 3.8	N
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Supported Technologies on Cisco Gateways

The following sections list the objects and attributes that are supported on Cisco gateways in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 10-4](#)
- [Ethernet, page 10-7](#)
- [Security, page 10-14](#)
- [Hardware, page 10-15](#)
- [Port, page 10-22](#)
- [CDP, page 10-23](#)

IP

Table 10-5 IP Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3

Attribute	AS5300
IMO Name—IPInterface	
IP Address	Y
Subnetwork Mask	Y
IP Interface Addresses Array	Y
Interface Name	Y
Interface Description	Y
IP Interface State	Y
OSPF Interface Cost	
Broadcast Address	
MTU	
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANA Type	
Containing CTPs	
Contained CTPs	

Table 10-5 IP Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IRoutingEntity	
Routing Table	Y
ARP Entity	Y
Routing Table Changes	
Name	
Logical Sons	
Multicast Routing Table	
IMO Name—IRoutingEntry	
Destination IP Subnet	Y
Next Hop IP Address	Y
Type	Y
Routing Protocol Type	Y
Outgoing Interface Name	Y
IMO Name—IARPEntity	
ARP Table	Y
IMO Name—IARPEntity	
IP Address	Y
MAC Address	Y
Port	Y
Entry Type	Y
IMO Name—IIPPool	
IP Address Pool Entries	
Name	
IMO Name—IIPPoolEntry	
Free Address	
Reserved Address	
Address In Use	
Group Name	
Pool Type	
Status	
Priority	
VRF Oid	

Table 10-5 IP Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
IMO	
Name—IPRangeBasedIPPoolEntry	
Range Start	
Range End	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO	
Name—IPSubnetBasedIPPoolEntry	
IP Subnet	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—HSRPGroupEntry	
Group Number	
Port Description	
Priority	
Coupled Router	
State	
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	
IMO Name—ITunnelGRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IANA Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
IMO Name—IVrrpGroupEntry	
Group Number	
State	
Port Description	

Table 10-5 IP Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
Master IP Address	
Primary IP Address	
Priority	
Virtual Mac Address	
Preempt Mode	
Admin State	
Advertisement Interval	
Tracking Interfaces	
IMO Name—IIPSLAResponderService	
responderStatus	
TWAMPResponderStatus	
tcpConnect	
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Ethernet

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3

Attribute	AS5300
IMO Name—ILinkAggregationGroup802dot3ad	
dot3adAggMACAddress	
dot3adAggActorSystemPriority	
dot3adAggActorSystemID	
dot3adAggActorAdminKey	
dot3adAggActorOperKey	
dot3adAggPartnerSystemID	
dot3adAggPartnerSystemPriority	
dot3adAggPartnerOperKey	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
dot3adAggCollectorMaxDelay	
GroupNumber	
AggregationProtocolType	
MacAddress	
ChannelAdminStatus	
ChannelOperStatus	
lagLoadBalancingType	
bandWidth	
LinkType	
IMO Name—IEthernet	
MAC Address	Y
Duplex Mode	
Output Flow Control	
Input Flow Control	
IANA Type	
Containing CTPs	
Contained CTPs	
Port Type	
isElmiEnabled	
isLOAMEnabled	
AutoNegotiate	
FCID (Soft Property)	
WWN (Soft Property)	
FlowControl	
IMO Name—IVlanInterface	
Mode	
Native VLAN Identification	
Virtual LAN Table	
IANA Type	
Containing CTPs	
Contained CTPs	
vlanAdminType	
vlanencapType	
getAccess	
Allowed Vlans	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
IMO Name—IVlanEncapMux	
IANA Type	
Containing CTPs	
Contained CTPs	
discoveryProtocols	
ingressPolicy	
egressPolicy	
controlPolicy	
type	
ID	
egressSpeed	
ingressSpeed	
IMO Name—IVlanMapping	
direction	
vlanMatchCriteria	
vlanRewriteDefinition	
Drop	
Vlan	
innerVlan	
translatedVlan	
translatedInnerVlan	
IMO Name—IClientBridgeEfp	
efpId	
interfaceName	
translatedInnerVLAN	
vlan	
innerVlan	
operationalState	
administrativeState	
translatedVlan	
RewriteDefinition	
VlanMatchCriteria	
IMO Name—IIEEE802	
VLAN Identification	
Binding Information	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
Binding Status	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IStpService	
StpProtocol	
StpMaxAge	
StpHelloTime	
StpBridgeForwardDelay	
StpInstanceInfoTable	
Same as ISystemService	
StpUplinkFastState	
StpBackboneFastState	
StpForwardDelay	
StpBridgeMaxAge	
StpBridgeHelloTime	
IMO Name—IMstService	
MstProperties	
Same as IStpService	
IMO Name—IPvstpService	
UpLinkFast	
BackboneFast	
IMO Name—IMstProperties	
MstForceVersion	
MstCfgIdFmtSel	
MstExternalRootCost	
MstMaxInstances	
MstCfgIdName	
MstCfgIdRevLevel	
IMO Name—IStpInstanceInfo	
Object Identification	
StpBridgeId	
BridgePriority	
Designated Parent and Root Bridges	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
StpRootCost	
IsRoot	
StpRootPort	
StpPortInfo Table	
STP Instance Id	
Vlan Id	
StpDesignatedBridge	
StpDesignatedRoot	
IMO Name—IMstInstanceInfo	
MstVlanIds	
Same as IStpInstanceInfo	
IMO Name—IPvstpInstanceInfo	
Protocol Type	
StpBridgeMaxAge	
StpBridgeHelloTime	
StpBridgeForwardDelay	
StpProtocolSpecification	
StpVlanId	
StpForwardDelay	
StpMaxAge	
IMO Name—IRstpInstanceInfo	
StpForceVersion	
Same as IStpInstanceInfo	
IMO Name—IStpPortInfo	
StpPort	
StpPortPriority	
StpPortState	
StpPortPathCost	
StpPortEdgePort	
StpPortPointToPoint	
StpPortRole	
StpDesignatedPortIdentifier	
StpDesignatedBridge	
StpPortIdentifier	
StpPortBpduGuardState	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
StpPortBpduFilterState	
IMO Name—IMstPortInfo	
MstPortHelloTime	
Same as IStpPortInfo	
IMO Name—IPvstpPortInfo	
PvstpPortFastState	
IMO Name—IEthernetChannel	
Group Number	
Bandwidth	
Aggregation Protocol	
IANA Type	
Containing CTPs	
Contained CTPs	
Mac Address	
Admin Status	
Oper Status	
IMO Name—ITokenRingLayer2	
MAC Address	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—ITokenRingLayer1	
Same as IPhysicalLayer	
IMO Name—IBridge	
Bridge Table	
Type	
MAC Address	
IP Interface	
Name	
Logical Sons	
Vlan Type	
IMO Name—IBridgeEntry	
Destination MAC	
Outgoing Interface	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
IMO Name—IVtpService	
Version	
OperatingMode	
DomainName	
ConfigurationRevision	
isPruningEnabled	
isAuthenticationEnabled	
IMO Name—IREPService	
version	
administrativeVlan	
notificationEnabled	
IMO Name—IREPSegmentInfo	
segmentId	
segmentComplete	
IMO Name—IREPPortInfo	
portName	
portKey	
segmentId	
portType	
portRole	
operStatus	
blockedVlans	
preemptTimer	
lslAgeoutTimer	
remoteDeviceName	
remoteDeviceMac	
remotePortName	
configuredLoadBalancingBlockedVlans	
IMO Name—IBridgeILan	
Id	
IMO Name—IIBBridgeEntry	
IS Id	
IBridge	
BBridge	

Table 10-6 Ethernet Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
IMO Name—I Efp	
egressSpeed	
ingressSpeed	

Security

Table 10-7 Security Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3

Attribute	AS5300
IMO Name—I AccessList	
Type	
Access List Entries	
Name or Id	
Index	
IMO Name—I AccessListEntry	
Entry Identification	Y
Action Logic	Y
Source and Destination Address	Y
Source and Destination Wildcard	Y
Protocol Type	Y
Source and Destination Port Ranges	Y
Source and Destination Port Action	Y
Protocol Specific Info	Y
Differential Services Code Points	Y
Type of Service	Y
Precedence	Y
Matches	Y

Hardware

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3

Attribute	AS5300
IMO Name—IChassis	
Description	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	Y
Configuration State (Soft property)	
Operability (Soft property)	
Power (Soft property)	
Thermal (Soft property)	
Name (Soft property)	
PID (Soft property)	
VID (Soft property)	
Role (Soft property)	
Status	
OperState	
AdminState	
Discvory State	
Model	
Connection Path	
AvailState	
Admin Power	
Assoc State	
Oper Power	
Connection Status	
Managing Instance	
No.. of Processors	
Low Voltage memory	
Effective Memory	
CheckPoint	
Total Memory	
Operating Memory Speed	

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
Slot Status	
Cores	
Threads	
No.. of Adapters	
No.. of HBA ports	
No.. of NIC ports	
UUID	
IP Address (Soft property)	
IMO Name—IShelf	
Description	
Status	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	Y
Software Version	Y
Operational Status	Y
Hardware Type + Version	Y
Managed IP Address	
Redundant Equipment	
Configured Redundancy	
Redundancy Status	
Operational Status Last Changed	
Supported Physical Termination Points	
Serial Number (soft property)	Y
Model	
Operability	
Integrated	
Admin State(Soft property)	
Discovery State(Soft property)	
Power State (Soft property)	

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
Slot ID (Soft property)	
Chassis ID (Soft property)	
Name (Soft property)	
Description (Soft property)	
PID (Soft property)	
VID (Soft property)	
Avail State (Soft property)	
Assoc State (Soft property)	
Slot Status (Soft property)	
Check Point (Soft property)	
Number Of Processor (Soft property)	
Effective Memory (Soft property)	
Total Memory (Soft property)	
Operating Memory Speed (Soft property)	
Operating Memory Voltage (Soft property)	
Slot Number (Soft property)	
Part Number (Soft property)	
Running Version (Soft property)	
Package Version (Soft property)	
Backup Version (Soft property)	
Update Status (Soft property)	
Startup Version (Soft property)	
Activate Status (Soft property)	
Slots Number	
HostName (Soft Property)	
MgmtIP (Soft Property)	
TypeName (Soft Property)	
vCPU (Soft Property)	
haStatus (Soft Property)	
status (Soft Property)	
location (Soft Property)	

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
swVersion (Soft Property)	
domainId (Soft Property)	
haPrimaryRole (Soft Property)	
haPrimaryStatus (Soft Property)	
primaryStatus (Soft Property)	
primaryLocation (Soft Property)	
primarySwVersion (Soft Property)	
haSecondaryRole (Soft Property)	
haSecondaryStatus (Soft Property)	
secondaryStatus (Soft Property)	
secondaryLocation (Soft Property)	
secondarySwVersion (Soft Property)	
AssociatedComputeServer	
AssociatedHost	
AssociatedEntity	
EquipmentType	
IMO Name—IPowerSupply	
Same as IModule	
IMO Name—IFanTray	
Same as IModule	
IMO Name—IPluggableTransceiver	
ConnectorDescription	
PID	
ConnectorSerialNumber	
ConnectorType	
PluggablePortState	
PluggableType	
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	Y
DRAM Free	
DRAM Used	
DRAM Usage	Y
Flash Device Size	Y
NVRAM Size	Y
Processor DRAM	
Sys Contact	Y
Sys Location	Y
Serial Number	Y
File Systems	
IsVirtualElement	
AssociatedHypervisor	
AssociatedVirtualMachine	
AssociatedComputeServer	
TimeZone	
cidsHealthSecMonAvailability	
cidsHealthSecMonOverallHealth	
cidsHealthSecMonSoftwareVersion	
cidsHealthSecMonSignatureVersion	
cidsHealthSecMonLicenseStatus	
cidsHealthSecMonMainAppStatus	

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
cidsHealthSecMonAnalysisEngineStatus	
cidsHealthSecMonCollaborationAppStatus	
cidsHealthSecMonByPassMode	
cidsHealthSecMonMissedPktPctAndThresh	
cidsHealthSecMonAnalysisEngMemPercent	
cidsHealthSecMonSensorLoad	
cidsHealthSecMonVirtSensorName	
cidsHealthSecMonVirtSensorStatus	
cidsHealthSecMonPartitionName	
cidsHealthSecMonTotalPartitionSpace	
IMO Name—IContext	
Name	
Bounded Connections	
IP Address Pools	
Forwarding Components List	
Traffic Descriptors List	
Tunnel Containers List	
Data Link Aggregation Containers List	
IMO Name—ISystemService	
Type	
Status	
Up Time	
IMO Name—Iserver	
Uuid	
Maximum Memory	
Effective Memory	
Ip Address	
Form Factor	

Table 10-8 Hardware Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
Operating System	
Hard Drive Properties	
MemorySlot Properties	
Processor	
Operating Memory Speed	
associatedHypervisor	
AssociatedVEM	
IMO Name—IHardDriveProperties	
Model Name	
Drive Type	
Storage Capacity	
Status	
isFRU	
IMO Name—IMemorySlotProperties	
Slot Name	
Location	
Speed	
Memory Capacity	
Status	
IMO Name—IProcessor	
cpu	
coresperCpu	
Model	
Status	
Vendor	
ratedSpeed	
usedSpeed	
hyperThreadingEnabled	
ramSize	
nvRamSize	
name	
description	

Port

Table 10-9 Port Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3

Attribute	AS5300
IMO Name—IPhysicalLayer	
Media Type	Y
Clocking Source	
Maximum Speed	Y
Is Internal Port	Y
Discarded Bandwidth	
Dropped Bandwidth	
Input Bandwidth	
Output Bandwidth	
Discarded and Received Input Data Counters	Y
Dropped and Forward Output Data Counters	Y
Administrative Status	Y
Operational Status	Y
Last Changed	Y
IANA Type	Y
Containing CTPs	
Contained CTPs	
Port Alias	Y
Location	Y
Sending Alarms	Y
Connector Description	Y
Part ID	Y
Connector Serial Num	Y
Product	Y
Status	Y
Managed	Y
AssociatedPluggable	
AinsSoak	
Reach	
WaveLength	
facilityId	

Table 10-9 Port Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3 (Continued)

Attribute	AS5300
IMO Name—IDiscoveryProtocol	
DiscoveryProtocolType	Y
Info	Y

CDP

Table 10-10 CDP Attribute Support on Cisco Gateways—Cisco Prime Network Version 5.3

Attribute	AS5300
IMO Name—ICdpService	
cdpHoldtime	Y
cdpMessageInterval	Y
cdpDeviceId	Y
cdpState	Y
cdpVersion	Y
IMO Name—ICdpNeighbor	
remoteDeviceId	Y
remotePortId	Y
remoteIPAddress	Y
localPortId	Y



Support Information for Cisco Routers

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco routers in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Prime Network 5.3 Reference Guide](#).

This chapter contains the following topics:

- [Cisco 800 Series Routers, page 11-2](#)
- [Cisco 1000 Series Routers, page 11-4](#)
- [Cisco 1600 Series Routers, page 11-6](#)
- [Cisco 800 Series Integrated Services Router, page 11-8](#)
- [Cisco 2500 Series Routers, page 11-14](#)
- [Cisco 2600 Series Multiservice Platform Routers, page 11-16](#)
- [Cisco 2800 Series Integrated Services Routers, page 11-20](#)
- [Cisco 3700 Series Multiservice Access Routers, page 11-25](#)
- [Cisco 3800 Series Integrated Services Routers, page 11-28](#)
- [Cisco 7200 Series Routers, page 11-32](#)
- [Cisco 7300 Series Routers, page 11-40](#)
- [Cisco 7400 Series Routers, page 11-44](#)
- [Cisco 7500 Series Routers, page 11-48](#)
- [Cisco 7600 Series Routers, page 11-52](#)
- [Cisco 10000 Series Routers, page 11-78](#)
- [Cisco 12000 Series Routers, page 11-83](#)
- [Cisco XR 12000 Series Routers, page 11-93](#)
- [Cisco Carrier Routing System, page 11-105](#)
- [Cisco ASR 9000 Series Aggregation Services Routers, page 11-131](#)
- [Cisco ASR 1000 Series Routers, page 11-169](#)
- [Cisco MWR 2900 Series Mobile Wireless Routers, page 11-183](#)
- [Cisco 1900 Series Integrated Services Router, page 11-190](#)
- [Cisco 2900 Series Integrated Services Router, page 11-193](#)
- [Cisco 3900 Series Integrated Service Routers, page 11-197](#)

- [Cisco ME2600x Series Routers, page 11-201](#)
- [Cisco ME2600x Series Routers, page 11-201](#)
- [Cisco 4700 Series Routers, page 11-210](#)
- [Cisco ASR901 Series Mobile Wireless Routers, page 11-212](#)
- [Cisco ASR902 Series Routers, page 11-230](#)
- [Cisco ASR903 Series Routers, page 11-230](#)
- [Cisco ASR907 Series Routers, page 11-244](#)
- [Cisco ASR920 Series Routers, page 11-216](#)
- [Cisco ASR 5000 Series Routers, page 11-269](#)
- [Cisco Cloud Services Router 1000v, page 11-281](#)
- [Cisco Network Convergence System 6000 Series Routers, page 11-283](#)
- [Cisco Network Convergence System 540 Series Routers, page 11-286](#)
- [Cisco Network Convergence System 5500 Series Routers, page 11-288](#)
- [Cisco IOS-XRv9k, page 11-290](#)
- [Supported Technologies on Cisco Routers, page 11-292](#)

Cisco 800 Series Routers

This section includes the following information about Cisco 800 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 800 Series Routers](#)):

This section contains the following topics:

- [Cisco 800 Series—Supported Software Versions, page 11-2](#)
- [Cisco 800 Series—Supported Topologies, page 11-3](#)
- [Cisco 800 Series—Supported Technologies, page 11-3](#)
- [Cisco 800 Series—Supported Service Events, page 11-3](#)

Cisco 800 Series—Supported Software Versions

Table 11-1 Supported Software Versions for Cisco 800 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.0(4)XM	
12.0(7)T3	
12.3(14)T	
12.4(11)T	

Cisco 800 Series—Supported Topologies

Table 11-2 Supported Topologies for Cisco 800 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	
Ethernet	Ethernet	
GRE Tunnel	GRE Tunnel	
Physical Layer	Physical Layer	
L2 Fabric	L2 Fabric Link	

Cisco 800 Series—Supported Technologies

The following technologies are supported by the Cisco 800 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [TDM/DSx, page 11-326](#)
- [VPN \(VRF\), page 11-339](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [CDP, page 11-358](#)

Cisco 800 Series—Supported Service Events

Table 11-3 Supported Service Events for Cisco 800 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down		Y
Active IP Interfaces Found		Y
Device Unsupported		N
Link Up		N

Cisco 1000 Series Routers

This section includes the following information about Cisco 1000 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 1000 Series Routers](#)):

This section contains the following topics:

- [Cisco 1000 Series—Supported Software Versions, page 11-4](#)
- [Cisco 1000 Series—Supported Topologies, page 11-4](#)
- [Cisco 1000 Series—Supported Technologies, page 11-4](#)
- [Cisco 1000 Series—Supported Service Events, page 11-5](#)

Cisco 1000 Series—Supported Software Versions

Table 11-4 Supported Software Versions for Cisco 1000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.1(27)	3.6.1
IOS 12.1(22)	3.6.1

Cisco 1000 Series—Supported Topologies

Table 11-5 Supported Topologies for Cisco 1000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.1
Framerelay	Framerelay	3.6.1
GRE Tunnel	GRE Tunnel	3.6.1
Physical Layer	Physical Layer	3.6.1
PPP/HDLC	PPP or HDLC	3.6.1
L2 Fabric	L2 Fabric Link	4.2

Cisco 1000 Series—Supported Technologies

The following technologies are supported by the Cisco 1000 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)

- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [CDP, page 11-358](#)

Cisco 1000 Series—Supported Service Events

Table 11-6 Supported Service Events for Cisco 1000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	Y
Active IP Interfaces Found	3.6.1	Y
BGP Process Up	3.6.1	N
Card Down	3.6.1	Y
Card Up	3.6.1	Y
Card Out	3.6.1	Y
Card In	3.6.1	Y
CPU Overutilized	3.6.1	N
Device Unsupported	3.6.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.1	N
Keepalive Set	3.6.1	N
Layer 2 Tunnel Down	3.6.1	N
Link Up	3.6.0	N
Memory Overutilized	3.6.1	N
MPLS Black Hole Found	3.6.1	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.1	N
Tx Overutilized	3.6.1	N

Cisco 1600 Series Routers

This section includes the following information about Cisco 1600 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 1600 Series Routers](#)):

This section contains the following topics:

- [Cisco 1600 Series—Supported Software Versions, page 11-6](#)
- [Cisco 1600 Series—Supported Topologies, page 11-6](#)
- [Cisco 1600 Series—Supported Technologies, page 11-6](#)
- [Cisco 1600 Series—Supported Service Events, page 11-7](#)

Cisco 1600 Series—Supported Software Versions

Table 11-7 Supported Software Versions for Cisco 1600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.0(12)	3.6.1

Cisco 1600 Series—Supported Topologies

Table 11-8 Supported Topologies for Cisco 1600 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.1
Framerelay	Framerelay	3.6.1
GRE Tunnel	GRE Tunnel	3.6.1
Physical Layer	Physical Layer	3.6.1
PPP/HDLC	PPP or HDLC	3.6.1
L2 Fabric	L2 Fabric Link	4.2

Cisco 1600 Series—Supported Technologies

The following technologies are supported by the Cisco 1600 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)

- HDLC, page 11-325
- SONET/SDH, page 11-325
- TDM/DSx, page 11-326
- MPLS-TE, page 11-334
- Security, page 11-342
- Hardware, page 11-342
- Port, page 11-350
- CDP, page 11-358

Cisco 1600 Series—Supported Service Events

Table 11-9 Supported Service Events for Cisco 1600 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	Y
Active IP Interfaces Found	3.6.1	Y
BFD neighbour found	3.7.1	N
BGP process up	3.6.1	N
Card Down	3.6.1	Y
Card Up	3.6.1	Y
Card Out	3.6.1	Y
Card In	3.6.1	Y
CPU Overutilized	3.6.1	N
Device Unsupported	3.6.1	N
Fan-tray down	3.8	N
Fan-tray out	3.8	N
Keepalive Not Set	3.6.1	N
Keepalive Set	3.6.1	N
Layer 2 Tunnel Down	3.6.1	N
Link up	3.6.0	N
Memory Overutilized	3.6.1	N
MPLS Black Hole found	3.6.1	N
Power-supply down	3.8	N
Power-supply out	3.8	N
Pluggable transceiver out	3.8	N
Rx Overutilized	3.6.1	N
Tx Overutilized	3.6.1	N

Cisco 800 Series Integrated Services Router

This section includes the following information about Cisco ISR 800 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 800 Series Integrated Services Router](#)):

This section contains the following topics:

- [Cisco ISR 800—Supported Software Versions, page 11-8](#)
- [Cisco ISR 800—Supported Topologies, page 11-8](#)
- [Cisco ISR 800—Supported Modules, page 11-9](#)
- [Cisco ISR 800—Supported Technologies, page 11-9](#)
- [Cisco ISR 800—Supported Service Events, page 11-9](#)

Cisco ISR 800—Supported Software Versions

Table 11-10 Supported Software Versions for Cisco ISR 800—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(4)M3	4.1
IOS 15.1(1.16)T	4.1
IOS 15.3(3)M2	4.1
IOS 15.4.3M10(MD)	4.3 DP 1811 ¹

Cisco ISR 800—Supported Topologies

Table 11-11 Supported Topologies for Cisco ISR 800—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	4.1
Business	Business	4.1
Ethernet	Ethernet	4.1
Physical Layer	Physical Layer	4.1
VPN (IPv6)	VPN (IPv6)	4.1
L2 Fabric	L2 Fabric Link	Prime Network 4.2 Everest

Cisco ISR 800—Supported Modules

Table 11-12 Supported Modules for Cisco ISR 800—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C880 MOTHERBOARD	4.1	Cisco 1941 Motherboard with two Gigabit Ethernet ports router and one WLAN Controller.
C887VA-K9	4.0	C887VA Mother board
C888EA-K9	4.0	C888EA Mother board
Subcard - ILPM-4	4.0	4-Port ESWGE Power Daughter Card
C892FSP Mother board	4.3 ²	C892FSP Mother board

^{1,2} Cisco ISR 892 Routers

Cisco ISR 800—Supported Technologies

The following technologies are supported by the Cisco ISR 800 in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [BFD](#), page 11-355
- [Carrier Ethernet](#), page 11-356
- [CDP](#), page 11-358
- [Ethernet OAM](#), page 11-359

Cisco ISR 800—Supported Service Events

Table 11-13 Supported Service Events for Cisco ISR 800—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	4.1	Y
Active IP Interfaces Found	4.1	Y
BFD Neighbor Found	4.1	N
BGP Process Up	4.1	N

Table 11-13 Supported Service Events for Cisco ISR 800—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Card Down	4.1	Y
Card Up	4.1	Y
Cloud Problem	4.1	N
CPU Overutilized	4.1	N
Device Unsupported	4.1	N
Fan-Tray Down	4.1	N
Fan Out	4.1	N
Primary HSRP Interface Is Not Active	4.1	N
Secondary HSRP Interface Is Active	4.1	N
Interface Status Up	4.1	Y
IP Pool Exhausted	4.1	Y
L2TP Peer Is Removed	4.1	N
L2TP Peer Established	4.1	N
LDP Neighbor Down	4.1	N
Link Down Due to Card Event	4.1	N
Local Switching Entry Down	4.1	N
MPLS Black Hole Found	4.1	N
Port Down Due to Card Event	4.1	N
Power Supply Down	4.1	N
Pluggable Transceiver Out	4.1	N
Tx Dormant Normal	4.1	N
VSI Admin Down	4.1	N
VSI Up	4.1	N
MPLS Link down	4.0	N
MPLS Link up	4.0	N
OSPF link down	4.0	N
OSPF link up	Prime Network 4.2.2	N

Cisco 1800 Series Integrated Services Routers

This section includes the following information about Cisco 1800 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 1800 Series Integrated Services Routers](#)):

This section contains the following topics:

- [Cisco 1800 Series—Supported Software Versions, page 11-11](#)
- [Cisco 1800 Series—Supported Topologies, page 11-12](#)
- [Cisco 1800 Series—Supported Modules, page 11-12](#)
- [Cisco 1800 Series—Supported Technologies, page 11-13](#)
- [Cisco 1800 Series—Supported Service Events, page 11-13](#)

Cisco 1800 Series—Supported Software Versions

Table 11-14 Supported Software Versions for Cisco 1800 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.3(14)T	3.6.2
12.3(8)T11	3.6.4
12.4(11)T	3.6.2
12.4(12)	3.6.4
12.4(12b)	3.6.4
12.4(17)	3.6.4
12.4(22)T	3.6.7 ¹
12.4(24)T	3.7 ²
12.4(3)	3.6.3
12.4(3b)	3.6.2
12.4(5a)	3.6.4
12.4(5b)	3.6.4
12.4(8)	3.6.4

^{1,2}Prime Network recognizes all maintenance builds in this IOS release train.

Cisco 1800 Series—Supported Topologies

Table 11-15 Supported Topologies for Cisco 1800 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 1800 Series—Supported Modules

Table 11-16 Supported Modules for Cisco 1800 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
AIM-VPN-EPII-PLUS	3.6.0	Virtual Private Network (VPN) Module
C1841 MOTHERBOARD WITH 2 FAST ETHERNET	3.6.0	C1841 Motherboard with 2 Fast Ethernet
HWIC-16A	3.6.0	16-Port Async HWIC
HWIC-4A/S	3.6.0	4-Port Async/Sync Serial HWIC
HWIC-4T	3.6.0	4-Port Serial HWIC
HWIC-8A	3.6.0	8-Port Async HWIC
HWIC-8A/S-232	3.6.0	8-Port Async/Sync Serial HWIC, EIA-232
VWIC-2MFT-E1-DI	3.6.0	2-port RJ-48 multiflex trunk-E1 with drop and insert data only
VWIC-2MFT-G703	3.6.0	2-port RJ-48 multiflex trunk-G.703 data only
VWIC-2MFT-T1-DI	3.6.0	2-port RJ-48 multiflex trunk-T1 with drop and insert data only
WIC-1ADSL	3.6.0	1-port asymmetric DSL (ADSL) over basic telephone service WIC
WIC-1ADSL-DG	3.6.0	1-port ADSLoPOTS WIC with Dying Gasp
WIC-1B-U-V2	3.6.2	1-Port ISDN BRI NT-1 WIC
WIC-1DSU-T1-V2	3.6.0	1-port T1/Fractional-T1 CSU/DSU WIC
WIC-1SHDSL-V3	3.6.0	One port G.shdsl WIC with 4-wire support
WIC-1T	3.6.0	1-Port Serial WAN Interface Card
WIC-2A/S	3.6.0	2-Port Async/Sync Serial WAN Interface Card
WIC-2AM	3.6.0	2-port analog modem WIC

Table 11-16 Supported Modules for Cisco 1800 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WIC-2T	3.6.0	2-Port Serial WAN Interface Card

Cisco 1800 Series—Supported Technologies

The following technologies are supported by the Cisco 1800 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS-TE, page 11-334](#)
- [VPN \(VRF\), page 11-339](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [CDP, page 11-358](#)

Cisco 1800 Series—Supported Service Events

Table 11-17 Supported Service Events for Cisco 1800 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Device Unsupported	3.6.0	Y
Fan-tray down	3.8	N
Fan-tray out	3.8	N
Link Up	3.6.0	Y
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N

Cisco 2500 Series Routers

This section includes the following information about Cisco 2500 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 2500 Series Routers](#)):

This section contains the following topics:

- [Cisco 2500 Series—Supported Software Versions, page 11-14](#)
- [Cisco 2500 Series—Supported Topologies, page 11-14](#)
- [Cisco 2500 Series—Supported Modules, page 11-14](#)
- [Cisco 2500 Series—Supported Technologies, page 11-15](#)
- [Cisco 2500 Series—Supported Service Events, page 11-15](#)

Cisco 2500 Series—Supported Software Versions

Table 11-18 Supported Software Versions for Cisco 2500 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
11.2(18)	3.6.0
12.0(17a)	3.6.0

Cisco 2500 Series—Supported Topologies

Table 11-19 Supported Topologies for Cisco 2500 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 2500 Series—Supported Modules

Table 11-20 Supported Modules for Cisco 2500 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CPU-2500	3.6.0	Cisco 2500 CPU card

Cisco 2500 Series—Supported Technologies

The following technologies are supported by the Cisco 2500 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [VPN \(VRF\), page 11-339](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [IPoDWDM, page 11-352](#)
- [LLDP, page 11-358](#)
- [CDP, page 11-358](#)

Cisco 2500 Series—Supported Service Events

Table 11-21 Supported Service Events for Cisco 2500 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BFD Neighbor Loss	3.7.1	N
BFD Neighbor Found	3.7.1	N
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
Carrier Grade NAT Outside-to-Inside Forward Rate Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Higher Threshold Exceeded	3.7.1	N

Table 11-21 Supported Service Events for Cisco 2500 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Higher Threshold Exceeded	3.7.1	N
Component Unreachable	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Investigation State	3.8	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.0	N

Cisco 2600 Series Multiservice Platform Routers

This section includes the following information about Cisco 2600 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 2600 Series Multiservice Platform Routers](#)):

This section contains the following topics:

- [Cisco 2600 Series—Supported Software Versions, page 11-16](#)
- [Cisco 2600 Series—Supported Topologies, page 11-17](#)
- [Cisco 2600 Series—Supported Modules, page 11-17](#)
- [Cisco 2600 Series—Supported Technologies, page 11-18](#)
- [Cisco 2600 Series—Supported Service Events, page 11-19](#)

Cisco 2600 Series—Supported Software Versions

Table 11-22 Supported Software Versions for Cisco 2600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
11.3(10)T	3.6.1

Table 11-22 Supported Software Versions for Cisco 2600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.0(3)T3	3.6.1
12.2(15)T	3.6.1
12.2(17a)	3.6.1
12.2(8)T5	3.6.1
12.3(15a)†	3.6.2
12.3(17a)	3.6.1
12.3(3i)	3.6.4
12.3(4)	3.6.1
12.4(10)	3.6.1

Cisco 2600 Series—Supported Topologies

Table 11-23 Supported Topologies for Cisco 2600 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 2600 Series—Supported Modules

Table 11-24 Supported Modules for Cisco 2600 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
AIM-VOICE-30	3.6.0	AIM supporting voice/fax DSP features
ATM-AIM	3.6.0	AIM(Advanced Integration Module) supporting ATM features for Cisco 2600, 2600XM, 2691, 3660, and 3700
NM-16AM-V2	3.6.0	16-port analog modem network module with V.92
NM-1A-T3 AND NM-1A-E3	3.6.0	DS3/E3 ATM Network Modules for the Cisco 2600, 2800, 3600, 3700 and 3800 Series Routers
NM-1CE1T1-PRI	3.6.0	1-port Channelized E1/T1/ISDN PRI network module

Table 11-24 Supported Modules for Cisco 2600 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NM-1FE1R2W	3.6.0	1 10/100 Ethernet 14/16 Token Ring 2 WAN card slot network module
NM-1FE2W	3.6.0	1 10/100 Ethernet 2 WAN card slot network module
NM-1T3/E3	3.6.0	One-port clear-channel T3/E3 network module
NM-1T3/E3(12)	3.6.0	1-port Clear Channel
NM-2CE1T1-PRI	3.6.0	2-port Channelized E1/T1/ISDN PRI network module
NM-2FE2W	3.6.0	2 10/100 Ethernet 2 WAN card slot network module
NM-2W	3.6.0	2 WIC slot network module, (WAN I/F cards offered separately)
NM-8AM-V2	3.6.0	8-port analog modem network module with V.92
NM-AIC-64(6)	3.6.0	Alarm monitoring and control network module; 64 contact points and 16 control points
NM-CUE-EC	3.6.0	Cisco Unity Express Network Module Enhanced Capacity
NM-HDV2	3.6.0	IP Communications high-density digital voice network module
NM-NAM	3.6.0	Network analysis module
VIC2-2E/M	3.6.0	2-port E+M voice/fax interface card
VIC2-2FXS	3.6.0	2-port FXS voice/fax interface card
VIC-2FXO	3.6.0	Two-port FXO voice/fax interface card [also see VIC-2FXO-M1]
VIC-4FXS/DID	3.6.0	4-port FXS voice/fax interface card (Note
VWIC-1MFT-E1	3.6.0	1-Port RJ-48 Multiflex Trunk-E1
VWIC-1MFT-T1	3.6.0	1-Port RJ-48 Multiflex Trunk-T1
VWIC-2MFT-E1	3.6.0	2-Port RJ-48 Multiflex Trunk-E1
VWIC-2MFT-E1-DI	3.6.0	2-Port RJ-48 Multiflex Trunk-E1 With Drop and Insert
VWIC-2MFT-T1	3.6.0	2-Port RJ-48 Multiflex Trunk-T1
VWIC-2MFT-T1-DIR	3.6.0	2-Port RJ-48 Multiflex Trunk-T1 With Drop and Insert
WIC-1ADSL	3.6.0	1-port ADSLoPOTS WAN Interface Card (System)

Cisco 2600 Series—Supported Technologies

The following technologies are supported by the Cisco 2600 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)

- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [VPN \(VRF\), page 11-339](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [CDP, page 11-358](#)

Cisco 2600 Series—Supported Service Events

Table 11-25 Supported Service Events for Cisco 2600 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	Y
Active IP Interfaces Found	3.6.1	Y
BGP Process Up	3.6.1	Y
Card Down	3.6.1	Y
Card Up	3.6.0	Y
Card Out	3.6.1	N
Card In	3.6.1	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	Prime Network 3.8	N
Fan-Tray Out	Prime Network 3.8	N
Keepalive Not Set	Prime Network 3.8	N
Keepalive Set	Prime Network 3.8	N
Layer 2 Tunnel Down	3.6.0	N

Table 11-25 Supported Service Events for Cisco 2600 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Power Supply Down	Prime Network 3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Cisco 2800 Series Integrated Services Routers

This section includes the following information about Cisco 2800 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 2800 Series Integrated Services Routers](#)):

This section contains the following topics:

- [Cisco 2800 Series—Supported Software Versions, page 11-20](#)
- [Cisco 2800 Series—Supported Topologies, page 11-21](#)
- [Cisco 2800 Series—Supported Modules, page 11-22](#)
- [Cisco 2800 Series—Supported Technologies, page 11-23](#)
- [Cisco 2800 Series—Supported Service Events, page 11-24](#)

Cisco 2800 Series—Supported Software Versions

Table 11-26 Supported Software Versions for Cisco 2800 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.3(11)T5	3.6.2
12.3(11)T6	3.6.2
12.3(14)T	3.6.2
12.3(14)T7	3.6.2
12.3(8)T11	3.6.4
12.3(8)T5	3.6.4
12.3(8)T6	3.6.4
12.3(8)T8	3.6.4
12.3(8)T9	3.6.4

Table 11-26 Supported Software Versions for Cisco 2800 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.4(1)	3.6.1
12.4(10)	3.6.1
12.4(11)T†	3.6.2
12.4(12)	3.6.1
12.4(13c)	3.6.4
12.4(13d)	3.6.4
12.4(15)T	3.6.7
12.4(17)	3.6.3
12.4(1a)	3.6.4
12.4(2)T2	3.6.4
12.4(22)T	3.6.7 ¹
12.4(24)T	3.7
12.4(24)T1	3.7 ²
12.4(3)	3.6.1
12.4(3a)	3.7 ³
12.4(5)	3.6.1
12.4(7)	3.6.1
12.4(8)	3.6.1

^{1,2}Prime Network recognizes all maintenance builds in this IOS release train.

³Support tested and validated using AdvanceEnterprise image of 12.4(3a)

Cisco 2800 Series—Supported Topologies

Table 11-27 Supported Topologies for Cisco 2800 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 2800 Series—Supported Modules

Table 11-28 Supported Modules for Cisco 2800 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
AIM-VPN/EPII-PLUS	3.7	Enhanced-performance DES, 3DES, AES, and compression VPN encryption AIM
EM-4BRI-NTTE	3.6.0	4-port BRI voice and fax expansion module
HWIC-16A	3.6.0	16-Port Async HWIC
HWIC-1ADSLI	3.6.0	1-port ADSL over ISDN HWIC
HWIC-1FE	3.6.0	1-port Fast Ethernet HWIC
HWIC-1GE-SFP	3.6.0	Cisco Gigabit Ethernet High-Speed Interface Card
HWIC-2SHDSL	3.6.0	2-port G.SHDSL HWIC with 2-wire and 4-wire support
HWIC-4AS	3.6.0	4-Port Async/Sync Serial HWIC
HWIC-4ESW	3.6.0	4-port Cisco EtherSwitch 10BASE-T/100BASE-TX autosensing HWIC
HWIC-4SHDSL	3.6.0	4-port G.SHDSL HWIC with 2-wire, 4-wire, and 8-wire support
HWIC-4T	3.6.0	4-Port serial HWIC
HWIC-8A	3.6.0	8-Port Async HWIC
HWIC-8A/S-232	3.6.0	8-Port Async/Sync Serial HWIC, EIA-232
HWIC-ADSL-BST	3.6.0	2-port HWIC with 1-port ADSLoPOTS and 1-port ISDN BRI-S/T
HWIC-D-9ESW	3.6.7	9 Port FE Switch
NM-16A	3.6.0	16-Port Async HWIC
NM-16AM-V2	3.6.0	16-port analog modem network module with v.92
NM-16AS	3.6.2	16-Port Async/Sync Serial Network Module
NM-1A-E3	3.6.2	1-Port E3 ATM Network Module
NM-1A-T3	3.6.0	1-Port DS3 ATM Network Module
NM-1CE1T1-PRI	3.6.0	1-port Channelized E1/T1/ISDN PRI network module
NM-1HSSI	3.6.2	Single port HSSI network module
NM-1T3E3	3.6.0	1-port clear-channel T3/E3 network module
NM-2CE1T1-PRI	3.6.0	2-port Channelized E1/T1/ISDN PRI network module
NM-32A	3.6.0	32 port Asynchronous Module
NM-4A/S	3.6.0	4-Port Async/Sync Serial Network Module
NM-4B-ST	3.6.2	4-Port ISDN-BRI Network Module
NM-4B-U	3.6.0	4-Port ISDN-BRI with NT-1 Network Module
NM-4T	3.6.0	4-Port Serial Network Module
NM-8AM-V2	3.6.0	8-port analog modem network module with v.92

Table 11-28 Supported Modules for Cisco 2800 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
NM-8B-ST	3.6.2	8-Port ISDN-BRI Network Module
NM-8B-U	3.6.0	8-Port ISDN-BRI with NT-1 Network Module
NM-CUE-EC	3.6.0	Cisco Unity Express Voice-Mail Network Module extended capacity
NM-HD-2V	3.6.0	2-slot IP Communications voice and fax network module
NM-HDV2	3.6.0	IP Communications high-density voice and fax network module
NM-NAM	3.6.0	network analysis module
VIC2-2BRI-NTTE	3.6.0	2-port VIC card-BRI (NT and TE)
VIC2-2FXS	3.6.0	2-port VIC-FXS
VWIC-1MFT-G703	3.6.7	1-Port RJ-48 Multiflex Trunk - E1 for unstructured G.703
VWIC2-1MFT-G703	3.6.7	1-Port T1/E1 Voice/WAN with D+I + unstructured E1 (G703)
VWIC2-1MFT-T1E1	3.6.0	1-Port T1/E1 Voice/WAN with Drop + Insert
VWIC-2MFT-E1-DI	3.6.0	2-port RJ-48 multiflex trunk-E1 with drop and insert
VWIC-2MFT-G703	3.6.0	2-port RJ-48 multiflex trunk-G.703
VWIC-2MFT-T1-DI	3.6.0	2-port RJ-48 multiflex trunk-T1 with drop and insert
WIC-1ADSL	3.6.0	1-port asymmetric DSL (ADSL) over POTS service†WIC
WIC-1ADSL-DG	3.6.2	1-port ADSLoPOTS WIC with Dying Gasp
WIC-1ADSL-I-DG	3.6.2	1-port ADSLoISDN Wan Interface Card
WIC-1AM-V2	3.6.0	1-port analog modem WIC (updated version)
WIC-1B-U-V2	3.6.2	1-Port ISDN BRI NT-1 WIC
WIC-1DSU-T1-V2	3.6.2	Updated 1-Port T1/Fractional T1 DSU/CSU WAN Interface Card
WIC-1SHDSL	3.6.2	One port G.shdsl WIC with 4-wire support
WIC-1SHDSL-V3	3.6.0	1-port G.SHDSL WIC with 4-wire support
WIC-1T	3.6.0	1-Port Serial WAN Interface Card
WIC-2AM-V2	3.6.0	2-port analog modem WIC (updated version)
WIC-2AS	3.6.0	2-Port Async/Sync Serial WAN Interface Card
WIC-2T	3.6.0	2-Port Serial WAN Interface Card

Cisco 2800 Series—Supported Technologies

The following technologies are supported by the Cisco 2800 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293

- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [Frame Relay](#), page 11-322
- [PPP](#), page 11-323
- [HDLC](#), page 11-325
- [SONET/SDH](#), page 11-325
- [TDM/DSx](#), page 11-326
- [VPN \(VRF\)](#), page 11-339
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [Additional Technologies](#), page 11-351

Cisco 2800 Series—Supported Service Events

Table 11-29 Supported Service Events for Cisco 2800 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	Y
Active IP Interfaces Found	3.6.1	Y
BGP Process Up	3.6.1	Y
Card Down	3.6.1	Y
Card Up	3.6.1	Y
Card Out	3.6.1	Y
Card In	3.6.1	Y
CPU Overutilized	3.6.1	Y
Device Unsupported	3.6.1	Y
Fan-Tray Down	3.6.1	Y
Fan-Tray Out	3.6.1	Y
Keepalive Not Set	3.8	N
Keepalive Set	3.8	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.8	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N

Table 11-29 Supported Service Events for Cisco 2800 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.1	Y
Tx Overutilized	3.6.1	Y

Cisco 3700 Series Multiservice Access Routers

This section includes the following information about Cisco 3700 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 3700 Series Multiservice Access Routers](#)):

This section contains the following topics:

- [Cisco 3700 Series—Supported Software Versions, page 11-25](#)
- [Cisco 3700 Series—Supported Topologies, page 11-25](#)
- [Cisco 3700 Series—Supported Modules, page 11-26](#)
- [Cisco 3700 Series—Supported Technologies, page 11-26](#)
- [Cisco 3700 Series—Supported Service Events, page 11-27](#)

Cisco 3700 Series—Supported Software Versions

Table 11-30 Supported Software Versions for Cisco 3700 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.3(15b)	3.6.2
12.4(9)T	3.6.0

Cisco 3700 Series—Supported Topologies

Table 11-31 Supported Topologies for Cisco 3700 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.0
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 3700 Series—Supported Modules

Table 11-32 Supported Modules for Cisco 3700 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NM-16ESW	3.6.0	16 port 10/100 EtherSwitch NM
NM-1FE2W	3.6.0	1 10/100 Ethernet 2 WAN Card Slot Network Module
NM-2FE2W	3.6.0	2 10/100 Ethernet 2 WAN Card Slot Network Module
NM-2W	3.6.0	2 WAN Card Slot Network Module(no LAN)
NM-1T3/E3	3.6.0	1-Port Clear-channel T3/E3 Network Module
NM-1HSSI	3.6.0	Single port HSSI network module
NM-1CE1T1-PRI	3.6.0	1-Port Channelized T1 / E1 Modules with PRI Network Modules
NM-2CE1T1-PRI	3.6.0	2-Port Channelized T1 / E1 Modules with PRI Network Modules
VIC-2E/M	3.6.0	Two-port Voice Interface Card - EandM
VIC-2FXO	3.6.0	Two-port Voice Interface Card - FXO
VIC-2FXS	3.6.0	Two-port Voice Interface Card - FXS
VWIC-2MFT-G703	3.6.0	2-Port RJ-48 Multiflex Trunk - G.703
VWIC-2MFT-T1	3.6.0	2-Port RJ-48 Multiflex Trunk - T1
VWIC-2MFT-E1	3.6.0	2-Port RJ-48 Multiflex Trunk - E1
WIC-2AM	3.6.0	Two-port Analog Modem WAN Interface Card
WIC-1ADSL-I-DG	3.6.0	1-Port ADSLoISDN WAN Interface Card
NM-2FE2W-V2	3.7	2-port 10/100 Ethernet 2 WAN Card Slot Network Module

Cisco 3700 Series—Supported Technologies

The following technologies are supported by the Cisco 3700 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)

- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)

Cisco 3700 Series—Supported Service Events

Table 11-33 Supported Service Events for Cisco 3700 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	Y
Card Down	3.6.0	Y
Card Up		N
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found		N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.8	N
Tx Overutilized	3.8	N

Cisco 3800 Series Integrated Services Routers

This section includes the following information about Cisco 3800 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 3800 Series Integrated Services Routers](#)):

This section contains the following topics:

- [Cisco 3800 Series—Supported Software Versions, page 11-28](#)
- [Cisco 3800 Series—Supported Topologies, page 11-29](#)
- [Cisco 3800 Series—Supported Modules, page 11-29](#)
- [Cisco 3800 Series—Supported Technologies, page 11-30](#)
- [Cisco 3800 Series—Supported Service Events, page 11-31](#)

Cisco 3800 Series—Supported Software Versions

Table 11-34 Supported Software Versions for Cisco 3800 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.3(14)T	3.6.2
IOS 12.3(14)T7	3.6.2
IOS 12.4(11)T	3.6.2 ¹
IOS 12.4(22)T	3.6.7 ²
IOS 12.4(24)T	3.7 ³
15.1(1)T	Cisco-Prime Network 3.7.X-DP13 , PrimeNetwork-3.8.X-DP4
15.1(2)T	Cisco-Prime Network 3.7.X-DP13 , PrimeNetwork-3.8.X-DP4
15.1(3)T	Cisco-Prime Network 3.7.X-DP13 , PrimeNetwork-3.8.X-DP4

¹Prime Network models pluggable ports for this IOS version.

^{2,3}Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco 3800 Series—Supported Topologies

Table 11-35 Supported Topologies for Cisco 3800 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
Physical Layer	Physical Layer	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
PWE3 (Martini)	Tunnel	3.6.0
VPN (VRF)	VPN	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 3800 Series—Supported Modules

Table 11-36 Supported Modules for Cisco 3800 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
AIM-VPN/EPII-PLUS	3.6.1	DES/3DES/AES VPN Encryption/Compression
HWIC-16A	3.6.1	16-Port Async HWIC
HWIC-1GE-SFP	3.6.1	GigE High Speed WIC With One SFP Slot
HWIC-4A/S	3.6.1	4-Port Async/Sync Serial HWIC
HWIC-4T	3.6.1	4-Port Serial HWIC
HWIC-8A	3.6.1	8-Port Async HWIC
HWIC-8A/S-232	3.6.1	8-Port Async/Sync Serial HWIC, EIA-232
NM-16A	3.6.1	16 port Asynchronous Module
NM-16A/S	3.6.2	16-Port Async/Sync Serial Network Module
NM-1A-E3	3.6.2	1-Port E3 ATM Network Module
NM-1A-T3	3.6.1	1-Port DS3 ATM Network Module
NM-1CE1T1-PRI	3.6.1	1-Port Channelized E1/T1/ISDN-PRI Network Module
NM-1FE1R2W	3.6.1	1 10/100 Ethernet 1 4/16 Token-Ring 2 WAN Card Slot NM
NM-1FE2W	3.6.1	Network Module with One-Fast Ethernet and Two-WIC slots
NM-1GE	3.6.2	1 Port GE Network Module
NM-1HSSI	3.6.1	Single port HSSI network module

Table 11-36 Supported Modules for Cisco 3800 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
NM-1T3/E3	3.6.1	One port T3/E3 network module
NM-2CE1T1-PRI	3.6.1	2-Port Channelized E1/T1/ISDN-PRI Network Module
NM-2FE2W-V2=	3.6.7	2-port 10/100 Ethernet 2 WAN Card Slot Network Module
NM-2W	3.6.1	2 WAN Card Slot Network Module(no LAN)
NM-32A	3.6.1	32 port Asynchronous Module
NM-4A/S	3.6.1	4-Port Async/Sync Serial Network Module
NM-4B-S/T	3.6.2	4-Port ISDN-BRI Network Module
NM-4B-U	3.6.1	4-Port ISDN-BRI with NT-1 Network Module
NM-4T	3.6.1	4-Port Serial Network Module
NM-8B-S/T	3.6.2	8-Port ISDN-BRI Network Module
NM-8B-U	3.6.1	8-Port ISDN-BRI with NT-1 Network Module
WIC-1ADSL	3.6.1	1-port ADSL WAN Interface Card
WIC-1ADSL-DG	3.6.2	1-port ADSLoPOTS WIC with Dying Gasp
WIC-1ADSL-I-DG	3.6.2	1-port ADSLoISDN Wan Interface Card
WIC-1B-U-V2	3.6.2	1-Port ISDN BRI NT-1 WIC
WIC-1DSU-T1-V2	3.6.2	Updated 1-Port T1/Fractional T1 DSU/CSU WAN Interface Card
WIC-1SHDSL	3.6.2	1-port G.shdsl WIC (two wire only)
WIC-1SHDSL-V2	3.6.1	1-Port G.SHDSL WIC with Four Wire Suppor
WIC-1T	3.6.1	1-Port Serial WAN Interface Card
WIC-2A/S	3.6.1	2-Port Async/Sync Serial WAN Interface Card
WIC-2T	3.6.1	2-Port Serial WAN Interface Card

Cisco 3800 Series—Supported Technologies

The following technologies are supported by the Cisco 3800 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [TDM/DSx, page 11-326](#)

- [MPLS](#), page 11-330
- [MPLS-TE](#), page 11-334
- [VPN \(VRF\)](#), page 11-339
- [PWE3](#), page 11-340
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [CDP](#), page 11-358

Cisco 3800 Series—Supported Service Events

Table 11-37 Supported Service Events for Cisco 3800 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N

Cisco 7200 Series Routers

This section includes the following information about Cisco 7200 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 7200 Series Routers](#)):

This section contains the following topics:

- [Cisco 7200 Series—Supported Software Versions, page 11-32](#)
- [Cisco 7200 Series—Supported Topologies, page 11-35](#)
- [Cisco 7200 Series—Supported Modules, page 11-35](#)
- [Cisco 7200 Series—Supported Technologies, page 11-38](#)
- [Cisco 7200 Series—Supported Service Events, page 11-39](#)

Cisco 7200 Series—Supported Software Versions

Table 11-38 Supported Software Versions for Cisco 7200 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(31)SB3x	3.6.1
IOS 11.3(7)T	3.6.1
IOS 12.0(21)s7	3.6.2
IOS 12.0(22)S5	3.6.1
IOS 12.0(23)S3.0619	3.6.1
IOS 12.0(23)S4	3.6.1
IOS 12.0(23)S6	3.6.1
IOS 12.0(23)S6.0412	3.6.1
IOS 12.0(24)S3	3.6.1
IOS 12.0(25)S2	3.6.1
IOS 12.0(26)S4	3.6.1
IOS 12.0(26)S5	3.6.1
IOS 12.0(26)S6	3.6.1
IOS 12.0(27)S1	3.6.1
IOS 12.0(32)S6	3.6.0
IOS 12.0(33)S	3.6.2
IOS 12.0(33)S1	3.6.2 ¹
IOS 12.1(10)E	3.6.0
IOS 12.1(19)E6	3.6.0
IOS 12.1(1a)	3.6.0
IOS 12.2(12)	3.6.0
IOS 12.2(15)B	3.6.0

Table 11-38 Supported Software Versions for Cisco 7200 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.2(15)T5	3.6.0
IOS 12.2(18)S12	3.6.2
IOS 12.2(18)s3	3.6.2
IOS 12.2(18.2)	3.6.0
IOS 12.2(25)s2	3.6.2
IOS 12.2(25)s6	3.6.2
IOS 12.2(25)s9	3.6.2
IOS 12.2(27)SBC2	3.6.2
IOS 12.2(28)SB8	3.7.1
IOS 12.2(31)SB	3.6.4
IOS 12.2(31)SB10	3.6.3 ²
IOS 12.2(31)SB12	3.6.4
IOS 12.2(33)SRA	3.6.0
IOS 12.2(33)SRC	3.6.2 ³
IOS 12.2(33)SRC1	3.7.1 ⁴
IOS 12.2(33)SRC2	3.7.1 ⁵
IOS 12.2(33)SRC3	3.6.7 ⁶
IOS 12.2(33)SRC4	3.7.1
IOS 12.2(33)SRC5	3.7.1
IOS 12.2(33)SRC6	3.7.1
IOS 12.2(33)SRD	3.7.1 ⁷
IOS 12.2(33)SRD1	3.6.6 ⁸
IOS 12.2(33)SRD2	3.7.1
IOS 12.2(33)SRD3	3.7.1
IOS 12.2(33)SRD4	3.7.1
IOS 12.2(34)	3.6.0 ⁹
IOS 12.2(37)	3.6.0 ¹⁰
IOS 12.2(40)	3.6.0 ¹¹
IOS 12.2.(31)SB11	3.7 ¹²
IOS 12.3(10)	3.6.0 ¹³
IOS 12.3(10b)	3.6.2
IOS 12.3(10c)	3.6.2
IOS 12.3(10d)	3.6.2
IOS 12.3(12.10)	3.6.0
IOS 12.3(15a)	3.6.0

Table 11-38 Supported Software Versions for Cisco 7200 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.3(17)	3.6.2
IOS 12.3(17a)	3.6.2
IOS 12.3(20)	3.6.2
IOS 12.3(21)	3.6.2
IOS 12.3(26)	3.6.4 ¹⁴
IOS 12.3(3)B1	3.6.0
IOS 12.3(6e)	3.6.2
IOS 12.3(6f)	3.6.2
IOS 12.3(7)XI7a	3.6.0
IOS 12.4(11)T1	3.6.1
IOS 12.4(20)T	3.7 ¹⁵
IOS 12.4(24)T	3.7.1
IOS 12.2(33)SRD5	3.7.1.0.4
IOS 12.2(33)SRE2	3.7.1.0.4
IOS 12.2(33)SRE1	3.7.1.0.4
IOS 12.2(33)SRE	3.7.1.0.4
IOS 12.2(31)SB18	3.7.1.1.0
IOS 12.4(15)T1	3.7.1.1.0
IOS 12.2(33)SRD6	3.7.2-DP-1.0
IOS 12.2(33)SRE3	3.7.2-DP-1.0
IOS 12.2(33)SRE4	3.7.X-DP-4.0
IOS 15.1(3)S	3.7.X-DP-7.0
IOS 12.2(33)SRD7	3.7.X-DP-9.0
IOS 15.1(3)S1	3.7.X-DP-9.0

^{1, 2, 12, 13, 14}Prime Network models pluggable ports for this IOS version.

³Prime Network recognizes all maintenance builds in this IOS release train. Physical Inventory for SP Services images of this IOS version will not be modeled since inventory data is not available using CLI and SNMP. Images other than SP services like IP services/Advanced Enter Services do not have this issue.

^{4, 5, 6}Physical Inventory for this IOS (SP Services) version will not be modeled since inventory data is not available using CLI and SNMP. Support tested + validated using AdvancedEnterprises image. Prime Network models pluggable ports for this IOS version.

⁷Physical Inventory for this IOS (SP Services) version will not be modeled since inventory data is not available using CLI and SNMP.

⁸Prime Network recognizes all maintenance builds in this IOS release train. Physical Inventory for this IOS (SP Services) version will not be modeled since inventory data is not available using CLI and SNMP. Prime Network models pluggable ports for this IOS version.

^{9, 15}Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

^{10, 11}Prime Network recognizes all maintenance builds in this IOS release train.

Cisco 7200 Series—Supported Topologies

Table 11-39 Supported Topologies for Cisco 7200 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BFD	BFD	3.7.1
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.5
Framerelay	Framerelay	3.6.0
MLPPP	MLPPP	3.7.1
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.5
PPP/HDLC	PPP or HDLC	3.6.0
VPN (IPv6)	VPN	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco 7200 Series—Supported Modules

Table 11-40 Supported Modules for Cisco 7200 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
7201	3.6.4	Cisco 7201 (c7201) processor
ATM WAN OC3+ (MM) /PA-A1	3.6.0	ATM WAN OC3+ (MM) Port adapter, 1 port. Port adapter
C7200-I/O-2FE/E	3.6.0	Cisco 7200 Series 2-Port 10/100 Auto-Sensing Fast Ethernet Input/Output Controller
C7200-I/O-FE	3.6.1	7200 I/O FE Controller.
C7200-I/O-GE+E	3.6.0	Cisco 7200 Series 1-Port Gigabit Ethernet and 1-Port Ethernet Input/Output Controller
C7200-IO	3.6.0	I/O controller with no Ethernet port
C7200-JC-PA	3.6.7	Cisco 7200VXR Series Port Adapter Jacket Card.
CX-FEIP-1FX	3.6.0	1-port fast ethernet interface processor (100TX)
NPE-100	3.6.0	Cisco 7200 Series Network Processing Engine 100
NPE-150	3.6.0	Cisco 7200 Series Network Processing Engine 150
NPE-200	3.6.0	Network Processing Engine NPE-200
NPE-225	3.6.0	Cisco 7200 Network Processing Engine NPE-225
NPE-300	3.6.0	Network Processing Engine NPE-300

Table 11-40 Supported Modules for Cisco 7200 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
NPE-400	3.6.0	Cisco 7200VXR Network Processing Engine NPE-400, including 256 MB SDRAM
NPE-G1	3.6.0	Cisco 7200 Series NPE-G1 including 256 MB default DRAM and 64 MB default flash memory
NPE-G2	3.6.0	Cisco 7200VXR NPE-G2 Network Processing Engine
NPE-G2††††††††††††††††	3.7	Cisco 7201 Series NPE-G2 Network Processing Engine
NSE-1	3.6.0	Cisco 7200 Series Network Services Engine, NSE-1
PA-2E3	3.7.1.1.1	2 Port E3 Serial Port Adapter with E3 DSUs
PA-2FE-FX	3.7.1.1.1	2-Port Fast Ethernet 100Base FX Port Adapter
PA-2FE-TX	3.6.0	2-Port Fast Ethernet 100Base TX Port Adapter
PA-2H	3.7.1.1.1	2-Port HSSI Port Adapter
PA-2T3/E3-EC	3.6.7	Cisco 2-Port Clear Channel Enhanced Capability Port Adapter
PA-2T3+	3.6.0	Two-port clear-channel DS3 port adap
PA-4E	3.6.0	4-Port 10BaseT Ethernet Port Adapter
PA-4R-DTR	3.6.0	4-port dedicated Token Ring, 4/16 Mbps, half duplex(HDX) or full duplex (FDX)
PA-4T	3.7.1.1.1	4 Port Serial Port Adapter, Enhanced
PA-8E	3.6.0	8-Port 10BaseT Ethernet Port Adapter
PA-8T1	3.6.1	8-port channelized T1
PA-8T-232	3.7.1.1.1	8-Port Serial, 232 Port Adapter
PA-A3-E3	3.6.1	1-Port ATM Enhanced E3 Port Adapter
PA-A3-OC3MM	3.6.0	Single port ATM OC3c/STM1 Multi Mode Port Adapter
PA-A3-OC3SMI	3.6.0	Single port ATM OC3c/STM1 Single Mode (IR) Port Adapter
PA-A3-OC3SML	3.6.0	Single port ATM OC3c/STM1 Single Mode (LR) Port Adapter
PA-A3-T3	3.6.1	1-Port ATM Enhanced DS3 Port Adapter
PA-A6-OC3MM	3.6.1	1 Port Enh ATM OC3c/STM1 Multimode Port Adapter
PA-A6-OC3SMI	3.6.0	1-Port Enhanced ATM OC3c/STM1 Singlemode (IR) Port Adapter
PA-A6-T3	3.6.2	1Port Enh ATM DS3 Port Adapter
PA-CHSTM1	3.6.1	4 port channelized STM-1 card
PA-E3	3.7.1.1.1	1 Port E3 Serial Port Adapter with E3 DSU
PA-FE-FX	3.6.0	1-Port Fast Ethernet 100BaseFx Port Adapter

Table 11-40 Supported Modules for Cisco 7200 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
PA-FE-TX	3.6.0	1-Port Fast Ethernet 100BaseTx Port Adapter
PA-GE	3.6.0	Gigabit Ethernet Port Adapter
PA-H	3.6.1	1-Port HSSI Port Adapter, Spare
PA-ISA	3.7	PA-ISA port adapter card for Cisco 7200 series
PA-MC-2E1/120	3.6.0	2-Port Multichannel E1/PRI Port Adapter
PA-MC-2T	3.6.0	2-port multichannel T1 with integrated channel service units (CSUs)/DSUs
PA-MC-2T	3.6.0	Two-port enhanced multichannel T3 port adapter
PA-MC-2T3-EC	3.6.1	2 port multichannel T3 port adapter
PA-MC-8E1	3.6.0	8-port MultiChannel E1 Port Adapter
PA-MC-8TE1	3.6.0	8 port multichannel T1/E1 8PRI port adapter
PA-MC-8TE1+	3.6.7	8-port multichannel T1/E1 8PRI port adapter
PA-MC-E3	3.6.0	1-port MultiChannel E3 Port Adapter
PA-MC-STM1-SMI	3.6.1	1 port multichannel STM-1 single mode port adapter Spare
PA-MC-T3	3.6.0	Single port enhanced multichannel T3 port adapter
PA-MC-T3-EC	3.6.1	Enhanced 1 port multichannel PA
PA-MCX-4TE1	3.6.0	4 port MIX-enabled multichannel T1/E1 with CSU/DSU
PA-MCX-8TE1	3.6.0	8 port multichannel T1/E1 8PRI port adapter
PA-POS-1OC3	3.6.1	2 Port Packet/SONET OC3c/STM1 Port Adapter
PA-POS-OC3	3.6.4	1-Port Packet/SONET OC3c/STM1 Port Adapter
PA-POS-OC3MM	3.6.0	MultiMode PoS, OC3 Port Adapter
PA-POS-OC3SMI	3.6.0	Single-Mode Intermediate Reach PoS, OC3 Port Adapter
PA-POS-OC3SML	3.6.0	Single-Mode Long Reach PoS, OC3 Port Adapter
PA-T3	3.6.0	One-port clear-channel DS3 port adapter
PA-T3+	3.6.7	1-port T3 Serial Port Adapter Enhanced
PWR-7200-AC	3.6.6	Cisco 7200 AC power supply
PWR-7200-DC	3.6.4	Cisco 7200 DC power supply
SA-VAM	3.6.1	VPN Acceleration Module
SA-VAM2	3.6.2	AES wide key crypto card
SA-VAM2+	3.7	The VPN Acceleration Module 2+ (VAM2+) is a port adapter that installs in any single port-adapter slot on the Cisco 7204VXR or Cisco 7206VXR router with the NPE-225, NPE-400, or NPE-G1 processor, or the Cisco 7301 router.

Table 11-40 Supported Modules for Cisco 7200 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SFP-GE-L	3.6.7	1000BASE-LX/LH short wavelength; with digital optical monitoring
SFP-GE-S	3.6.7	1000BASE-SX short wavelength; with digital optical monitoring
SFP-OC3-IR1	3.7	OC3 Single Mode Intermediate Reach SFP
VAM2	3.6.2	VPN Acceleration Module 2
VSA	3.6.1	VPN Service Adapter
WS-G5484	3.6.1	1000Base-ZX extended reach GBIC(singlemode)
WS-G5486	3.6.1	1000Base-ZX extended reach GBIC(singlemode)
WS-G5487	3.6.1	1000Base-ZX extended reach GBIC(singlemode)
WS-X6582-2PA	3.6.0	Enhanced FlexWAN Module, Fabric-enabled

Cisco 7200 Series—Supported Technologies

The following technologies are supported by the Cisco 7200 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [Frame Relay](#), page 11-322
- [PPP](#), page 11-323
- [HDLC](#), page 11-325
- [SONET/SDH](#), page 11-325
- [TDM/DSx](#), page 11-326
- [MPLS](#), page 11-330
- [MPLS-TE](#), page 11-334
- [VPN \(VRF\)](#), page 11-339
- [PWE3](#), page 11-340
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [Additional Technologies](#), page 11-351
- [BFD](#), page 11-355
- [Carrier Ethernet](#), page 11-356
- [CDP](#), page 11-358
- [6PE](#), page 11-371

Cisco 7200 Series—Supported Service Events

Table 11-41 Supported Service Events for Cisco 7200 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Active IP Interfaces Found	3.6.0	Y
IMA Admin Down	3.6.0	Y
IMA Oper Down	3.7	N
ima oper up	3.7	N
BFD Neighbor Loss	3.8	Y
BFD Neighbor Found	3.8	Y
BGP Link Down Due to Admin Down	3.6.0	Y
BGP Link Down Due to Oper	3.6.0	Y
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	Y
Device Unsupported	3.6.0	Y
Discard Packets	3.6.0	Y
DS0 Bundle Admin Down	3.6.0	Y
DS0 Bundle Oper Down	3.6.0	Y
DS0 Bundle Up	3.6.0	Y
DS1 Path Link Down Due to Admin Down	3.6.0	Y
DS1 Path Link Down Due to Oper Down	3.6.0	Y
DS1 Path Link Up	3.6.0	Y
EFP Down Due to Error Disabled	3.6.7	N
Fan-Tray Up	3.6.0	Y
Fan-Tray Out	3.6.0	Y
Keepalive Not Set	3.7	N
Keepalive Set	3.7	N
Primary HSRP Interface Is Active	3.6.0	N
Primary HSRP Interface Is Not Active	3.6.0	N
Secondary HSRP Interface Is Active	3.6.0	N
Secondary HSRP Interface Is Not Active	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N

Table 11-41 Supported Service Events for Cisco 7200 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
LDP Neighbor Down	3.6.0	Y
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MLPPP Down Due To Admin Down	3.7	N
MLPPP Down Due To Oper Down	3.7	N
MLPPP Up	3.7	N
MPLS Black Hole Found	3.6.0	N
MPLS Interface Removed	3.6.0	N
OSPF Neighbor Down	3.6.0	N
OSPF Neighbor Up	3.6.0	N
Port Down Due to Admin	3.6.0	Y
Power Supply Out	3.6.0	Y
Power Supply In	3.6.0	Y
Pluggable Transceiver Out	3.8	N
SONET Path Link Down Due to Admin Down	3.7	N
SONET Path Link Down Due to Oper Down	3.7	N

Cisco 7300 Series Routers

This section includes the following information about Cisco 7300 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 7300 Series Routers](#)):

This section contains the following topics:

- [Cisco 7300 Series—Supported Software Versions, page 11-41](#)
- [Cisco 7300 Series—Supported Topologies, page 11-43](#)
- [Cisco 7300 Series—Supported Modules, page 11-43](#)
- [Cisco 7300 Series—Supported Technologies, page 11-43](#)
- [Cisco 7300 Series—Supported Service Events, page 11-44](#)

Cisco 7300 Series—Supported Software Versions

Table 11-42 Supported Software Versions for Cisco 7300 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
11.3(7)T	3.7
12.0(21)s7	3.7
12.0(22)S5	3.7
12.0(23)S3.0619	3.7
12.0(23)S4	3.7
12.0(23)S6	3.7
12.0(25)S2	3.7
12.0(26)S4	3.7
12.0(26)S5	3.7
12.0(26)S6	3.7
12.0(27)S1	3.7
12.0(32.S7.051907A)	3.7
12.0(33)S1	3.7 ¹
12.1(10)E	3.7
12.1(19)E6	3.7
12.1(1a)	3.7
12.2(12)	3.7
12.2(15)B	3.7
12.2(15)T5	3.7
12.2(18)s3	3.7
12.2(18.2)	3.7
12.2(25)s2	3.7
12.2(25)s6	3.7
12.2(25)s9	3.7
12.2(27)SBC2	3.7
12.2(31)SB	3.7
12.2(31)SB11	3.7 ²
12.2(31)SB12	3.7
12.2(31)SB3	3.7
12.2(31)SB3x	3.7
12.2(33)SRA	3.7
12.2(33)SRC	3.7 ³
12.2(33)SRC3	3.7 ⁴

Table 11-42 Supported Software Versions for Cisco 7300 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(33)SRD1	3.7 ⁵
12.3(10)	3.7 ⁶
12.3(10b)	3.7
12.3(10c)	3.7
12.3(10d)	3.7
12.3(12.10)	3.7
12.3(17)	3.7
12.3(17a)	3.7
12.3(20)	3.7
12.3(21)	3.7
12.3(26)	3.7 ⁷
12.3(6b)	3.7 ⁸
12.3(6e)	3.7
12.3(6f)	3.7
12.4(20)T	3.7 ⁹
12.0(32)S	3.7 ¹⁰
12.2(34)	3.7 ¹¹
12.3	3.7 ¹²
12.3(14)	3.7 ¹³
12.3(15)	3.7 ¹⁴
12.4	3.7 ¹⁵
12.4(11)T	3.7 ¹⁶
12.4(12)	3.7 ¹⁷
12.4(20)T1	3.7 ¹⁸
15.1(3)S	3.7.X-DP-7.0
15.0(1)M	3.7.X-DP-7.0
15.0(1)M6	3.7.X-DP-7.0
15.0(1)M1	3.7.X-DP-8.0
15.0(1)M2	3.7.X-DP-8.0
15.0(1)M3	3.7.X-DP-8.0
15.0(1)M4	3.7.X-DP-8.0
15.0(1)M5	3.7.X-DP-8.0

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 11}Prime Network models pluggable ports for this IOS version.

^{10, 12, 13, 14, 15, 16, 18}Prime Network supports all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

¹⁷Prime Network supports all maintenance builds in this IOS release train.

Cisco 7300 Series—Supported Topologies

Table 11-43 Supported Topologies for Cisco 7300 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7
Ethernet	Ethernet	3.6.5
Physical Layer	Physical Layer	3.6.5
VPN (IPv6)	VPN	3.7
L2 Fabric	L2 Fabric Link	4.2

Cisco 7300 Series—Supported Modules

Table 11-44 Supported Modules for Cisco 7300 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
7300-PA-CC	3.7	Carrier card for Cisco 7200 Series port adapters
C7304-MSC100-SPA	3.7	Cisco 7304 SPA Modular Services Carrier Card
CISCO 7301 NETWORK PROCESSOR ENGINE	3.7.2	Cisco 7301 Network Processor Engine
NSE-100	3.7	Cisco 7304 NSE-100 w/512MB SDRAM, 256MB Flsh, (2)GE
NSE-150	3.7	Cisco 7304 NSE-150 with 2 GB SDRAM, 256MB Flash, (4)GE (offered through system bundle†only)
SFP-OC3-IR1	3.7	SFP OC-3/STM-1 Intermediate-Reach
SFP-OC3-LR1	3.7	SFP OC-3/STM-1 Long-Reach (40 km)
SFP-OC3-MM	3.7	SFP OC-3/STM-1 Multimode

Cisco 7300 Series—Supported Technologies

The following technologies are supported by the Cisco 7300 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [HDLC](#), page 11-325
- [SONET/SDH](#), page 11-325
- [MPLS](#), page 11-330
- [VPN \(VRF\)](#), page 11-339

- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [Carrier Ethernet](#), page 11-356
- [CDP](#), page 11-358

Cisco 7300 Series—Supported Service Events

Table 11-45 Supported Service Events for Cisco 7300 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7	Y
Active IP Interfaces Found	3.7	Y
Card Down	3.7	Y
Card Up	3.7	Y
Card Out	3.7	Y
Card In	3.7	Y
Device Unsupported	3.7	Y
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y

Cisco 7400 Series Routers

This section includes the following information about Cisco 7400 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 7400 Series Routers](#)):

This section contains the following topics:

- [Cisco 7400 Series—Supported Software Versions](#), page 11-44
- [Cisco 7400 Series—Supported Topologies](#), page 11-46
- [Cisco 7400 Series—Supported Modules](#), page 11-46
- [Cisco 7400 Series—Supported Technologies](#), page 11-47
- [Cisco 7400 Series—Supported Service Events](#), page 11-48

Cisco 7400 Series—Supported Software Versions

Table 11-46 Supported Software Versions for Cisco 7400 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 11.3(7)T	3.6.1

Table 11-46 Supported Software Versions for Cisco 7400 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.0(22)S5	3.6.1
IOS 12.0(23)S3.0619	3.6.1
IOS 12.0(23)S4	3.6.1
IOS 12.0(23)S6	3.6.1
IOS 12.0(23)S6.0412	3.6.1
IOS 12.0(24)S3	3.6.1
IOS 12.0(25)S2	3.6.1
IOS 12.0(26)S4	3.6.1
IOS 12.0(26)S5	3.6.1
IOS 12.0(26)S6	3.6.1
IOS 12.0(27)S1	3.6.1
IOS 12.0(32)S6	3.6.0 ¹
IOS 12.0(33)S	3.6.2
IOS 12.0(33)S1	3.6.2 ²
IOS 12.1(10)E	3.6.0
IOS 12.1(19)E6	3.6.0
IOS 12.1(1a)	3.6.0
IOS 12.2(12)	3.6.0
IOS 12.2(15)B	3.6.0
IOS 12.2(15)T5	3.6.0
IOS 12.2(18.2)	3.6.0
IOS 12.2(28)SB	3.6.2
IOS 12.2(31)SB3x	3.6.1
IOS 12.2(33)SRA	3.6.2
IOS 12.2(34)	3.6.0 ³
IOS 12.3(10)	3.6.0 ⁴
IOS 12.3(12.10)	3.6.0
IOS 12.3(14)	3.6.2 ⁵
IOS 12.3(15a)	3.6.0
IOS 12.3(3)B1	3.6.0
IOS 12.3(7)X17a	3.6.0 ⁶
IOS 12.4(11)T1	3.6.1 ⁷

^{1, 2, 3, 4, 5, 6, 7}Prime Network models pluggable ports for this IOS version.

Cisco 7400 Series—Supported Topologies

Table 11-47 Supported Topologies for Cisco 7400 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
LAG	LAG	3.6.0
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 7400 Series—Supported Modules

Table 11-48 Supported Modules for Cisco 7400 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
PA-2FE-TX	3.6.0	2-Port Fast Ethernet 100Base TX Port Adapter
PA-2T3	3.6.0	Two-port clear-channel DS3 port adap
PA-4E	3.6.0	4-Port 10BaseT Ethernet Port Adapter
PA-4R-DTR	3.6.0	4-port dedicated Token Ring, 4/16 Mbps, half duplex(HDX) or full duplex (FDX)
PA-8E	3.6.0	8-Port 10BaseT Ethernet Port Adapter
PA-A3-OC3MM	3.6.0	Single port ATM OC3c/STM1 Multi Mode Port Adapter
PA-A3-OC3SMI	3.6.0	Single port ATM OC3c/STM1 Single Mode (IR) Port Adapter
PA-A3-OC3SML	3.6.0	Single port ATM OC3c/STM1 Single Mode (LR) Port Adapter
PA-FE-FX	3.6.0	1-Port Fast Ethernet 100BaseFx Port Adapter
PA-FE-TX	3.6.0	1-Port Fast Ethernet 100BaseTx Port Adapter
PA-GE	3.6.0	Gigabit Ethernet Port Adapter
PA-MC-2E1/120	3.6.0	2-Port Multichannel E1/PRI Port Adapter
PA-MC-2T	3.6.0	2-port multichannel T1 with integrated channel service units (CSUs)/DSUs
PA-MC-8E1	3.6.0	8-port MultiChannel E1 Port Adapter
PA-MC-8TE1	3.6.0	8 port multichannel T1/E1 8PRI port adapter

Table 11-48 Supported Modules for Cisco 7400 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
PA-MC-E3	3.6.0	1-port MultiChannel E3 Port Adapter
PA-MC-T3	3.6.0	Single port enhanced multichannel T3 port adapter
PA-POS-OC3MM	3.6.0	MultiMode PoS, OC3 Port Adapter
PA-POS-OC3SMI	3.6.0	Single-Mode Intermediate Reach PoS, OC3 Port Adapter
PA-POS-OC3SML	3.6.0	Single-Mode Long Reach PoS, OC3 Port Adapter
PA-T3	3.6.0	One-port clear-channel DS3 port adapter

Cisco 7400 Series—Supported Technologies

The following technologies are supported by the Cisco 7400 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [CDP, page 11-358](#)

Cisco 7400 Series—Supported Service Events

Table 11-49 Supported Service Events for Cisco 7400 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
Port Down Due to Admin	3.6.0	Y
Port Up	3.6.0	Y
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Cisco 7500 Series Routers

This section includes the following information about Cisco 7500 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 7500 Series Routers](#)):

This section contains the following topics:

- [Cisco 7500 Series—Supported Software Versions](#), page 11-49
- [Cisco 7500 Series—Supported Topologies](#), page 11-50
- [Cisco 7500 Series—Supported Modules](#), page 11-51
- [Cisco 7500 Series—Supported Technologies](#), page 11-51

- [Cisco 7500 Series—Supported Service Events, page 11-51](#)

Cisco 7500 Series—Supported Software Versions

Table 11-50 Supported Software Versions for Cisco 7500 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
11.3(7)T	3.7
12.0(20060619:094154)	3.7
12.0(21)s7	3.7
12.0(23)S3.0619	3.7
12.0(23)S4	3.7
12.0(23)S6	3.7
12.0(25)S2	3.7
12.0(26)S4	3.7
12.0(26)S5	3.7
12.0(26)S6	3.7
12.0(27)S1	3.7
12.0(32.S7.051907A)	3.7
12.0(33)S1	3.7 ¹
12.1(10)E	3.7
12.1(19)E6	3.7
12.1(1a)	3.7
12.2(12)	3.7
12.2(15)B	3.7
12.2(15)T5	3.7
12.2(18)s3	3.7
12.2(18.2)	3.7
12.2(25)s2	3.7
12.2(25)s6	3.7
12.2(25)s9	3.7
12.2(27)SBC2	3.7
12.2(31)SB	3.7
12.2(31)SB11	3.7 ²
12.2(31)SB12	3.7
12.2(31)SB3	3.7
12.2(31)SB3x	3.7
12.2(33)SRA	3.7

Table 11-50 Supported Software Versions for Cisco 7500 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(33)SRC	3.7 ³
12.2(33)SRC3	3.7 ⁴
12.2(33)SRD1	3.7 ⁵
12.3(10)	3.7 ⁶
12.3(10b)	3.7
12.3(10c)	3.7
12.3(10d)	3.7
12.3(12.10)	3.7
12.3(17)	3.7
12.3(17a)	3.7
12.3(20)	3.7
12.3(21)	3.7
12.3(26)	3.7 ⁷
12.3(6b)	3.7 ⁸
12.3(6e)	3.7
12.3(6f)	3.7
12.4(20)T	3.7 ⁹
12.0(32)S	3.7 ¹⁰
12.2(128)SB	3.7
12.2(34)	3.7 ¹¹
12.3	3.7 ¹²
12.3(14)	3.7 ¹³
12.3(15)	3.7 ¹⁴
12.4	3.7 ¹⁵
12.4(11)T	3.7 ¹⁶
12.4(12)	3.7

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Prime Network models pluggable ports for this IOS version.

Cisco 7500 Series—Supported Topologies

Table 11-51 Supported Topologies for Cisco 7500 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7

Table 11-51 Supported Topologies for Cisco 7500 Series—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7
L2 Fabric	L2 Fabric Link	4.2

Cisco 7500 Series—Supported Modules

Table 11-52 Supported Modules for Cisco 7500 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NSE-150	3.7	Cisco 7304 NSE-150 Network Services Engine
NSE-100	3.7	Cisco 7304 NSE-100 Network Services Engine

Cisco 7500 Series—Supported Technologies

The following technologies are supported by the Cisco 7500 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [MPLS, page 11-330](#)
- [VPN \(VRF\), page 11-339](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [CDP, page 11-358](#)

Cisco 7500 Series—Supported Service Events

Table 11-53 Supported Service Events for Cisco 7500 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7	Y

Table 11-53 Supported Service Events for Cisco 7500 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Active IP Interfaces Found	3.7	Y
Card Down	3.7	Y
Card Up	3.7	Y
Card Out	3.7	Y
Card In	3.7	Y
Device Unsupported	3.7	Y
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Link Up	3.7	N
Port Down Due to Admin	3.7	N
Port Up	3.7	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.7	N

Cisco 7600 Series Routers

This section includes the following information about Cisco 7600 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 7600 Series Routers](#)):

This section contains the following topics:

- [Cisco 7600 Series—Supported Software Versions, page 11-52](#)
- [Cisco 7600 Series—Supported Topologies, page 11-58](#)
- [Cisco 7600 Series—Supported Modules, page 11-58](#)
- [Cisco 7600 Series—Supported Technologies, page 11-76](#)
- [Cisco 7600 Series—Supported Service Events, page 11-77](#)

Cisco 7600 Series—Supported Software Versions

Table 11-54 Supported Software Versions for Cisco 7600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.1(13)E6	3.6.1
IOS 12.1(20)E3	3.6.1
IOS 12.2(18)SXD	3.6.0
IOS 12.2(18)SXD2	3.6.1

Table 11-54 Supported Software Versions for Cisco 7600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.2(18)SXD5	3.6.0
IOS 12.2(18)SXE	3.6.0 ¹
IOS 12.2(18)SXE6b	3.6.0
IOS 12.2(18)SXF	3.6.0
IOS 12.2(18)SXF7	3.6.2 ²
IOS 12.2(33)SRA	3.6.0 ³
IOS 12.2(33)SRA2	3.6.0
IOS 12.2(33)SRA6	3.6.3 ⁴
IOS 12.2(33)SRB	3.6.0 ⁵
IOS 12.2(33)SRB1	3.6.1 ⁶
IOS 12.2(33)SRB2	3.6.2
IOS 12.2(33)SRB3	3.6.3 ⁷
IOS 12.2(33)SRB4	3.6.4 ⁸
IOS 12.2(33)SRB5	3.7.0.1
IOS 12.2(33)SRB6	3.7.0.1
IOS 12.2(33)SRC	3.6.2 ⁹
IOS 12.2(33)SRC1	3.6.3 ¹⁰
IOS 12.2(33)SRC2	3.6.4 ¹¹
IOS 12.2(33)SRC3	3.6.7 ¹²
IOS 12.2(33)SRC4	3.7 ¹³
IOS 12.2(33)SRC5	3.7.0.1
IOS 12.2(33)SRC6	3.7.1
IOS 12.2(33)SRD1	3.6.4 ¹⁴
IOS 12.2(33)SRD2	3.6.6 ¹⁵
IOS 12.2(33)SRD2a	3.7.0.1
IOS 12.2(33)SRD3	3.7 ¹⁶
IOS 12.2(33)SRD4	3.7.0.1
IOS 12.2(33)SRE	3.7 ¹⁷
IOS 12.2(33)SRE0a	3.7.0.1
IOS 12.2(33)SRE1	3.7.0.1
IOS 12.2(33)SXH2a	3.6.5 ¹⁸
IOS 15.0(1)S	3.7.1
IOS 15.1(1)S	3.7.2
IOS 12.2(33)SRD5	3.7.1.1.0
IOS 12.2(33)SRE2	3.7.1.1.0

Table 11-54 Supported Software Versions for Cisco 7600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.0(1)S1	3.7.2
IOS 15.0(1)S2	3.7.2
IOS 12.2(33)SRE3	3.7.2
IOS 12.2(33)SRD6	ANA-DP1
IOS 15.1(1)S1	ANA-DP1
IOS 12.2(18)SXF11	ANA-DP1
IOS 15.1(2)S	ANA-DP2
IOS 15.0(1)S3	ANA-DP2
IOS 15.1(1)S2	ANA-DP3
IOS 12.2(33)SRE4	ANA-DP4
IOS 15.1(2)S1	PrimeNetwork-3.7.3-DP5
IOS 15.1(3)S	PrimeNetwork-3.7.3-DP6
IOS 15.0(1)S4	PrimeNetwork-3.7.3-DP6
IOS 15.1(2)S2	PrimeNetwork-3.7.3-DP7
IOS 12.2(33)SRD7	PrimeNetwork-3.7.3-DP9
IOS 15.1(3)S1	PrimeNetwork-3.7.3-DP9
IOS 15.2(1)S	Cisco-Prime Network-3.7.x-DP10, Cisco-Prime Network-3.8-DP1
IOS 12.2(33)SRE5	Cisco-Prime Network-3.7.x-DP10, Cisco-Prime Network-3.8-DP1
IOS 15.1(3)S2	Cisco-Prime Network-3.7.x-DP10, Cisco-Prime Network-3.8-DP1

Table 11-54 Supported Software Versions for Cisco 7600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.0(1)S5	Cisco-Prime Network-3.7.x-DP11, Cisco-Prime Network-3.8-DP2
IOS 12.2(33)SRE6	Cisco-Prime Network-3.7.x-DP13, Cisco-Prime Network-3.8-DP4
IOS 12.2(33)SRD8	Cisco-Prime Network-3.7.x-DP14, Cisco-Prime Network-3.8-DP5
IOS 15.1(3)S3	Cisco-Prime Network-3.7.x-DP14, Cisco-Prime Network-3.8-DP5
IOS 15.2(1)S1	Cisco-Prime Network-3.7.x-DP14, Cisco-Prime Network-3.8-DP5
IOS 15.2(2)S	PrimeNetwork-3.8.X-DP7
IOS 15.0(1)S6	Cisco-Prime Network-3.7.x-DP17, PrimeNetwork-3.8.xTo3.9.x-DP1207
IOS 15.2(4)S	Cisco-Prime Network-3.7.x-DP19, PrimeNetwork-3.8.xTo3.9.x-DP1209

Table 11-54 Supported Software Versions for Cisco 7600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(3)S4	Cisco-Prime Network-3.7.x-DP19, PrimeNetwork-3.8.xTo3.9.x-DP1209
IOS 15.3(1)S1	Prime Network 3.10.xTo3.11.x DP 1308,CiscoPrimeNetwork-4.0-DP1308
IOS 15.3(2)S	Prime Network 3.10.xTo3.11.x DP 1403,CiscoPrimeNetwork-4.0-DP1403
IOS 15.3(3)s2	Prime Network 3.10.xTo3.11.x DP 1403,CiscoPrimeNetwork-4.0-DP1403
IOS 15.4(1)S	Prime Network 3.10.xTo3.11.x DP 1403,CiscoPrimeNetwork-4.0-DP1403
IOS 15.4(2)S	Prime Network 3.10.xTo3.11.x DP 1405,CiscoPrimeNetwork-4.0-DP1405

Table 11-54 Supported Software Versions for Cisco 7600 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(3)S7	CiscoPrimeNetwork-4.0-DP1409,CiscoPrimeNetwork-4.1-DP1409
IOS 15.4(3)S	Prime Network 3.10.xTo3.11.x DP1408,CiscoPrimeNetwork-4.0-DP1409,CiscoPrimeNetwork-4.1-DP1409
12.2(33)SRE7	Prime Network 4.0 DP1411 , Prime Network 4.1 DP1411
IOS 15.5(1)S	CiscoPrimeNetwork-4.0-DP1503,CiscoPrimeNetwork-4.1-DP1503,CiscoPrimeNetwork-4.2-DP1503
IOS 15.5(3)S7 ¹⁹	Prime Network 4.3.1 DP1905

^{1, 2, 3, 4, 7, 8, 10, 11, 12, 13, 15, 16, 18}Prime Network models pluggable ports for this IOS version.

⁵12.2(33)SRB is not supported on Cisco 7603-S and Cisco 7609-S, as both devices provide incorrect sysoids.Prime Network models pluggable ports for this IOS version.

⁶12.2(33)SRB1 is not supported on Cisco 7603-S and Cisco 7609-S, as both devices provide incorrect sysoids.

^{9, 14, 17}Prime Network recognizes all maintenance builds in this IOS release train.Prime Network models pluggable ports for this IOS version.

¹⁹Cisco 7606 and Cisco 7606-S Series Routers

Cisco 7600 Series—Supported Topologies

Table 11-55 Supported Topologies for Cisco 7600 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BFD	BFD	3.7.1
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
LAG	LAG	3.6.0
MLPPP	MLPPP	3.7.1
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
VPN (IPv6)	VPN	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco 7600 Series—Supported Modules

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
4000W-DC	3.6.2	4000W DC PS for 7609/7613Chassis
6000W-DC	3.6.2	6000W DC PS
7600-ES+20C3C	3.7	20G Combo Link Daughter Card (not a FRU)
7600-ES+20G	3.6.6	7600 ES+ 20x1G Link DC
7600-ES+20G3C	3.6.6	7600 ES+ Line Card, 20xGE SFP with DFC 3C
7600-ES+20G3CXL	3.6.6	7600 ES+ Line Card, 20xGE SFP with DFC 3CXL
7600-ES+2TG	3.6.6	7600 ES+ 2x10G Link DC
7600-ES+2TG3C	3.6.6	7600 ES+ Line Card, 2x10GE XFP with DFC 3C
7600-ES+2TG3CXL	3.6.6	7600 ES+ Line Card, 2x10GE XFP with DFC 3CXL
7600-ES+3C	3.6.6	7600 ES+ Policy Forwarding 3C DC
7600-ES+3CXL	3.6.6	7600 ES+ Policy Forwarding 3CXL DC
7600-ES+40C3C	3.7	40G Combo Link Daughter Card (not a FRU)
7600-ES+40G	3.6.6	7600 ES+ 40x1G Link DC
7600-ES+40G3C	3.6.6	7600 ES+ Line Card, 40xGE SFP with DFC 3C
7600-ES+40G3CXL	3.6.4	7600 ES+ Line Card, 40xGE SFP with DFC 3CXL

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
7600-ES+4TG	3.6.6	7600 ES+ 4x10G Link DC
7600-ES+4TG3C	3.6.6	7600 ES+ Line Card, 4x10GE XFP with DFC 3C
7600-ES+4TG3CXL	3.6.6	7600 ES+ Line Card, 4x10GE XFP with DFC 3CXL
7600-ES20	3.6.1	Cisco 7600 Series Ethernet Services Card
7600-ES20-10G3C	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3C
7600-ES20-10G3CXL	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3CXL
7600-ES20-GE3C	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3C
7600-ES20-GE3CXL	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3CXL
7600-ES20-PROC	3.6.1	7600 ES20 PROC FRU
7600-MSFC4	3.6.1	c7600 MSFC4 Daughterboard
7600-PFC3C	3.6.5	RSP720 Policy Feature Card 3C
7600-SIP-200	3.6.0	SPA Interface Processor-200
7600-SIP-400	3.6.0	SPA Interface Processor-400
7600-SIP-600	3.6.0	SPA Interface Processor-600
7600-SSC-400	3.6.3	Cisco 7600 / Catalyst 6500 Services SPA Carrier Card-400 Rev. 2.0
76-ES+T-20G	3.7.1	7600 ES+T Fixed 20x1G Low Queue Transport 3CXL
76-ES+T-20GQ	3.7.1	7600 ES+T 20x1G Low Queue Transport Link Daughter Card
76-ES+T-2TG	3.7.1	7600 ES+T Fixed OTN/DWDM+FEC 2x10GE 3C XL Low Queue Transport 3CXL
76-ES+T-2TGQ	3.7.1	7600 ES+T OTN/DWDM+FEC 2x10GE 3C XL Low Queue Transport Link Daughter card
76-ES+T-40G	3.7.1	7600 ES+T Fixed 40x1G Low Queue Transport 3CXL
76-ES+T-40GQ	3.7.1	7600 ES+T 40x1G Low Queue Transport Link Daughter Card
76-ES+T-4TG	3.7.1	7600 ES+T Fixed OTN/DWDM+FEC 4x10GE 3C XL Low Queue Transport 3CXL
76-ES+T-4TGQ	3.7.1	7600 ES+T OTN/DWDM+FEC 4x10GE 3C XL Low Queue Transport Link Daughter card
76-ES+XC-20G3C	3.7	7600 ES+XC Combo 10x1GE/ 1x10GE, DFC3CXL
76-ES+XC-20G3CXL	3.7	7600 ES+XC Combo 10x1GE/ 1x10GE, DFC3CXL
76-ES+XC-40G3C	3.7	Combo 20x1GE/2x10GE - 3C
76-ES+XC-40G3CXL	3.7	Combo 20x1GE/2x10GE - 3CXL

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
76-ES+XT-2TG3C	3.7	7600 ES+XT, LAN/WAN PHY, OTN/G.709, 2x10GE, XFP, DFC3C
76-ES+XT-2TG3CXL	3.7	7600 ES+XT, LAN/WAN PHY, OTN/G.709, 2x10GE, XFP, DFC3CXL
76-ES+XT-4TG3C	3.7	7600 ES+XT, LAN/WAN PHY, OTN/G.709, 4x10GE, XFP, DFC3C
76-ES+XT-4TG3CXL	3.7	7600 ES+XT, LAN/WAN PHY, OTN/G.709, 4x10GE, XFP, DFC3CXL
ACE10-6500-K9††††††††	3.7	Cisco Application Control Engine Service Module
CEVFAN	3.6.1	Fan
CLK-7600	3.7	Cisco 7600 Clock Module
CWDM-SFP-1470	3.7	CWDM SFP 1470 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	3.7	CWDM SFP 1490 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	3.7	CWDM SFP 1510 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	3.7	CWDM SFP 1530 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	3.7	CWDM SFP 1550 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	3.7	CWDM SFP 1570 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	3.7	CWDM SFP 1590 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	3.7	CWDM SFP 1610 nm, Gigabit Ethernet and 1G/2G FC
DFC-3C	3.6.1	Distributed Forwarding Card 3C
DWDM-SFP-3033	3.6.7	Cisco 1000BASE-DWDM SFP 1530.33 nm
DWDM-SFP-3112	3.6.7	Cisco 1000BASE-DWDM SFP 1531.12 nm
DWDM-SFP-3190	3.6.7	Cisco 1000BASE-DWDM SFP 1531.90 nm
DWDM-SFP-3268	3.6.7	Cisco 1000BASE-DWDM SFP 1532.68 nm
DWDM-SFP-3346	3.7.2	Cisco 1000BASE-DWDM SFP 1533.46 nm
DWDM-SFP-3425	3.6.7	Cisco 1000BASE-DWDM SFP 1534.25 nm
DWDM-SFP-3504	3.6.7	Cisco 1000BASE-DWDM SFP 1535.04 nm
DWDM-SFP-3582	3.6.7	Cisco 1000BASE-DWDM SFP 1535.82 nm
DWDM-SFP-3661	3.6.7	Cisco 1000BASE-DWDM SFP 1536.61 nm
DWDM-SFP-3739	3.7.2	Cisco 1000BASE-DWDM SFP 1537.39 nm
DWDM-SFP-3819	3.6.7	Cisco 1000BASE-DWDM SFP 1538.19 nm

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-SFP-3898	3.6.7	Cisco 1000BASE-DWDM SFP 1539.98 nm
DWDM-SFP-3977	3.6.7	Cisco 1000BASE-DWDM SFP 1539.77 nm
DWDM-SFP-4056	3.6.7	Cisco 1000BASE-DWDM SFP 1540.56 nm
DWDM-SFP-4134	3.7.2	Cisco 1000BASE-DWDM SFP 1541.34 nm
DWDM-SFP-4214	3.6.7	Cisco 1000BASE-DWDM SFP 1542.14 nm
DWDM-SFP-4294	3.6.7	Cisco 1000BASE-DWDM SFP 1542.94 nm
DWDM-SFP-4373	3.6.7	Cisco 1000BASE-DWDM SFP 1543.73 nm
DWDM-SFP-4453	3.6.7	Cisco 1000BASE-DWDM SFP 1544.53 nm
DWDM-SFP-4532	3.7.2	Cisco 1000BASE-DWDM SFP 1545.32 nm
DWDM-SFP-4612	3.6.7	Cisco 1000BASE-DWDM SFP 1546.12 nm
DWDM-SFP-4692	3.6.7	Cisco 1000BASE-DWDM SFP 1546.92 nm
DWDM-SFP-4772	3.6.7	Cisco 1000BASE-DWDM SFP 1547.72 nm
DWDM-SFP-4851	3.6.7	Cisco 1000BASE-DWDM SFP 1548.51 nm
DWDM-SFP-4931	3.7.2	Cisco 1000BASE-DWDM SFP 1549.31 nm
DWDM-SFP-5012	3.6.7	Cisco 1000BASE-DWDM SFP 1550.12 nm
DWDM-SFP-5092	3.6.7	Cisco 1000BASE-DWDM SFP 1550.92 nm
DWDM-SFP-5172	3.6.7	Cisco 1000BASE-DWDM SFP 1551.72 nm
DWDM-SFP-5252	3.6.7	Cisco 1000BASE-DWDM SFP 1552.52 nm
DWDM-SFP-5332	3.7.2	Cisco 1000BASE-DWDM SFP 1553.32 nm
DWDM-SFP-5413	3.6.7	Cisco 1000BASE-DWDM SFP 1554.13 nm
DWDM-SFP-5494	3.6.7	Cisco 1000BASE-DWDM SFP 1554.94 nm
DWDM-SFP-5575	3.6.7	Cisco 1000BASE-DWDM SFP 1555.75 nm
DWDM-SFP-5655	3.6.7	Cisco 1000BASE-DWDM SFP 1556.55 nm
DWDM-SFP-5736	3.7.2	Cisco 1000BASE-DWDM SFP 1557.36 nm
DWDM-SFP-5817	3.6.7	Cisco 1000BASE-DWDM SFP 1558.17 nm
DWDM-SFP-5898	3.6.7	Cisco 1000BASE-DWDM SFP 1558.98 nm
DWDM-SFP-5979	3.6.7	Cisco 1000BASE-DWDM SFP 1559.79 nm
DWDM-SFP-6061	3.6.7	Cisco 1000BASE-DWDM SFP 1560.61 nm
DWDM-SFP-6141	3.7.2	Cisco 1000BASE-DWDM SFP 1561.41 nm
DWDM-XENPAK-30.33	3.6.7	10GBASE-DWDM 1530.33 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-31.12	3.6.7	10GBASE-DWDM 1531.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-31.90	3.6.7	10GBASE-DWDM 1531.90 nm XENPAK (100-GHz ITU grid)

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-XENPAK-32.68	3.6.7	10GBASE-DWDM 1532.68 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-34.25	3.6.7	10GBASE-DWDM 1534.25 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-35.04	3.6.7	10GBASE-DWDM 1535.04 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-35.82	3.6.7	10GBASE-DWDM 1535.82 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-36.61	3.6.7	10GBASE-DWDM 1536.61 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-38.19	3.6.7	10GBASE-DWDM 1538.19 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-38.98	3.6.7	10GBASE-DWDM 1538.98 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-39.77	3.6.7	10GBASE-DWDM 1539.77 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-40.56	3.6.7	10GBASE-DWDM 1540.56 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-42.14	3.6.7	10GBASE-DWDM 1542.14 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-42.94	3.6.7	10GBASE-DWDM 1542.94 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-43.73	3.6.7	10GBASE-DWDM 1543.73 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-44.53	3.6.7	10GBASE-DWDM 1544.53 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-46.12	3.6.7	10GBASE-DWDM 1546.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-46.92	3.6.7	10GBASE-DWDM 1546.92 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-47.72	3.6.7	10GBASE-DWDM 1547.72 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-48.51	3.6.7	10GBASE-DWDM 1548.51 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-50.12	3.6.7	10GBASE-DWDM 1550.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-50.92	3.6.7	10GBASE-DWDM 1550.92 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-51.72	3.6.7	10GBASE-DWDM 1551.72 nm XENPAK (100-GHz ITU grid)

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-XENPAK-52.52	3.6.7	10GBASE-DWDM 1552.52 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-54.13	3.6.7	10GBASE-DWDM 1554.13 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-54.94	3.6.7	10GBASE-DWDM 1554.94 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-55.75	3.6.7	10GBASE-DWDM 1555.75 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-56.55	3.6.7	10GBASE-DWDM 1556.55 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-58.17	3.6.7	10GBASE-DWDM 1558.17 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-58.98	3.6.7	10GBASE-DWDM 1558.98 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-59.79	3.6.7	10GBASE-DWDM 1559.79 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-60.61	3.6.7	10GBASE-DWDM 1560.61 nm XENPAK (100-GHz ITU grid)
DWDM-XFP-30.33	3.6.7 ¹	10GBASE-DWDM 1530.33 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.12	3.6.7 ²	10GBASE-DWDM 1531.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.90	3.6.7 ³	10GBASE-DWDM 1531.90 nm XFP (100-GHz ITU grid)
DWDM-XFP-32.68	3.6.7 ⁴	10GBASE-DWDM 1532.68 nm XFP (100-GHz ITU grid)
DWDM-XFP-34.25	3.6.7 ⁵	10GBASE-DWDM 1534.25 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.04	3.6.7 ⁶	10GBASE-DWDM 1535.04 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.82	3.6.7 ⁷	10GBASE-DWDM 1535.82 nm XFP (100-GHz ITU grid)
DWDM-XFP-36.61	3.6.7 ⁸	10GBASE-DWDM 1536.61 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.19	3.6.7 ⁹	10GBASE-DWDM 1538.19 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.98	3.6.7 ¹⁰	10GBASE-DWDM 1538.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-39.77	3.6.7 ¹¹	10GBASE-DWDM 1539.77 nm XFP (100-GHz ITU grid)

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-XFP-40.56	3.6.7 ¹²	10GBASE-DWDM 1540.56 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.14	3.6.7 ¹³	10GBASE-DWDM 1542.14 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.94	3.6.7 ¹⁴	10GBASE-DWDM 1542.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-43.73	3.6.7 ¹⁵	10GBASE-DWDM 1543.73 nm XFP (100-GHz ITU grid)
DWDM-XFP-44.53	3.6.7 ¹⁶	10GBASE-DWDM 1544.53 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.12	3.6.7 ¹⁷	10GBASE-DWDM 1546.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.92	3.6.7 ¹⁸	10GBASE-DWDM 1546.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-47.72	3.6.7 ¹⁹	10GBASE-DWDM 1547.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-48.51	3.6.7 ²⁰	10GBASE-DWDM 1548.51 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.12	3.6.7 ²¹	10GBASE-DWDM 1550.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.92	3.6.7 ²²	10GBASE-DWDM 1550.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-51.72	3.6.7 ²³	10GBASE-DWDM 1551.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-52.52	3.6.7 ²⁴	10GBASE-DWDM 1552.52 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.13	3.6.7 ²⁵	10GBASE-DWDM 1554.13 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.94	3.6.7 ²⁶	10GBASE-DWDM 1554.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-55.75	3.6.7 ²⁷	10GBASE-DWDM 1555.75 nm XFP (100-GHz ITU grid)
DWDM-XFP-56.55	3.6.7 ²⁸	10GBASE-DWDM 1556.55 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.17	3.6.7 ²⁹	10GBASE-DWDM 1558.17 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.98	3.6.7 ³⁰	10GBASE-DWDM 1558.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-59.79	3.6.7 ³¹	10GBASE-DWDM 1559.79 nm XFP (100-GHz ITU grid)

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-XFP-60.61	3.6.7 ³²	10GBASE-DWDM 1560.61 nm XFP (100-GHz ITU grid)
DWDM-XFP-C	3.7.2	Tunable DWDM XFP
FAN-MOD-3SHS	3.7	Spare High-speed fan module for Cisco 7603-S Chassis
FAN-MOD-4HS†	3.7	High-speed fan module
FAN-MOD-6HS†††††	3.7	High Speed Fan Module for CISCO7606 Chassis
FAN-MOD-6SHS†††††	3.7	High Speed Fan Module for CISCO7606-S Chassis
FAN-MOD-9	3.7	High-speed fan module
FAN-MOD-9SHS	3.6.4	High-speed fan module
GLC-BX-D	3.6.6	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-BX-U	3.6.6	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
GLC-GE-100FX	3.7.1.1.0	Cisco 100Base-FX SFP Module, LC Connector
GLC-LH-SM	3.6.4	Short Wave fiber Gigabit Ethernet
GLC-SX-MM	3.7	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength
GLC-T	3.6.7	1000Base-T SFP Transceiver module for Category 5 copper wire
GLC-ZX-SM	3.6.7	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength
MSFC4	3.6.2	Multilayer Switch Feature Card
ONS-SC-155-EL	3.7.2	STM-1E
OSM-12CT3T1	3.6.0	12-port channelized/unchannelized CT3-T1
OSM-1CHOC12T3-SI	3.6.0	1-port channelized OC-12, SM-IR
OSM-1OC48-POS-SI+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-IR
OSM-1OC48-POS-SL+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-LR
OSM-1OC48-POS-SS+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-SR
OSM-2+4GE-WAN+	3.6.0	4-port Gigabit Ethernet WAN (GBIC) with two Layer 2 LAN ports; CEF256
OSM-2OC12-ATM-MM+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, MM
OSM-2OC12-ATM-SI+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, SM-IR
OSM-2OC12-POS-SI+	3.6.0	Enhanced 2-port OC-12c/STM-4c POS, SM-IR; CEF256

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
OSM-4OC12-POS-SI+	3.6.0	Enhanced 4-port OC-12c/STM-4c POS, SM-IR; CEF256
OSM-4OC3-POS-SI+	3.6.0	Enhanced 4-port OC-3c/STM-1c POS, SM-IR;
PA-1FE-TX, -FX	3.6.0	1-port Fast Ethernet port adapter
PA-2CE/PRI	3.6.1	Not Found
PA-2FE-TX, -FX	3.6.0	2-port Fast Ethernet port adapter
PA-4T+	3.6.0	T1/E1 port adapters
PA-A3-E3	3.6.0	ATM with traffic shaping port adapters
PA-A3-T3	3.6.0	ATM with traffic shaping port adapters
PA-MC-2E1/120	3.6.1	2 port multichannel E1 port adapter with G.703 120ohm interf
PA-MC-4T1	3.6.0	T1/E1 port adapters
PA-MC-8T1	3.6.0	T1/E1 port adapters
PA-MC-8TE1	3.6.1	8 port multichannel T1/E1 8PRI port adapter
PA-MC-STM-1	3.6.0	Multichannel STM-1 port adapters
PA-POS-2OC3	3.6.0	2-port POS OC3c/STM1 port adapter
PFC-3C	3.6.2	Policy Feature Card 3C
PFC-3CXL	3.6.1	Policy Feature Card 3Cxl (PFC3CXL)
PWR-1900-DC	3.7	1900W DC power supply for CISCO7606
PWR-2700-AC	3.6.3	2700W DC power supply
PWR-2700-DC	3.6.2	2700W DC power supply for CISCO7606
PWR-2700-DC/4	3.6.2	2700W DC Power Supply for Cisco 7604
PWR-4500-DC	3.7	7606-S 4500W DC power supply
PWR-6000-DC	3.6.4	6000W DC Power Supply
RSP720-3C-10GE	3.7	Cisco 7600 Series RSP 720-10GE with 10 Gigabit Ethernet Uplinks that includes PFC-3C and Multilayer Switch Feature Card (MSFC4)
RSP720-3C-GE	3.6.1	Route Switch Processor 720 with PFC3C
RSP720-3CXL	3.6.4	Catalyst 6500 Supervisor Module 720 base board
RSP720-3CXL-10GE	3.7	Cisco 7600 Series RSP 720-10GE with 10 Gigabit Ethernet Uplinks that includes PFC-3CXL and Multilayer Switch Feature Card (MSFC4)
RSP720-3CXL-GE	3.6.1	Cisco 7600 Route Switch Processor 72Gbps fabric, PFC3CXL, GE
SFP-GE-L	3.6.4	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.6.6	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-T	3.6.6	1000BASE-T copper gigabit ethernet SFP.

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SFP-GE-Z	3.6.6	1000BASE-Zx Extended reach gigabit ethernet SFP.
SFP-OC12-IR1	3.6.6	OC-12/STM-4 pluggable intermediate-reach (15 km) transceiver module, 1310-nm wavelength
SFP-OC12-LR1	3.6.6	OC-12/STM-4 pluggable long-reach (40 km) transceiver module, 1310-nm†wavelength, LC connector
SFP-OC12-LR2	3.6.6	OC-12/STM-4 pluggable long-reach (80 km) transceiver module, 1550-nm†wavelength, LC connector
SFP-OC12-MM	3.6.6	OC-12/STM-4 pluggable short-reach (2 km) transceiver module, 1310-nm†wavelength, MMF, LC connector
SFP-OC12-SR	3.6.6	OC-12/STM-4 pluggable short-reach (2 km) transceiver module, 1310-nm†wavelength, LC connector
SFP-OC3-IR1	3.6.0	Intermediate range, single-mode fiber
SFP-OC3-LR1	3.6.0	Long range, single-mode fiber
SFP-OC3-LR2	3.6.7	OC-3/STM-1 pluggable long-reach (80 km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC3-MM	3.6.0	Short range, multimode†fiber
SFP-OC3-SR	3.6.1	OC3/STM1 SFP, Single-mode fiber, Short Reach
SFP-OC48-IR1	3.6.7	OC-48c/STM-16c
SPA-10X1GE	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-10X1GE-V2	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1CHOC3-CE-ATM	3.6.2	1-Port Channelized STM-1/OC-3 Shared Port Adapters
SPA-1X10GE-L-V2	3.7.1.1.0	Cisco 1-Port 10GE LAN-PHY Shared Port Adapter
SPA-1XCHOC12/DS0	3.6.6	1-Port Channelized OC-12/STM-4 Shared Port Adapter
SPA-1XCHSTM1/OC3	3.6.0	1-port Channelized STM1/OC3 to DS0 SPA
SPA-1XOC12-ATM	3.6.0	1-Port OC-12c/STM-4c ATM SPA
SPA-1XOC12-ATM-V2	3.7.1.1.0	1-port OC12c SFP Optics ATM Shared Port Adapter
SPA-1XOC12-POS	3.6.0	1-port OC-12c/STM-4c POS SPA
SPA-1XOC3-ATM-V2	3.7.1.1.0	1-port OC3c SFP Optics ATM Shared Port Adapter
SPA-1XOC48-ATM	3.6.0	1 port OC-48c/STM-16 ATM SPA
SPA-1XOC48POS/RPR	3.6.7	1 port OC-48c/STM-16 POS/RPR SPA
SPA-1XTENGE-XFP	3.6.0	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-24CHT1-CE-ATM	3.6.0	24-Port Channelized T1/E1/J1 ATM CEoP SPA
SPA-2X1GE	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2X1GE-SYNCE	3.7	2-port Synchronous Gigabit Ethernet Shared Port Adapter
SPA-2X1GE-V2	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2XCT3/DS0	3.6.0	2-port Channelized T3 to DS0 SPA
SPA-2XOC3-ATM	3.6.0	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC3-POS	3.6.0	2-port OC-3c/STM-1c POS SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-2XOC48POSRPR	3.6.0	2 port OC-48 POS/RPR SPA with SFP Optics
SPA-2XT3/E3	3.6.0	2-port Clear Channel T3/E3 SPA
SPA-3XOC3-ATM-V2	3.7.1.1.0	3-port OC3c SFP Optics ATM Shared Port Adapter
SPA-4X1FE-TX-V2	3.6.0	4-port 10/100 Ethernet SPA TX
SPA-4XCT3/DS0	3.6.0	4-port Channelized T3 to DS0 SPA
SPA-4XOC3-ATM	3.6.0	4-port OC-3c/STM-1c ATM SPA
SPA-4XOC3-POS	3.6.0	4-port OC-3c/STM-1c POS SPA
SPA-4XOC48POSRPR	3.6.0	4-port OC-48c/STM-16 POS/DPT/RPR SPA
SPA-4XT3/E3	3.6.0	4-port Clear Channel T3/E3 SPA
SPA-5X1GE	3.6.0	5-port Gigabit Ethernet SPA, SFP Optics
SPA-5X1GE-V2	3.6.2	5-Port Gigabit Ethernet Shared Port Adapter
SPA-8X1FE-TX-V2	3.6.0	8-port 10/100 Ethernet SPA TX
SPA-8XCHT1/E1	3.6.0	8-Port Channelized T1/E1 SPA
SPA-IPSEC-2G	3.6.7	IPsec SPA with 2Gbps DES/3DES/AES
SPA-OC192POS-LR	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, SM-LR
SPA-OC192POS-XFP	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, XFP Optics
WS-C6509-E-FAN	3.6.0	High-capacity fan tray
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-C6K-13SLOT-FAN	3.7	Cisco 7613 fan tray, spare
WS-C6K-VTT-E	3.7	Cisco 6500 VTT Module
WS-CAC-3000W	3.6.4	Catalyst 6500 3000W AC power supply
WS-CAC-4000W-INT	3.6.4	4000W AC PowerSupply, International (cable included)
WS-CAC-4000W-US	3.6.4	4000Watt AC Power Supply for US (cable attached)
WS-CAC-6000W	3.6.0	Cat6500 6000W AC Power Supply
WS-CDC-2500W	3.6.4	Catalyst 6000 2500W DC Power Supply

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-F6700-CFC	3.6.0	Catalyst 6500 Central Fwd Card for WS-X67xx modules
WS-F6700-DFC3A	3.6.1	Distributed Forwarding Card 3
WS-F6700-DFC3B	3.6.1	Catalyst 6500 Distributed forwarding card 3B
WS-F6700-DFC3BXL	3.6.0	Distributed Forwarding Card 3BXL (DFC3BXL) for use on CEF720 modules
WS-F6700-DFC3C	3.6.0	Distributed Forwarding Card 3C (DFC3C) for use on CEF720 modules
WS-F6700-DFC3CXL	3.6.0	Distributed Forwarding Card 3CXL (DFC3CXL) for use on CEF720 modules
WS-F6K-FE48X2-AF	3.6.0	IEEE 802.3af PoE daughtercard
WS-F6K-GE48-AF	3.6.0	IEEE 802.3af PoE daughtercard
WS-F6K-MSFC2	3.6.1	Multilevel Switching Feature Card Version 2 for Catalyst 6000 that is treated as a standalone system by the NMS
WS-F6K-PFC2	3.6.1	Catalyst 6500 L3 switching engine II
WS-F6K-PFC3B†††††	3.7	Policy Feature Card-3B
WS-F6K-PFC3BXL	3.6.0	Policy Feature Card 3BXL (PFC3BXL)
WS-F6K-PFC3CXL	3.6.0	Policy Feature Card 3CXL (PFC3CXL)
WS-F6K-VPWR	3.6.0	PoE Daughtercard
WS-F6K-VPWR-GE	3.6.0	PoE Daughtercard
WS-G6483	3.6.0	10GBASE-ER serial 1550 nm extended-reach OIM
WS-G6488	3.6.0	10GBASE-LR serial 1310 nm long-reach OIM
WS-SUP32-10GE-3B	3.6.0	Supervisor Engine 32
WS-SUP32-GE-3B	3.6.0	Supervisor Engine 32
WS-SUP720-3B	3.6.0	Supervisor Engine 720 with PFC3B
WS-SUP720-3BXL	3.6.0	Supervisor Engine 720 with PFC3BXL
WS-SVC-ADM-1-K9	3.6.3	Catalyst 6500 Cisco Anomaly Detection Module
WS-SVC-AGM-1-K9	3.6.3	Catalyst 6500 Cisco Anomaly Guard Module
WS-SVC-FWM-1-K9	3.6.0	Firewall blade for 6500 and 7600, VFW License Separate
WS-SVC-IDS2-BUN-K9	3.6.1	Cisco Catalyst 6500 Series Intrusion Detection System (IDS2) Service Module
WS-SVC-IDSUPG	3.7	IDS 2 accelerator board
WS-SVC-MWAM-1	3.6.0	Multi-Processor WAN Application Module
WS-SVC-NAM-1	3.6.0	Network Analysis module 1
WS-SVC-NAM-2	3.6.0	Network Analysis module 2

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-X6148A-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148A-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148FE-SFP	3.6.1	Catalyst 6500 48 port 100Base-X SFP module
WS-X6148-FE-SFP	3.6.0	48 port 100BASE-FX Fast Ethernet Switching Module
WS-X6148-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6148-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148X2-RJ-45	3.6.0	96 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6196-RJ-21	3.6.0	96 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6248A-TEL	3.6.0	48 port 10/100TX RJ-21 Enhanced Ethernet/Fast Ethernet Switching Module
WS-X6248-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6248-TEL	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6316-GE-TX	3.6.0	16-port Gigabit Ethernet RJ-45
WS-X6324-100FX-SM	3.6.0	24 port 100FX SingleMode Fast Ethernet Switching Module
WS-X6348-RJ-21	3.6.0	6500 48 port 10/100BaseTX (RJ-21)
WS-X6348-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6408A-GBIC	3.6.0	8-port Gigabit Ethernet GBIC Enhanced QoS Module
WS-X6408-GBIC	3.6.0	8-port Gigabit Ethernet GBIC
WS-X6416-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6502-10GE	3.6.0	1-port 10-Gigabit Ethernet
WS-X6516A-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GE-TX	3.6.0	16 port 10/100/1000 Base-T Ethernet Switching Module
WS-X6548-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-X6548-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6548-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6582-2PA	3.6.0	Enhanced FlexWAN Module;
WS-X6700-CFC	3.6.0	Centralized Forwarding Card
WS-X6704-10GE	3.6.0	4-port 10-Gigabit Ethernet
WS-X6708-10GE	3.6.7	CEF720 8 port 10GE with DFC Rev. 1.4
WS-X6724-SFP	3.6.0	24-port Gigabit Ethernet SFP
WS-X6748-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6748-SFP	3.6.0	48-port Gigabit Ethernet SFP
WS-X6816-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6K-S1A-MSFC2	3.6.1	Catalyst 6000 Supervisor Engine 1A, 2 Gigabit Ethernet, plus MSFC2 and policy feature card (PFC)
WS-X6K-S2-MSFC2	3.6.1	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 / PFC-2
WS-X6K-SUP2-2GE	3.6.1	Supervisor 2 with 2 Gigabit Ethernet ports
X2-10GB-CX4	3.7.1	X2 GE SR transceiver for RSP720-10GE
X2-10GB-ER	3.7.1	X2 GE LR transceiver for RSP720-10GE
X2-10GB-LR	3.7.1	X2 GE LX4 transceiver for RSP720-10GE
X2-10GB-LX4	3.7.1	X2 GE ER transceiver for RSP720-10GE
X2-10GB-SR	3.7.1	X2 GE CX4 transceiver for RSP720-10GE
XENPAK-10GB-CX4	3.7	10GBASE-CX4 XENPAK transceiver module for CX4 cable, copper, InfiniBand 4X connector
XENPAK-10GB-ER	3.6.0	10GBASE-ER Serial 1550-nm extended-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)
XENPAK-10GB-ER+	3.6.7	10GBase-ER transceiver module for SMF, 1550-nm wavelength ,duplex connector
XENPAK-10GB-LR	3.6.7	10GBase-LR-XENPAK Module
XENPAK-10GB-LR+	3.6.1	10GBASE-LR XENPAK Module
XENPAK-10GB-LW†	3.7	Cisco 10GBASE-LW XENPAK Module for SMF
XENPAK-10GB-SR	3.6.0	10GBASE-SR Serial 850-nm short-reach multimode fiber (MMF)
XFP-10GER-192IR+	3.6.6	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
XFP-10GLR-OC192SR	3.6.4	OC192 XFP Single Mode Long Reach 2 (80km)
XFP-10G-MM-SR	3.7.2	10GBASE-SR
XFP-10GZR-OC192LR	3.6.6	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
CISCO-SFP-T3-GE	ANA-3.7.2-DP1	Cisco SFP Ethernet to T3 Remote Bridge
ACE30-MOD-K9	ANA-DP1	Cisco Application Control Engine (ACE30) Module
DWDM-GBIC-30.33	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-31.12	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-31.90	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-32.68	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-34.25	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-35.04	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-35.82	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-36.61	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-38.19	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-39.98	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-39.77	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-40.56	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-42.14	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-42.94	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-43.73	ANA-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-GBIC-44.53	ANA-DP 2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-46.12	ANA-DP 2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-46.92	ANA-DP 2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-47.72	ANA-DP 2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-48.51	ANA-DP 2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-50.12	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-50.92	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-51.72	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-52.52	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-54.13	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-54.94	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-55.75	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-56.55	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-58.17	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-58.98	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-59.79	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
DWDM-GBIC-60.61	ANA-3.7.2-DP2	Cisco Dense Wavelength-Division Multiplexing Gigabit Interface Converters
GLC-LH-SMD	ANA-3.7.2-DP2	Long wavelength gigabit Ethernet SFP
GLC-SX-MMD	ANA-3.7.2-DP2	Short wavelength gigabit Ethernet SFP
SFP-OC48-LR2	ANA-3.7.3-DP6	OC-48c/STM-16 pluggable long-reach (80 km) transceiver module, 1550-nm wavelength, LC connector

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SFP-OC48-SR	ANA-3.7.3-DP6	OC-48c/STM-16 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, LC connector
GLC-ZX-SMD	ANA-3.7.3-DP8 ³³	GE ZX
WS-IPSEC-3	ANA-3.7.3-DP8	IPSec Shared Port Adapter with 5 Gbps DES/3DES/AES
WS-SSC-600	ANA-3.7.3-DP8	Cisco 7600 / Catalyst 6500 Services SPA Carrier Card-600 Rev. 1.0
7600-ES+ITU-2TG-LK	Cisco-ANA-3.7.x-DP12, Cisco-ANA-3.8-DP3	7600-ES+ITU-2TG-LK 7600 ES+ 2x10GE XFP ITU Rev. 1.0
ACE20-MOD-K9	Cisco-ANA-3.7.x-DP12, Cisco-ANA-3.8-DP3	ACE20-MOD-K9 1 ports Application Control Engine Module Rev. 2.5
WS-SVC-NAM-2-250S	Cisco-ANA-3.7.x-DP12, Cisco-ANA-3.8-DP3	WS-SVC-NAM-2-250S 8 ports Network Analysis Module Rev. 1.2
76-ES+XT-2TG3CXL	Cisco-ANA-3.7.x-DP12, Cisco-ANA-3.8-DP3	76-ES+XT-2TG3CXL 2 ports 7600 ES+ Rev. 1.1
WS-SVC-SAMI-BB-K9	PrimeNetwork-3.8.X-DP7	WS-SVC-SAMI-BB-K9 7 ports SAMI Module Rev. 2.6
WS-X6716-10GE	PrimeNetwork-3.8.X-DP7	WS-X6716-10GE CEF720 16 port 10GE Rev. 1.0
76-ES+T+XC-20G3C	PrimeNetwork-3.8.X-DP7	76-ES+T+XC-20G3C 11 ports 7600 ES+T Rev. 1.0

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
76-ES+T+XC-20G3C	PrimeNet work-3.8.X-DP7	76-ES+T+XC-20G3C ES+T 1xTGE XFP 10xGE SFP Rev. 1.
76-ES+T+XC-40G3C	PrimeNet work-3.8.X-DP7	76-ES+T+XC-40G3C
SPA-4XT-SERIAL	Cisco-ANA-3.7.x-DP20, PrimeNet work-3.8.xTo3.9.x-DP1210	4-port Serial Shared Port Adapter
76-ES+T-8TG	Cisco-ANA-3.7.x-DP20, PrimeNet work-3.8.xTo3.9.x-DP1210	76-ES+T-8TG 8 ports 7600 ES+T Rev. 1.2
76-ES+T-8TG	Cisco-ANA-3.7.x-DP20, PrimeNet work-3.8.xTo3.9.x-DP1210	76-ES+T-8TG 7600 ES+T 8x10GE SFP+ Rev. 1.4
SPA-8XOC3-POS	Cisco-ANA-3.7.x-DP20, PrimeNet work-3.8.xTo3.9.x-DP1210	SPA-8XOC3-POS
SPA-2XOC12-POS	Cisco-ANA-3.7.x-DP20, PrimeNet work-3.8.xTo3.9.x-DP1210	SPA-2XOC12-POS

Table 11-56 Supported Modules for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-4XOC3-POS-V2	Cisco-ANA-3.7.x-DP20, PrimeNetwork-3.8.xTo3.9.x-DP1210	4-port OC3/STM1 POS Shared Port Adapter
SPA-4XOC12-POS	Cisco-ANA-3.7.x-DP20, PrimeNetwork-3.8.xTo3.9.x-DP1210	4-port OC12/STM4 POS Shared Port Adapter
ES+XT-8TG3CXLQ	PrimeNetwork 3.10.xTo3.11.x DP1310, CiscoPrimeNetwork-4.0-DP1310	7600 ES+T High queue 8x 10GE, DFC3CXL

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 Support Verified against XC Combo Cards in Prime Network 3.7

³³Tested using 15.2 Nightly build (RLS 11)

Cisco 7600 Series—Supported Technologies

The following technologies are supported by the Cisco 7600 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [Frame Relay](#), page 11-322
- [PPP](#), page 11-323
- [HDLC](#), page 11-325
- [SONET/SDH](#), page 11-325
- [TDM/DSx](#), page 11-326
- [MPLS](#), page 11-330
- [MPLS-TE](#), page 11-334

- [MPLS-TP, page 11-336](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)
- [AccessGatewayService, page 11-370](#)
- [6PE, page 11-371](#)
- [6rd, page 11-371](#)
- [MLACP, page 11-372](#)
- [QoS, page 11-387](#)
- [RLFA, page 11-461](#)

Cisco 7600 Series—Supported Service Events

Table 11-57 Supported Service Events for Cisco 7600 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Link Down Due to Oper	3.6.0	Y
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Discard Packets	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Up	3.8	N
Fan-Tray Out	3.8	N
Primary HSRP Interface Is Active	3.6.0	N

Table 11-57 Supported Service Events for Cisco 7600 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Secondary HSRP Interface Is Active	3.6.0	N
Secondary HSRP Interface Is Not Active	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Layer 2 Tunnel Up	3.6.0	N
LDP Neighbor Down	3.6.0	N
LDP Neighbor Up	3.6.0	N
Link Up	3.6.0	N
MPLS Black Hole Found	3.6.0	N
MPLS TP Bandwidth Mismatch	3.8	N
MPLS Interface Removed	3.6.0	Y
Port Down Due to Admin	3.8	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N
VSI Admin Down	3.6.7	N
MPLS-TE LSP Down	3.8	N
P2MP MPLS-TE LSP Down	3.8	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco 10000 Series Routers

This section includes the following information about Cisco 10000 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 10000 Series Routers](#)):

This section contains the following topics:

- [Cisco 10000 Series—Supported Software Versions, page 11-79](#)
- [Cisco 10000 Series—Supported Topologies, page 11-80](#)

- [Cisco 10000 Series—Supported Modules, page 11-80](#)
- [Cisco 10000 Series—Supported Technologies, page 11-81](#)
- [Cisco 10000 Series—Supported Service Events, page 11-81](#)

Cisco 10000 Series—Supported Software Versions

Table 11-58 Supported Software Versions for Cisco 10000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.0(20)	3.6.1 ¹
IOS 12.0(22)S5	3.5.2 ²
IOS 12.0(23)S	3.5.2 ³
IOS 12.0(23)S2	3.6.1 ⁴
IOS 12.1(10)E	3.5.2 ⁵
IOS 12.2(18.2)	3.5.2 ⁶
IOS 12.2(24)S	3.6.1 ⁷
IOS 12.2(24)S4	3.6.1 ⁸
IOS 12.2(28)SB3	3.6.2 ⁹
IOS 12.2(31)SB	3.6.1 ¹⁰
IOS 12.2(33)SB1	3.6.7 ¹¹
IOS 12.3(7)XI7	3.6.1 ¹²
IOS 12.2(33)SB8	3.7.1 ¹³
IOS 12.2(33)XNE	3.7.1 ¹⁴
IOS 15.0.(1)S1	3.7.1.0.4 ¹⁵
IOS 15.0.(1)S	3.7.1.0.4 ¹⁶
IOS 12.2(31)SB18	3.7.2-DP-1.0
IOS 12.2(31)SB19	3.7.2-DP-1.0
IOS 12.2(33)XNE3	3.7.2-DP-1.0
IOS 12.2(33)SB9	3.7.2-DP-1.0
IOS 15.0(1)S2	3.7.2-DP-1.0
IOS 15.0(1)S3a	3.7.2-DP-3.0
IOS 12.2(33)SB10	3.7.X-DP-4.0
IOS 12.2(31)SB20	3.7.X-DP-6.0
IOS 15.0(1)S4	3.7.X-DP-6.0

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16}Prime Network models pluggable ports for this IOS version.

¹³Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco 10000 Series—Supported Topologies

Table 11-59 Supported Topologies for Cisco 10000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
MLPPP	MLPPP	3.7.1
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.1
PPP/HDLC	PPP or HDLC	3.6.1
VPN (IPv6)	VPN	3.7.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 10000 Series—Supported Modules

Table 11-60 Supported Modules for Cisco 10000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
10000-SIP-600	3.7.1	Cisco 10000 SPA Interface Processor-600
ESR-1COC12-SMI	3.6.1	Cisco 10K 1 port channelized OC12
ESR-1GE	3.6.0	1-port Gigabit Ethernet
ESR-1OC-12/P-SMI	3.6.0	1-port OC-12/STS-12c/STM-4 OS/SDH, single mode, intermediate reach
ESR-1OC-12-ATM	3.7.1	1-port OC-12 ATM
ESR-24CT1/E1	3.6.0	24-port channelized E1/T1
ESR-4OC3-ATM-SM	3.6.0	4-port OC-3/STM-1 ATM, single mode
ESR-4OC3-CHSTM1	3.6.7	Four-port channelized STM-1/OC-3 SDH single mode line card
ESR-6CT3	3.6.0	6-port channelized T3
ESR-6OC3/P-SMI	3.6.0	6-port OC-3c/STS-3c/STM-1 POS/SDH, single mode, intermediate reach
ESR-8E3/DS3	3.7.1	8 port clear channel E3/DS3 Line Card
ESR-8E3DS3-ATM	3.6.7	8 Port Channelized E3/DS3 ATM line card
ESR-HH-1GE	3.6.0	1-port Gigabit Ethernet half-height
ESR-HH-4CT3	3.6.7	4 Port Channelized T3 Half-Height Line Card
ESR-HH-8FE-TX	3.6.0	8-port Fast Ethernet half-height
ESR-PRE1	3.6.1	Cisco 10K Performance Routing Engine-1
ESR-PRE2	3.6.1	Cisco 10K Performance Routing Engine-2
ESR-PRE3	3.6.1	Cisco 10K Performance Routing Engine-3
SPA-1XCHOC12/DSO†††	3.7	1 port channelized OC12 to DS0 Shared Port Adapter

Table 11-60 Supported Modules for Cisco 10000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-2XCHOC12/DSO†††	3.7	2 port channelized OC12 to DS0 Shared Port Adapter

Cisco 10000 Series—Supported Technologies

The following technologies are supported by the Cisco 10000 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [6PE, page 11-371](#)

Cisco 10000 Series—Supported Service Events

Table 11-61 Supported Service Events for Cisco 10000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Active IP Interfaces Found		Y
All IP Interfaces Down		Y

Table 11-61 Supported Service Events for Cisco 10000 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
BGP process down		N
Card Down		Y
Card Up		Y
CPU utilization exceeded upper threshold		N
Device Managed		N
Device Unsupported		Y
DS0 Bundle Admin down		N
DS0 Bundle Oper down		N
DS0 Bundle Up		N
DS1 Path down due to Admin		N
DS1 Path down due to Card		N
DS1 Path down due to Oper		N
DS1 Path link down due to Admin down		N
DS1 Path link down due to Oper down		N
DS1 Path link Up		N
Layer 2 Tunnel Down		N
Link up		N
Memory utilization exceeded upper threshold		N
MLPPP Administratively down		N
MLPPP Operationally down		N
MLPPP Up		N
Module Unsupported		Y
MPLS Black Hole found		N
pluggable transceiver in		N
Pluggable transceiver out		N
Port down due to admin		N
port up		N
Rx utilization exceeded upper threshold		N
SONET Path down due to Admin		N
Sonet Path link down due to Admin down		N
SONET Path Link down due to Card event		N

Table 11-61 Supported Service Events for Cisco 10000 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
SONET Path up		N
Tx utilization is below lower threshold		N

Cisco 12000 Series Routers

This section includes the following information about Cisco 12000 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 12000 Series Routers](#)):

This section contains the following topics:

- [Cisco 12000 Series—Supported Software Versions](#), page 11-83
- [Cisco 12000 Series—Supported Topologies](#), page 11-84
- [Cisco 12000 Series—Supported Modules](#), page 11-85
- [Cisco 12000 Series—Supported Technologies](#), page 11-91
- [Cisco 12000 Series—Supported Service Events](#), page 11-92

Cisco 12000 Series—Supported Software Versions

Table 11-62 Supported Software Versions for Cisco 12000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.0(23)S3	3.6.0 ¹
IOS 12.0(26)S	3.6.0 ²
IOS 12.0(26)S1	3.6.0 ³
IOS 12.0(26)S2	3.6.0 ⁴
IOS 12.0(26)S3	3.6.0 ⁵
IOS 12.0(26)S4	3.6.0 ⁶
IOS 12.0(26)S5	3.6.0 ⁷
IOS 12.0(26)S6	3.6.0 ⁸
IOS 12.0(27)	3.6.0 ⁹
IOS 12.0(28)	3.6.0 ¹⁰
IOS 12.0(30)	3.6.0 ¹¹
IOS 12.0(31)S	3.6.0 ¹²
IOS 12.0(31)S3	3.6.0 ¹³
IOS 12.0(31)	3.6.0 ¹⁴
IOS 12.0(32)	3.6.0 ¹⁵

Table 11-62 Supported Software Versions for Cisco 12000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.0(32)S10	3.6.3 ¹⁶
IOS 12.0(32)SY	3.6.0 ¹⁷
IOS 12.0(32)SY2	3.6.0 ¹⁸
IOS 12.0(32)SY3	3.6.2 ¹⁹
IOS 12.0(32)SY4	3.6.7 ²⁰
IOS 12.0(32)SY5	3.6.3 ²¹
IOS 12.0(32)SY9	3.7 ²²
IOS 12.0(33)S	3.6.3 ²³
IOS 12.0(33)S1	3.6.7 ²⁴
IOS 12.0(33)S6	3.7.1
IOS 12.0(32)S5	3.7.1
IOS 12.0(32)SY6b	3.7.1
IOS 12.0(32)SY12	3.7.2-DP-1.0
IOS 12.0(32)SY13	3.7.X-DP-6.0
IOS 12.0(33)S8	3.7.X-DP-6.0

1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 15, 18, 19, 20, 21, 22, 24 Prime Network models pluggable ports for this IOS version.

9, 10, 11, 14, 16, 17, 23 Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco 12000 Series—Supported Topologies

Table 11-63 Supported Topologies for Cisco 12000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
MLPPP	MLPPP	3.7.1
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.5
PPP/HDLC	PPP or HDLC	3.6.0
VPN (IPv6)	VPN	3.7.1
VPN (VRF)	VPN	3.6.0

Table 11-63 Supported Topologies for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	4.2

Cisco 12000 Series—Supported Modules

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
12000/16-AC-PEM	3.6.3	Cisco 12000 16-slot Enhanced AC PEM
12000/16-AC-PEM	3.6.4	GSR16 AC POWER SUPPLY
12000/16-AC-PEM	3.6.4	Cisco 12000 16-slot Enhanced AC PEM
12000/16-AC-PEM	3.6.4	Cisco 12000 16-slot Enhanced DC PEM
12000/16-DC-PEM	3.6.3	Cisco 12000 16-slot Enhanced DC PEM
12000/4-BLOWER	3.6.2	GSR 12404 Fan tray - cevFan12404FanTray7
12000/4-DC-PEM	3.6.4	Cisco 12000 4-slot DC PEM
12000/6-AC-PEM	3.6.4	Cisco 12000 6-slot Enhanced AC PEM
12000/6-DC-PEM	3.6.4	Cisco 12000 6-slot Enhanced DC PEM
12000-SIP-401	3.6.0	Cisco 12000 Series SPA Interface Processor-401
12000-SIP-501	3.6.1	Cisco 12000 Series SPA Interface Processor-501
12000-SIP-600	3.6.1	Cisco 12000 Series SPA Interface Processor-600
12000-SIP-601	3.6.1	Cisco 12000 Series SPA Interface Processor-601
12004E/20	3.6.3	Cisco 12004/12404 Enhanced Collapsed Fabric/Alarm card
12404E/80	3.6.3	GSR 12404 Enhanced Clock Scheduler Card
12810-CSC	3.6.7	12810 Clock Scheduler Card
12DS3-SMB	3.6.0	12 Port Copper DS3 Interface Line Card
16OC3X/POS-M-MJ-B	3.6.1	GSR16-Port OC3/POS MM/I Eng3 Release B
16-OC3X/POS-IR-LC	3.6.0	16-Port Packet-Over-SONET OC-3/STM-1 with Extended Feature Set Line Card (concatenated)
16OC3X/POS-IR-LC-B.	3.6.1	GSR 16-Port OC3/POS MM/I Eng3 Release B
1X10GE-ER-SC	3.6.1	1 Port 10Giga Ethernet Line Card
1X10GE-LR-SC	3.6.1	1 Port 10Giga Ethernet Line Card
3GE-GBIC-SC	3.6.0	4 Port Gigabit Ethernet Line Card (trident)
4GE-SFP-LC	3.6.1	4 port-GE line card for Cisco 12000
4OC12/POS-IR-SC-B	3.6.0	Enhanced 4 port OC-12 Intermediate Reach Line Card

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
4OC12X/ATM-IR-SC	3.6.0	GSR Edge Engine 48, ATM, 4 ports OC12/STM4 Single Mode Intermediate Reach Line Card
4OC12X/POS-I-SC-B	3.6.0	4 Port OC12 SM Intermediate Reach POS
4OC12X/POS-M-SC-B	3.6.0	Four-Port OC-12c/STM-4c POS/SDH ISE Line Card, Multi-Mode
4OC3/ATM-IR-SC	3.6.1	4 port OC3/STM1 ATM line MM/IR card
4OC3/ATM-MM-SC	3.6.1	4 port OC3/STM1 ATM line MM/IR card
4OC3X/ATM-IR-SC	3.6.1	4-port OC3/STM1 ATM Single Mode, intermediate reach ISE Line Card with SC connector
4OC3X/POS-IR-LC-B	3.6.1	GSR 4-port OC3/POS IR Eng3 release B
4OC3X/POS-LR-LC-B	3.6.1	GSR 4-port OC3/POS IR Eng3 release B
4OC3X/POS-MM-MJ-B	3.6.1	GSR 4-port OC3/POS IR Eng3 release B
4OC48E/POS-LR-SC	3.6.0	Edge 4 Port OC-48c/STM-16c SONET/SDH LR with SC
4OC48E/POS-SR-SC	3.6.0	Edge 4 Port OC-48c/STM-16c SONET/SDH SR with SC
4XOC48POS/RPR	3.6.1	4-port OC48/STM16 POS/RPR Shared Port Adapter = SPA-4XOC48POS/RPR
6CT3-SMB	3.6.0	6-port Channelized DS3-to-DS1 Line Card, SMB connector
8FE-FX-SC	3.6.0	8-Port Fast Ethernet Line Card
8FE-TX-RJ45	3.6.0	8-Port Fast Ethernet Line Card
8FE-TX-RJ45-B	3.6.1	8-port 100baseTX, RJ45 connector type, version B
8OC3X/POS-IR-LC-B	3.6.1	GSR 8-Port OC3/POS MM/IR Eng3 Release B
8OC3X/POS-MM-MJ-B	3.6.1	GSR 8-Port OC3/POS MM/IR Eng3 Release B
8X1FE-V2	3.6.1	8-port Fast Ethernet Shared Port Adapter V2 = SPA-8X1FE-V2
BUS_BOARD	3.6.1	GSR16 BUS BOARD (16) =
CHOC12/DS1-IR-SC	3.6.0	Cisco 12000 Series 1-Port Channelized OC-12c/STM-4
COPPER-12DS3	3.6.0	12 Port Copper DS3 Interface Line Card
COPPER-6DS3	3.6.0	6 Port Copper DS3 Interface Line Card
CRS-16-ALARM	3.6.1	Cisco CRS-1 Series 16 Slots Alarm Board = CRS-16-ALARM
GSR10-AC-PDU	3.6.0	Cisco 12410 AC Power Distribution Unit (spare)
GSR10-ADVNCDCSC	3.6.1	12010 Advanced Clock Scheduler Card
GSR10-ADVNCDSFC	3.6.1	12010 Advanced Switch Fabric Card
GSR10-ALRM	3.6.1	12410, 12010 Alarm Card

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
GSR10-CSC	3.6.1	12410 Clock Scheduler Card
GSR10-SFC	3.6.1	Cisco 12410 Switch Fabric Card
GSR16/320-CSC	3.6.1	12416 Clock Scheduler Card
GSR16/320-SFC	3.6.1	12416 Switch Fabric Card
GSR16/80-CSC	3.6.1	Cisco 12016 80 Gbps GSR Scheduler/Fabric
GSR16/80-SFC	3.6.1	Cisco 12016 80 GbpsGSR Switch Fabric
GSR16-ALRM	3.6.0	Cisco 12016 GSR Alarm Card
GSR16-BLOWER	3.6.1	Cisco 12016, 12416 Blower
GSR-3GE	3.6.0	3 Port Gigabit Ethernet Line Card (trident)
GSR4/80-AC	3.6.2	GSR 12404 AC Power Supply - cevPowerSupply12404AC
GSR6-ADVNCDCSC	3.6.1	12006 Advanced Clock Scheduler Card
GSR6-ALRM	3.6.1	12406, 12006 Alarm Card
GSR6-BLOWER	3.6.1	12406, 12006 Blower
GSR6-CSC	3.6.1	Cisco 12406 Clock Scheduler Card
GSR6-SFC	3.6.1	Cisco 12406 Switch Fabric Card
GSR8-CSC/ALRM	3.6.1	Cisco 12008 GSR Scheduler/Fabric/Alarm
GSR-8FE-FX	3.6.0	8 port Fast Ethernet card with Fiber Interface
GSR8-SFC	3.6.1	Switch Fabric
GSR-ALARM10	3.6.0	GSR Alarm module
GSR-ALARM16	3.6.0	GSR-Alarm
GSR-ALARM6	3.6.0	GSR Alarm module
GSR-BUS-BOARD16	3.6.0	GSR Bus Board for Power distribution
GSR-CLOCK-OC192	3.6.0	GSR Clock Scheduler
GSR-CSC	3.6.0	GSR Clock Scheduler Card
GSR-CSC12410	3.6.0	GSR 12410 Clock scheduler
GSR-CSC16	3.6.0	Scheduler/Fabric Card
GSR-CSC16-OC192	3.6.0	GSR 12406 Clock Scheduler Card
GSR-CSC16-OC192	3.6.0	GSR 12016 OC192 Clock Scheduler Card
GSR-CSC6	3.6.0	GSR Clock Scheduler
GSR-E48-ATM-4OC12-MM-SR-SC	3.6.0	GSR Edge Engine 48, ATM, 4 port OC12/STM4Multi Mode Short Reach Line Card
GSR-E48-POS-16OC3-SM-IR-LC	3.6.0	16 Port OC3 SM Intermediate Reach POS
GSR-E48-POS-OC48-SM-LR-SC	3.6.0	GSR 12406 Switch Fabric Card

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
GSR-E48-POS-OC48-SM-SR-SC	3.6.0	GSR, Edge Engine 48 Port OC-48 SRP Single Mode Long Reach Line Card
GSR-E48-POS-QOC12-SM-IR-SC	3.6.0	4 Port OC12 SM Intermediate Reach POS
GSR-E-OC192-SM-SR-SC	3.6.0	Enhanced 1 Port OC 192 Short Reach 2 FC Connector Line Card.
GSR-E-QOC48-SM-LR-SC	3.6.0	4 Port Enhanced OC 48 Short Reach SC Connector Line Card
GSR-E-QOC48-SM-SR-SC	3.6.0	4 Port Enhanced OC 48 Short Reach SC Connector Line Card
GSR-GEFE	3.6.0	GSR General Fan
GSR-PA-3GE	3.6.0	GSR 3 port Port Adapter
GSR-RP	3.6.0	GSR RoMman Recovery
GSR-SFC	3.6.0	GSR Switch Fabric Card
GSR-SFC12410	3.6.0	GSR 12410 Switch Fabric Card
GSR-SFC16	3.6.0	Switch Fabric Card
GSR-SFC16-OC192	3.6.0	GSR 12406 Switch Fabric Card
GSR-SFC6	3.6.0	GSR Switch Fabric Card
OC12/SRP-IR-SC-B	3.6.0	2 Port OC-12 Single Mode SRP Intermediate Reach Line Card
OC12/SRP-MM-SC-B	3.6.0	2 Port OC-12 Multi Mode SRP Line Card
OC-48E/POS-SR-SC-B	3.6.0	2 Port Packet Over Sonet OC-48, Single Mode, Short Reach, SC Connector Card
OC48X/POS-LR-SC	3.6.0	One-Port OC-48c/STM-16c POS/SDH ISE Line Card, Long Reach
OC48X/POS-SR-SC	3.6.0	One-Port OC-48c/STM-16c POS/SDH ISE Line Card, Short Reach
POS-EN-OC48-LR-SC	3.6.0	Enhanced OC-48 Long Reach SC Connector Line Card
POS-EN-OC48-SR-SC	3.6.0	Enhanced OC-48 Short Reach SC Connector Line Card
POS-EN-QOC12-IR	3.6.0	Enhanced 4 port OC-12 Intermediate Reach Line Card
POS-EN-QOC48-SM-LR-FC	3.6.0	4 Port (Quad) Enhanced OC-48 Long Reach FC Connector Line Card
POS-EN-QOC48-SM-LR-SC	3.6.0	4 Port (Quad) Enhanced OC-48 Long Reach SC Connector Line Card
POS-EN-QOC48-SM-SR-SC	3.6.0	4 Port (Quad) Enhanced OC-48 Short Reach SC Connector Line Card

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
POS-OC48-SM-SR-SC	3.6.0	1 Port Packet Over Sonet OC-48, Single Mode, Short Reach, SC Connector Card
POS-QOC12-MM-SR	3.6.0	4 port (Quad) OC-12 POS Card, Single Mode, Short Reach
PRP-1	3.6.0	Performance Route Processor-1
PRP-2	3.6.0	Cisco XR 12000 and 12000 Series Performance Router Processor-2
PRP-3	3.6.0	Performance Route Processor-3
PRP-4	3.6.0	Cisco XR 12000 and 12000 Series Performance Router Processor-4
SFP-GE-L	3.7	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.7	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-T	3.7	1000BASE-T copper gigabit ethernet SFP.
SFP-OC3-IR1	3.7	Intermediate range, single-mode fiber
SFP-OC48-IR1	3.6.1	OC-48c/STM-16c
SFP-OC48-LR2	3.6.1	OC-48c/STM-16c SFP, Long Reach (80km)
SPA-10X1GE	3.6.1	10-port 1 GbE Shared Port Adapter
SPA-1X10GE-L-V2	3.6.0	Cisco 1-Port 10GE LAN-PHY Shared Port Adapter
SPA-1XCHOC48/DS3	3.6.2	1-Port Channelized STM-16/OC-48 SPA.
SPA-1XCHSTM1/OC3	3.6.1	1-port Channelized STM-1/OC-3c to DS0 Shared Port Adapter.
SPA-1XOC12-ATM-V2	3.6.2	1-port OC12c SFP Optics ATM Shared Port Adapter
SPA-1XOC192POS-VSR	3.6.1	1-port OC192/STM64 POS VSR Optics Shared Port Adapter
SPA-1XOC3-ATM-V2	3.6.2	1-port OC3c SFP Optics ATM Shared Port Adapter
SPA-1XOC48POS/RPR	3.6.0	Port OC-48c/STM-16c POS/RPR Shared Port Adapter
SPA-1XTENGE-XFP	3.6.0	1-port 10Gigabit Ethernet Shared Port Adapter XFP based
SPA-1XTENGE-XFP-V2	3.6.0	1-port 10GbE Shared Port Adapter XFP based V2
SPA-24CHT1-CE-ATM	3.6.1	24-Port Channelized T1/E1/J1 ATM CEoP SPA
SPA-2CHT3-CE-ATM	3.6.2	2-port Channelized T3/E3 ATM + Circuit Emulation Shared Port Adapter
SPA-2X1GE	3.6.0	2 ports Gigabit Ethernet Shared Port Adapters
SPA-2X1GE-V2	3.6.1	2 ports Gigabit Ethernet Shared Port Adapters
SPA-2XCT3/DS0	3.6.1	2-port Channelized T3 to DS0 Shared Port Adapter
SPA-2XOC12-POS	3.6.0	2-Port OC-3c/STM-1 and OC-12c/STM-4 POS SPA

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-2XOC48POS/RPR	3.6.0	2-port OC48/STM16 POS/RPR Shared Port Adapters
SPA-2XT3/E3	3.6.1	2-port Clear Channel T3/E3 Shared Port Adapter
SPA-3XOC3-ATM-V2	3.6.2	1-port OC3c SFP Optics ATM Shared Port Adapter
SPA-4XCT3/DS0	3.6.0	4-port Channelized T3 to DS0 Shared Port Adapter
SPA-4XOC12-POS	3.6.0	4-port OC-12/STM-4 POS Shared Port Adapters
SPA-4XOC3-POS-V2	3.6.0	4-port OC-3c/STM1c POS Shared Port Adapter
SPA-4XT3/E3	3.6.1	4-port Clear Channel T3/E3 Shared Port Adapter
SPA-5X1GE	3.6.0	5-Port Gigabit Ethernet SPA
SPA-5X1GE-V2	3.6.0	5-Port Gigabit Ethernet SPA
SPA-8X1FE-TX-V2	3.6.0	8-port 10/100 Ethernet SPA TX (Fugu ASIC)
SPA-8X1GE	3.6.0	8-port Gigabit Ethernet Shared Port Adapter_V2
SPA-8X1GE-V2	3.6.2	8-port 1GbE SPA (Fugu ASIC)
SPA-8XCHT1/E1	3.6.1	8-port Channelized T1/E1 to DS0 Shared Port Adapter
SPA-8XFE-TX	3.6.0	8-port 10/100 Ethernet SPA with RJ-45
SPA-8XOC12-POS	3.6.0	8-Port OC-12c/STM-4 Multirate POS SPA
SPA-OC192POS-LR	3.6.0	1-port OC192/STM64 POS/RPR SMLR Optics
SPA-OC192POS-VSR	3.6.1	1-port OC192/STM64 POS/RPR VSR Optics
SPA-OC192POS-XFP	3.6.0	1-port OC192/STM64 POS/RPR XFP Optics Shared Port Adapter with XFP-10GLR-OC192SR
SPA-OC192RPR-XFP	3.6.0	1-port OC192/STM64 POS/RPR XFP Optics Shared Port Adapter = SPA-OC192RPR-XFP
SRP-OC12-MM	3.6.0	1 Port OC-12 Multi Mode SRP Line Card
SRP-OC12-SM-IR	3.6.0	1 Port OC-12 Single Mode SRP Intermediate Reach Line Card
SSRP-OC48-SM-LR	3.6.0	1 Port OC-48 SRP Single Mode Long Reach Line Card
SSRP-OC48-SM-SR	3.6.0	1 Port OC-48 SRP Single Mode Short Reach Line Card
XR-PRP-2	3.6.1	Cisco XR 12000 and 12000 Series Performance Router Processor-2
SPA-1X10GE-L-ITUC	3.7.1	Cisco 1-Port 10 Gigabit Ethernet (10GE) Tunable WDM-PHY Shared Port Adapter
12416E-CSC	PrimeNet work-3.10 -DP1305, PrimeNet work-38.3 9-DP1305	Cisco 12016/12416 Enhanced Clock Scheduler Card

Table 11-64 Supported Modules for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
12416E-SFC	PrimeNet work-3.10-DP1305, PrimeNet work-38.39-DP1305	Cisco 12010/12410 Enhanced Switch Fabric Card

Cisco 12000 Series—Supported Technologies

The following technologies are supported by the Cisco 12000 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [6PE, page 11-371](#)

Cisco 12000 Series—Supported Service Events

Table 11-65 Supported Service Events for Cisco 12000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
Cloud Problem	3.6.0	N
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	Y
DS1 Path Link Down Due to Admin Down	3.7	N
DS1 Path Link Down Due to Oper Down	3.7	N
DS1 Path Link Up	3.7	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MLPPP Down Due To Admin Down	3.7	N
MLPPP Down Due To Oper Down	3.7	N
MLPPP Up	3.7	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.0	N
SONET Path Link Down Due to Admin Down	3.7	N
SONET Path Link Down Due to Oper Down	3.7	N
SONET Path Link Up	3.7	N

Table 11-65 Supported Service Events for Cisco 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
SONET Path Port Up	3.7	N
VLAN Subinterface Admin Down	3.6.7	N
VLAN Subinterface Up	3.6.7	N
Tx Overutilized	3.6.0	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco XR 12000 Series Routers

This section includes the following information about Cisco XR 12000 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco XR 12000 Series Routers](#)):

This section contains the following topics:

- [Cisco XR 12000 Series—Supported Software Versions](#), page 11-93
- [Cisco XR 12000 Series—Supported Topologies](#), page 11-95
- [Cisco XR 12000 Series—Supported Modules](#), page 11-96
- [Cisco XR 12000 Series—Supported Technologies](#), page 11-103
- [Cisco XR 12000 Series—Supported Service Events](#), page 11-103

Cisco XR 12000 Series—Supported Software Versions

Table 11-66 Supported Software Versions for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOX 3.4.0	3.6.0
IOX 3.4.1	3.6.0
IOX 3.4.3.2	3.6.3
IOX 3.5.0	3.6.1
IOX 3.5.1	3.6.1
IOX 3.6.0	3.6.3 ¹
IOX 3.6.1	3.6.3
IOX 3.6.2	3.6.5
IOX 3.6.3	3.6.7

Table 11-66 Supported Software Versions for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOX 3.7.0	3.6.4
IOX 3.7.1	3.6.4
IOX 3.8.0	3.6.6
IOX 3.8.1	3.6.7
IOX 3.8.2	3.7 ²
IOX 3.8.4	3.7.1
IOX 3.9.0	3.7
IOX 3.9.1	3.7.1
IOX 3.9.2	3.7.1.1.0
IOX 4.0.0	3.7.1.1.0
IOX 4.0.1	3.7.2
IOX 4.0.3	Cisco-ANA-3.7.x-DP4
IOX 4.1.0	Cisco-ANA-3.7.x-DP4
IOX 4.1.1	Cisco-ANA-3.7.x-DP6
IOX4.2.0	Cisco-ANA-3.7.x-DP11, PrimeNetwork-3.8.X-DP2
IOX4.2.1	Cisco-ANA-3.7.x-DP16, PrimeNetwork-3.8.xTO3.9.x-DP1206
IOX4.2.3	Cisco-ANA-3.7.x-DP20, PrimeNetwork-3.8.xTO3.9.x-DP1210
IOX 4.2.4	PrimeNetwork-3.8.xTO3.9.x-DP1301, PrimeNetwork-3.10-DP1301
IOX 4.3.1.0	PrimeNetwork-3.8.xTO3.9.x-DP1301, PrimeNetwork-3.10-DP1301

Table 11-66 Supported Software Versions for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOX 4.3.1	PrimeNetwork-3.8.xTO3.9.x-DP1305, PrimeNetwork-3.10(11)X-DP1305
IOX 4.1.2	Cisco-Prime Network DP1.0
IOX 4.3.1.2	PrimeNetwork-3.10(11)X-DP1403, Prime Network 4.0 DP1403
IOX 5.1.0	PrimeNetwork-3.10(11)X-DP1403, Prime Network 4.0 DP1403
IOX 5.1.1	PrimeNetwork-3.10(11)X-DP1403, Prime Network 4.0 DP1403

¹Prime Network recognizes all maintenance builds starting from this IOS XR release train.

²Prime Network models pluggable port properties starting from this IOS XR version

Cisco XR 12000 Series—Supported Topologies

Table 11-67 Supported Topologies for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.2
MLPPP	MLPPP	3.7.1
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.0
PWE3 (Martini)	Tunnel	3.6.0

Table 11-67 Supported Topologies for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
VPN (IPv6)	VPN	3.7.1
VPN (VRF)	VPN	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco XR 12000 Series—Supported Modules

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
12000/16-AC-PEM	3.6.4	Cisco 12000 16-slot Enhanced AC PEM
12000/16-DC-PEM	3.6.4	Cisco 12000 16-slot Enhanced DC PEM
12000/4-BLOWER	3.6.2	Cisco 12000 4-slot Blower
12000/4-DC-PEM	3.6.4	Cisco 12000 4-slot DC PEM
12000/6-AC-PEM	3.6.4	Cisco 12000 6-slot Enhanced AC PEM
12000/6-DC-PEM	3.6.4	Cisco 12000 6-slot Enhanced DC PEM
12000-SIP-401	3.6.0	Cisco 12000 Series SPA Interface Processor-401
12000-SIP-501	3.6.0	Cisco 12000 Series SPA Interface Processor-501
12000-SIP-600	3.6.0	Cisco 12000 Series SPA Interface Processor-600
12000-SIP-601	3.6.0	Cisco 12000 Series SPA Interface Processor-601
12410E-CSC	3.7.0.1	CISCO 12410 Enhanced Clock Scheduler Card
GSR10-SFC	3.6.0	GSR 12410 Switch Fabric Card
12410E-SFC	3.7.0.1	Cisco 12410 Enhanced Switch Fabric Card
12810-CSC	3.6.7	12810 Clock Scheduler Card
12810E-CSC	3.7.0.1	12810 800Gbps Enhanced Clock Scheduler Card
12810-SFC	3.6.5	GSR 12810 Switch Fabric Card
12816E-CSC	3.7.0.1	CISCO 12816 1280GBPS ENHANCED CLOCK SCHEDULER
12816-SFC	3.6.4	GSR 12816 Switch Fabric Card
12DS3-SMB	3.6.0	Cisco 12000 Series 12-Port DS3 Line Card
16OC3X/POS-I-LC-B	3.6.0	16 PORT OC3 WITH EXTENDED FEATURES RELEASE B
16-OC3X/POS-IR-LC	3.6.0	16-Port Packet-Over-SONET OC-3/STM-1 with Extended Feature Set Line Card (concatenated)
16OC3X/POS-IR-LC-B	3.6.0	16-port OC-3/STM-1 POS line card, IR optics (Engine 3)

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
16OC3X/POS-M-MJ-B	3.6.0	16-port OC-3/STM-1 POS line card, multimode optics (Engine 3)
1X10GE-ER-SC	3.6.1	1 Port 10Giga Ethernet Line Card
1X10GE-LR-SC	3.6.1	1 Port 10Giga Ethernet Line Card
3GE-GBIC-SC	3.6.0	Three-Port Gigabit Ethernet Line Card with default 128-MB code and route table memory
4GE-SFP-LC	3.6.0	4 port-GE line card for Cisco 12000
4OC12/ATM-IR-SC	3.6.0	4 port OC-12/STM4 ATM LC Intermediate Reach
4OC12/ATM-MM-SC	3.6.0	4-port OC12/STM4 ATM MM ISE LC with SC connector
4OC12/POS-IR-SC	3.6.0	Four-port OC12/STM4 Packet Over SONET/SDH with Enhanced UpgradeóSM with SC
4OC12/POS-IR-SC-B	3.6.0	Four-port OC12/STM4 Packet Over SONET/SDH with Enhanced UpgradeóSM with SC
4OC12/POS-SR	3.6.0	4 port (Quad) OC-12 POS Card, Single Mode, Short Reach
4OC12X/POS-I-SC-B	3.6.0	4 Port OC12 SM Intermediate Reach POS
4OC12X/POS-I-SC-B	3.6.0	4 Port OC12 SM Intermediate Reach POS
4OC12X/POS-M-SC-B	3.6.0	Four-Port OC-12c/STM-4c POS/SDH ISE Line Card, Multi-Mode
4OC3/ATM-IR-SC	3.6.0	4-port ATM Line Card Intermediate Reach
4OC3/ATM-MM-SC	3.6.0	4-port OC3 Multi-Mode ATM Line Card
4OC3X/ATM-IR-SC	3.6.1	4-port OC3/STM1 ATM Single Mode, intermediate reach ISE Line Card with SC connector
4OC3X/POS-IR-LC-B	3.6.0	GSR 4-port OC3/POS IR Eng3 release B
4OC3X/POS-LR-LC-B	3.6.0	GSR 4-port OC3/POS IR Eng3 release B
4OC3X/POS-MM-MJ-B	3.6.0	GSR 4-port OC3/POS MM Eng3 release B
4OC48/POS-SR-SC	3.6.0	4 Port (Quad) Enhanced OC-48 Short Reach SC Connector Line Card
4XOC48POS/RPR	3.6.0	4-port OC48/STM16 POS/RPR Shared Port Adapter = SPA-4XOC48POS/RPR
6CT3-SMB	3.6.0	6-port Channelized DS3-to-DS1 Line Card, SMB connector
6DS3-SMB	3.6.0	6 Port Copper DS3 Interface Line Card
8FE-FX-SC	3.6.0	8-Port Fast Ethernet Line Card
8FE-TX-RJ45	3.6.0	8-Port Fast Ethernet Line Card
8FE-TX-RJ45-B	3.6.1	8-port 100baseTX, RJ45 connector type, version B
8OC3X/POS-IR-LC-B	3.6.0	GSR 8-port OC3/POS IR Eng3 release B

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
8OC3X/POS-MM-MJ-B	3.6.0	GSR 8-port OC3/POS MM Eng3 release B
8X1FE-V2	3.6.0	8-port Fast Ethernet Shared Port Adapter V2 = SPA-8X1FE-V2
BUS_BOARD	3.6.0	GSR16 BUS BOARD (16) =
CHOC12/DS1-IR-SC	3.6.0	Cisco 12000 Series 1-Port Channelized OC-12c/STM-4
COPPER-12DS3	3.6.0 ¹	12 Port Copper DS3 Interface Line Card
CRS-16-ALARM	3.6.0	Cisco CRS-1 Series 16 Slots Alarm Board = CRS-16-ALARM
EPA-GE/FE	3.6.0	Modular Gigabit/Fast Ethernet card for GSR
GSR10-AC-PDU	3.6.0	Cisco 12410 AC Power Distribution Unit (spare)
GSR10-ADVNCDCSC	3.6.0	12010 Advanced Clock Scheduler Card
GSR10-ADVNCDSFC	3.6.0	12010 Advanced Switch Fabric Card
GSR10-ALRM	3.6.0	12410, 12010 Alarm Card
GSR10-CSC	3.6.0	12410 Clock Scheduler Card
GSR10-SFC	3.6.0	Cisco 12410 Switch Fabric Card
GSR16/320-CSC	3.6.0	12416 Clock Scheduler Card
GSR16/320-SFC	3.6.0	12416 Switch Fabric Card
GSR16/80-CSC	3.6.0	Cisco 12016 80 Gbps GSR Scheduler/Fabric
GSR16/80-SFC	3.6.0	Cisco 12016 80 GbpsGSR Switch Fabric
GSR16-ALRM	3.6.0	Cisco 12016 GSR Alarm Card
GSR16-BLOWER	3.6.0	Cisco 12016, 12416 Blower
GSR4/80-AC	3.6.2	GSR 12404 AC Power Supply - cevPowerSupply12404AC
GSR6-ADVNCDCSC	3.6.0	12006 Advanced Clock Scheduler Card
GSR6-ALRM	3.6.0	12406, 12006 Alarm Card
GSR6-BLOWER	3.6.0	12406, 12006 Blower
GSR6-CSC	3.6.0	Cisco 12406 Clock Scheduler Card
GSR6-SFC	3.6.0	Cisco 12406 Switch Fabric Card
GSR8-CSC/ALRM	3.6.0	Cisco 12008 GSR Scheduler/Fabric/Alarm
GSR-8FE-FX	3.6.0	8 port Fast Ethernet card with Fiber Interface
GSR8-SFC	3.6.0	Switch Fabric
GSR-ALARM10	3.6.0	GSR Alarm module
GSR-ALARM16	3.6.0	GSR-Alarm
GSR-BUS-BOARD16	3.6.0	GSR Bus Board for Power distribution
GSR-CLOCK-OC192	3.6.0	GSR Clock Scheduler

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
GSR-CSC	3.6.0	GSR Clock Scheduler Card
GSR-CSC10	3.6.0	GSR 12410 Clock scheduler
GSR-CSC16	3.6.0	GSR Clock Scheduler
GSR-CSC16-OC192	3.6.0	GSR 12406 Clock Scheduler Card
GSR-E48-ATM-4OC12-SM-IR-SC	3.6.0	GSR Edge Engine 48, ATM, 4 ports OC12/STM4 Single Mode Intermediate Reach Line Card
GSR-E48-POS-16OC3-SM-IR-LC	3.6.0	16 Port OC3 SM Intermediate Reach POS
GSR-E48-POS-OC48-SM-LR-SC	3.6.0	GSR 12406 Switch Fabric Card
GSR-E-OC192-SM-SR-SC	3.6.0	Enhanced 1 Port OC 192 Short Reach 2 FC Connector Line Card.
GSR-E-QOC48-SM-LR-SC	3.6.0	GSR Edge 4 Port Packet over Sonet OC-48, Single Mode, Long Reach, SC Connector card
GSR-E-QOC48-SM-SR-SC	3.6.0	4 Port Enhanced OC 48 Short Reach SC Connector Line Card
GSR-PA-3GE	3.6.0	GSR 3 port Port Adapter
GSR-RP	3.6.0	GSR RoMman Recovery
GSR-SFC	3.6.0	GSR Switch Fabric Card
GSR-SFC16	3.6.0	Switch Fabric Card
GSR-SFC16-OC192	3.6.0	GSR 12406 Switch Fabric Card
OC12/SRP-IR-SC-B	3.6.0	2 Port OC-12 Single Mode SRP Intermediate Reach Line Card
OC12/SRP-MM-SC-B	3.6.0	2 Port OC-12 Multi Mode SRP Line Card
OC48E/POS-LR-SC	3.6.0	1-Port OC-48/STM-16 SONET/SDH 1550 nm long-reach with SC Connector
OC48E/POS-SR-SC	3.6.0	1-Port OC-48/STM-16 SONET/SDH 1310 nm short-reach with SC Connector
OC-48E/POS-SR-SC-B	3.6.0	2 Port Packet Over Sonet OC-48, Single Mode, Short Reach, SC Connector Card
OC48X/POS-LR-SC	3.6.0	One-Port OC-48c/STM-16c POS/SDH ISE Line Card, Long Reach
OC48X/POS-SR-SC	3.6.0	One-Port OC-48c/STM-16c POS/SDH ISE Line Card, Short Reach
POS-EN-QOC48-SM-LR-FC	3.6.0	4 Port (Quad) Enhanced OC-48 Long Reach FC Connector Line Card
POS-EN-QOC48-SM-LR-SC	3.6.0	4 Port (Quad) Enhanced OC-48 Long Reach SC Connector Line Card
PRP-1	3.6.0	Performance Route Processor-1

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
PRP-2	3.6.0	Cisco XR 12000 and 12000 Series Performance Router Processor-2
PRP-3	3.6.6	Cisco XR 12000 and 12000 Series Performance Router Processor-3
PRP-4	3.6.0	Cisco XR 12000 and 12000 Series Performance Router Processor-4
SFP-GE-L	3.6.7	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP.
SFP-OC48-IR1	3.6.1	OC-48c/STM-16 pluggable intermediate-reach (15 km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC48-LR2	3.6.1	OC-48c/STM-16 pluggable long-reach (80 km) transceiver module, 1550-nm wavelength, LC connector
SPA-10X1GE	3.6.0	10-port 1 GbE Shared Port Adapter
SPA-10X1GE-V2	3.6.2	Cisco 10-Port Gigabit Ethernet Shared Port Adapter
SPA-1X10GE-L-V2	3.6.0	Cisco 1-Port 10GE LAN-PHY Shared Port Adapter
SPA-1XCHOC12/DS0	3.6.7	1-port OC12 Channelized DS0 line card
SPA-1XCHOC48/DS3	3.6.2	1-Port Channelized STM-16/OC-48 SPA.
SPA-1XCHSTM1/OC3	3.6.1	1-port Channelized STM-1/OC-3c to DS0 Shared Port Adapter.
SPA-1XOC12-ATM-V2	3.6.2	1-port OC12c SFP Optics ATM Shared Port Adapter
SPA-1XOC192POS-VSR	3.6.0	1-port OC192/STM64 POS VSR Optics Shared Port Adapter
SPA-1XOC3-ATM-V2	3.6.2	1-port OC3c SFP Optics ATM Shared Port Adapter
SPA-1XOC48POS/RPR	3.6.0	Port OC-48c/STM-16c POS/RPR Shared Port Adapter
SPA-1XTENGE-XFP	3.6.0	1-port 10Gigabit Ethernet Shared Port Adapter XFP based
SPA-1XTENGE-XFP-V2	3.6.0	Cisco 1-Port 10 Gigabit Ethernet Shared Port Adapter
SPA-2CHT3-CE-ATM	3.6.2	2-port Channelized T3/E3 ATM + Circuit Emulation Shared Port Adapter
SPA-2X1GE	3.6.0	2 ports Gigabit Ethernet Shared Port Adapters
SPA-2X1GE-V2	3.6.1	2 ports Gigabit Ethernet Shared Port Adapters
SPA-2XCT3/DS0	3.6.1	2-port Channelized T3 to DS0 Shared Port Adapter
SPA-2XOC12-POS	3.6.0	2-Port OC-3c/STM-1 and OC-12c/STM-4 POS SPA
SPA-2XOC48POS/RPR	3.6.0	2-port OC48/STM16 POS/RPR Shared Port Adapters

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-2XT3/E3	3.6.1	2-port Clear Channel T3/E3 Shared Port Adapter
SPA-3XOC3-ATM-V2	3.6.4	3-port OC3c SFP Optics ATM Shared Port Adapter
SPA-4XCT3/DS0	3.6.0	4-port Channelized T3 to DS0 Shared Port Adapter
SPA-4XOC12-POS	3.6.0	4-port OC-12/STM-4 POS Shared Port Adapters
SPA-4XOC3-POS-V2	3.6.3	4-Port OC-3c/STM-1 POS SPA
SPA-4XT3/E3	3.6.1	4-port Clear Channel T3/E3 Shared Port Adapter
SPA-5X1GE	3.6.0	5-Port Gigabit Ethernet SPA
SPA-5X1GE-V2	3.6.0	5-Port Gigabit Ethernet SPA
SPA-8X1FE-TX-V2	3.6.0	8-port 10/100 Ethernet SPA TX (Fugu ASIC)
SPA-8X1GE	3.6.0	8-port Gigabit Ethernet Shared Port Adapter_V2
SPA-8XCHT1/E1	3.6.1	8-port Channelized T1/E1 to DS0 Shared Port Adapter
SPA-8XFE-TX	3.6.0	8-port 10/100 Ethernet SPA with RJ-45
SPA-8XOC12-POS	3.6.0	8-Port OC-12c/STM-4 Multirate POS SPA
SPA-IPSEC-2G-2	3.6.1	Cisco XR 12000 Series IPsec VPN Shared Port Adapter
SPA-OC192POS-LR	3.6.0	1-port OC192/STM64 POS/RPR SMLR Optics
SPA-OC192POS-VSR	3.6.0	1-port OC192/STM64 POS/RPR VSR Optics
SPA-OC192POS-XFP	3.6.0	1-port OC192/STM64 POS/RPR XFP Optics Shared Port Adapter with XFP-10GLR-OC192SR
SPA-OC192RPR-XFP	3.6.0	1-port OC192/STM64 POS/RPR XFP Optics Shared Port Adapter = SPA-OC192RPR-XFP
SSRP-OC48-SM-LR	3.6.0	1 Port OC-48 SRP Single Mode Long Reach Line Card
SSRP-OC48-SM-SR	3.6.0	1 Port OC-48 SRP Single Mode Short Reach Line Card
XR-PRP-2	3.6.1	Cisco XR 12000 and 12000 Series Performance Router Processor-2
SPA-8XOC3-POS	Cisco-AN A-3.7.x-D P5	8-port OC-3c/STM-1c POS SPA
SPA-1X10GE-L-ITUC	Cisco-AN A-3.7.x-D P7	Cisco 1-port 10 Gigabit Ethernet DWDM Shared Port Adapter V2
PRP3-SMDC	Cisco-AN A-3.7.x-D P10, Cisco-AN A-3.8-DP 1	Cisco XR 12000 Service Module Daughter Card for PRP-3

Table 11-68 Supported Modules for Cisco XR 12000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-1CHOC3-CE-ATM	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	1-port Channelized OC3/STM-1 ATM + Circuit Emulation SP
SPA-24CHT1-CE-ATM	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	24-port Channelized T1/E1 ATM + Circuit Emulation Shared Port Adapter
SPA-2CHT3-CE-ATM	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	2-port Channelized T3/E3 ATM + Circuit Emulation Shared Port Adapter
SFP-OC3-IR1	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	OC-3/STM-1 pluggable intermediate-reach (15 [†] km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-LR1	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	OC-3/STM-1 pluggable long-reach (40 [†] km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-LR2	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	OC-3/STM-1 pluggable long-reach (80 [†] km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC3-SR	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	OC-3/STM-1 pluggable short-reach (2 [†] km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-MM	3.7.x-DP1 1,PrimeN etwork-3. 8.X-DP2	OC-12/STM-4 pluggable short-reach (2 [†] km) transceiver module, 1310-nm wavelength, MMF, LC connector
12000/10-AC-PEM=	Prime Network 4.1-DP15 01	GSR 12410 Intelligent AC Power Supply
12000/10/16-BLWER=	Prime Network 4.1-DP15 01	GSR 12410 Enhanced Fan tray

[†]Derecated OID

Cisco XR 12000 Series—Supported Technologies

The following technologies are supported by the Cisco XR 12000 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [PPP](#), page 11-323
- [HDLC](#), page 11-325
- [SONET/SDH](#), page 11-325
- [TDM/DSx](#), page 11-326
- [MPLS](#), page 11-330
- [MPLS-TE](#), page 11-334
- [VPN \(VRF\)](#), page 11-339
- [PWE3](#), page 11-340
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [Additional Technologies](#), page 11-351
- [IPoDWDM](#), page 11-352
- [BFD](#), page 11-355
- [Carrier Ethernet](#), page 11-356
- [CDP](#), page 11-358
- [Ethernet OAM](#), page 11-359
- [6PE](#), page 11-371
- [IPSec](#), page 11-372
- [IPMulticast](#), page 11-389

Cisco XR 12000 Series—Supported Service Events

Table 11-69 Supported Service Events for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.1	Y
BGP Process Down	3.6.0	N
Card Down	3.6.0	Y

Table 11-69 Supported Service Events for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
DS1 Path Link Down Due to Admin Down	3.7	N
DS1 Path Link Down Due to Oper Down	3.7	N
EFP Admin Down	3.6.7	N
EFP Down Due to Error Disabled	3.6.7	N
Fan-Tray Down	3.8	N
Fan-Tray Up	3.8	N
Fan-Tray Out	3.8	N
Fan-Tray In	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MLPPP Down Due To Oper Down	3.7	N
MLPPP Up	3.7	N
Port Down Due to Admin	3.8	N
Power Supply Down	Prime Network 3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.0	N
SONET Path Link Down Due to Admin Down	3.7	N
SONET Path Link Down Due to Oper Down	3.7	N
SONET Path Link Up	3.7	N
SONET Path Port Up	3.7	N
Tx Overutilized	3.6.0	N

Table 11-69 Supported Service Events for Cisco XR 12000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VSI Admin Down	3.6.7	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco Carrier Routing System

This section includes the following information about Cisco CRS routers:

This section contains the following topics:

- [Cisco CRS—Supported Software Versions, page 11-105](#)
- [Cisco CRS—Supported Topologies, page 11-108](#)
- [Cisco CRS—Supported Modules, page 11-109](#)
- [Cisco CRS—Supported Technologies, page 11-126](#)
- [Cisco CRS—Supported Service Events, page 11-127](#)

Cisco CRS—Supported Software Versions

Table 11-70 Supported Software Versions for Cisco CRS—Cisco Prime Network Version 5.3

Software Version	Product Version
IOX 3.4.0	3.6.0
IOX 3.4.1	3.6.0
IOX 3.4.3	3.6.3
IOX 3.5.1	3.6.1
IOX 3.6.0	3.6.3
IOX 3.6.1	3.6.3
IOX 3.6.2	3.6.4
IOX 3.6.3	3.6.7
IOX 3.7.0	3.6.4
IOX 3.7.1	3.6.4
IOX 3.8.0	3.6.6
IOX 3.8.1	3.6.7
IOX 3.8.2	3.7

Table 11-70 Supported Software Versions for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOX 3.8.4	3.7.1
IOX 3.9.0	3.7
IOX 3.9.1	3.7.0.1
IOX3.9.2	3.7.1.1.0
IOX4.0.0	3.7.1.1.0
IOX4.0.1	3.7.2
IOX4.0.3	Cisco-ANA3.7.x-DP4
IOX4.0.4	Cisco-ANA3.7.x-DP9
IOX4.1.0	Cisco-ANA3.7.x-DP4
IOX4.1.1	Cisco-ANA3.7.x-DP6
IOX4.1.2	Cisco-ANA3.7.x-DP10, PrimeNetwork-3.8.X-DP1
IOX4.2.0	Cisco-ANA3.7.x-DP11, PrimeNetwork-3.8.X-DP2
IOX4.2.1	Cisco-ANA3.7.x-DP16, PrimeNetwork-3.8.xTO3.9.x-DP 1206
IOX4.2.3	Cisco-ANA3.7.x-DP20, PrimeNetwork-3.8.xTO3.9.x-DP 1210
IOX 4.2.4	PrimeNetwork-3.8.xTO3.9.x-DP 1301, PrimeNetwork3.10-DP1301
IOX 4.3.0	PrimeNetwork-3.8.xTO3.9.x-DP 1301, PrimeNetwork3.10-DP1301
IOX 4.3.1	PrimeNetwork-3.8.xTO3.9.x-DP 1305, PrimeNetwork-3.10(11)X DP1305
IOX 4.3.2	PrimeNetwork-3.10(11)X DP1403, Prime Network4.0 DP1403
IOX 5.1.1	PrimeNetwork-3.10(11)X DP1403, Prime Network4.0 DP1403

Table 11-70 Supported Software Versions for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOX 5.1.2	PrimeNetwork-3.10(11)X DP1405, Prime Network4.0 DP1405, Prime Network4.1 DP1405
IOX 5.1.3	PrimeNetwork-3.10.xto3.11.x-D P1409, PrimeNetwork-4.0-DP1409, PrimeNetwork-4.1-DP1409
IOX 5.2.0	PrimeNetwork-3.10.xto3.11.x-D P1409, PrimeNetwork-4.0-DP1409, PrimeNetwork-4.1-DP1409
IOX 5.2.2	PrimeNetwork-3.10.xto3.11.x-D P1411, PrimeNetwork-4.0-DP1411, PrimeNetwork-4.1-DP1411
IOX 5.1.4	PrimeNetwork-4.0-DP1501, PrimeNetwork-4.1-DP1501, PrimeNetwork-4.2-DP1501
IOX 5.3.0	PrimeNetwork-4.0-DP1503, PrimeNetwork-4.1-DP1503, PrimeNetwork-4.2-DP1503
IOX 5.3.1	PrimeNetwork-4.0-DP1505, PrimeNetwork-4.1-DP1505, PrimeNetwork-4.2-DP1505
IOX 5.3.2	PrimeNetwork-4.1-DP1509, PrimeNetwork-4.2-DP1509, PrimeNetwork-4.2.1-DP1509
IOX 5.3.3	PrimeNetwork-4.1-DP1601, PrimeNetwork-4.2-DP1601, PrimeNetwork-4.2.1-DP1601, PrimeNetwork-4.2.2-DP1601
IOX 6.1.1	PrimeNetwork-4.1-DP1607, PrimeNetwork-4.2-DP1607, PrimeNetwork-4.2.2-DP1607, PrimeNetwork-4.2.3-DP1607
IOX 5.3.4	PrimeNetwork-4.2-DP1609, PrimeNetwork-4.2.2-DP1609, PrimeNetwork-4.2.3-DP1609, PrimeNetwork-4.3-DP1609,Prime meNetwork-4.3.1-DP1609

Table 11-70 Supported Software Versions for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOX 6.1.2	PrimeNetwork-4.2-DP1611, PrimeNetwork-4.2.2-DP1611, PrimeNetwork-4.2.3-DP1611, PrimeNetwork-4.3-DP1611,Prime meNetwork-4.3.1-DP1611
IOX 6.1.3	PrimeNetwork-4.2-DP1701, PrimeNetwork-4.2.2-DP1701, PrimeNetwork-4.2.3-DP1701, PrimeNetwork-4.3-DP1701,Prime meNetwork-4.3.1-DP1701
IOX 6.2.1	PrimeNetwork-4.2-DP1703, PrimeNetwork-4.2.2-DP1703, PrimeNetwork-4.2.3-DP1703, PrimeNetwork-4.3-DP1703,Prime meNetwork-4.3.1-DP1703
IOX 6.1.4	PrimeNetwork-4.2-DP1705, PrimeNetwork-4.2.2-DP1705, PrimeNetwork-4.2.3-DP1705, PrimeNetwork-4.3-DP1705,Prime meNetwork-4.3.1-DP1705
IOX 6.2.2	PrimeNetwork-4.2-DP1707, PrimeNetwork-4.2.2-DP1707, PrimeNetwork-4.2.3-DP1707, PrimeNetwork-4.3-DP1707,Prime meNetwork-4.3.1-DP1707
IOX 6.2.3	PrimeNetwork-4.2.2-DP1801, PrimeNetwork-4.2.3-DP1801, PrimeNetwork-4.3-DP1801, PrimeNetwork-4.3.1-DP1801,Prime meNetwork-4.3.2-DP1801
IOX 6.4.1	PrimeNetwork-4.3-DP1803, PrimeNetwork-4.3.1-DP1803, PrimeNetwork-4.3.2-DP1803, PrimeNetwork-5.0-DP1803,Prime meNetwork-5.1-DP1803
IOS-XR 6.4.2	Prime Network 4.3.1 DP 1905

Cisco CRS—Supported Topologies

Table 11-71 Supported Topologies for Cisco CRS—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1

Table 11-71 Supported Topologies for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.0
MPLS	MPLS	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
Physical Layer	Physical Layer	3.6.0
PWE3 (Martini)	PW	3.6.2
VPN (VRF)	VPN	3.6.1
Satellite	Ethernet	Prime Network 4.2 Everest
L2 Fabric	L2 Fabric Link	Prime Network 4.2 Everest

Cisco CRS—Supported Modules

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
1-100GBE	3.7.1.1.0	Cisco CRS-3 1-port 100 Gigabit Ethernet Interface Module
14X10GBE-WL-XFP	3.7.1.1.0	Cisco CRS-3 14-Port 10GE LAN/WAN-PHY Interface Module
16OC48-POS/DPT	3.6.0	Cisco CRS-1 Series 16xOC48/STM16 POS/DPT Interface Module
1OC768-DPSK/C	3.6.6	Cisco CRS-1 1xOC768 DPSK+ (C-band) DWDM PLIM
1OC768-DPSK/C-E	3.6.2	1-Port OC-768/STM-256c (DPSK C-band EVEN) DWDM PLIM
1OC768-DPSK/C-O	3.6.2	1-Port OC-768/STM-256c (DPSK C-band ODD) DWDM PLIM
1OC768-ITU/C	3.6.0	Cisco CRS-1 1-Port OC-768c/STM-256c (C-band) DWDM PLIM

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
1OC768-POS-SR	3.6.1	1-port OC-768c/STM-256c PLIM, with short-reach optics (POS)
20-1GE-FLEX	3.6.7	Cisco CRS-1 Series 20x1GE Flexible Interface Module
20X10GBE-WL-XFP	3.7.1.1.0	Cisco CRS-3 20x10GbE LAN/WAN Physical Interface Module
2-10GE-WL-FLEX	3.6.7	Cisco CRS-1 Series 2x10GE WAN/LAN Flexible Interface Module
4-10GBE-WL-XFP	3.7.1	Cisco CRS-1 Series 4xGbE WAN/LAN XFP Interface Module
4-10GE	3.6.7	Cisco-CRS1 series 4x10GE interface module
4-10GE-ITU/C	3.6.0	Module Crs1 4x10 Ge CDwdm Plim
42-1GE	3.6.7	Cisco CRS-1 Series 42x1GE Interface Module
4OC192-ITU/C	3.6.1	Module Crs 1 4 ports OC192 C Dwdm Plim
4OC192-POS/DPT-IR	3.6.0	Cisco CRS-1 Series 4xOC192/STM64 POS/DPT Interface Module/IR
4OC192-POS/DPT-LR	3.6.0	Cisco CRS-1 4xOC-192/STM-64 POS/DPT Interface Module/LR
4OC192-POS/DPT-SR	3.6.0	Cisco CRS-1 Series 4xOC192/STM64 POS/DPT Interface Module/SR
4OC192-POS/DPT-VS	3.6.0	Cisco CRS-1 4xOC-192/STM-64 POS/DPT Interface Module/VS
8-10GBE	3.6.0	8x10 Gigabite Ethernet port
8-10GBE-WL-XFP	3.7.1	Cisco CRS-1 8-port 10GbE LAN/WAN-PHY Interface Module
8XOC3-OC12-PO	3.6.0	SPA POS 8XOC12 Card
CFP-100G-LR4	3.7.1.1.0	100GBASE-LR4 CFP Module for SMF
CRS-16-AC-RECT	3.6.1	Cisco CRS-1 Series AC Pwr Rectifier for 16 slot LCC and FCC
CRS-16-ALARM	3.6.0	Cisco CRS-1 Series 16 Slots Alarm
CRS-16-ALARM-C	3.7	Cisco CRS-1 Series 16 Slots Modular Power System Alarm Board
CRS-16-DC-PEM	3.6.1	DC power entry module for line card chassis
CRS-16-DC-PEM=	3.6.4	Cisco CRS-1 Series DC PEM for 16 slot LCC and FCC

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-16-FC/D	3.6.1	Cisco CRS-1 Series 16 Slots Fabric Card/Dual
CRS-16-FC/M	3.6.0	Cisco CRS-1 Series 16 Slots Fabric Card / Multi
CRS-16-FC/S	3.6.0	Cisco CRS-1 Series 16 Slots Fabric Card Single
CRS-16-FC140/S	3.7.1.1.0	Cisco CRS-1 Series 16 Slots Fabric Card / Single (140G)
CRS-16FCC-PSH-AC	3.7	Cisco CRS-1 Series Modular AC Power Shelf for FCC
CRS-16FCC-PSH-DC	3.7	Cisco CRS-1 Series Modular DC Power Shelf for†FCC
CRS-16-LCC	3.6.0	16 slots Line Card Chassis
CRS-16-LCC-FAN-CT	3.6.0	Cisco CRS-1 Series LC Chassis Fan Controller
CRS-16-LCC-FAN-TR	3.6.1	Cisco CRS-1 16 Slots FCC fan tray with fans
CRS-16-LCC-PS-ACD	3.6.1	AC Delta power shelf for line card chassis
CRS-16-LCC-PS-ACD=	3.6.4	Cisco CRS-1 Series AC Delta Power Shelf for 16 Slots LCC
CRS-16-LCC-PS-ACW	3.6.1	AC Wye power shelf for line card chassis
CRS-16-LCC-PS-ACW=	3.6.4	Cisco CRS-1 Series AC Wye Power Shelf for 16 Slots LCC
CRS-16-LCC-PS-DC	3.6.1	DC power shelf for line card chassis
CRS-16-LCC-PS-DC=	3.6.4	Cisco CRS-1 Series DC Power Shelf for 16 Slots LCC
CRS-16LCC-PSH-AC	3.7	Cisco CRS-1 Series Modular AC Power Shelf for 16 Slots LCC
CRS-16LCC-PSH-DC	3.7	Cisco CRS-1 Series Modular DC Power Shelf for 16 Slots LCC
CRS-16-RP	3.6.0	Module Crs1 16 slots RP
CRS-16-RP-B	3.6.0	Module Crs1 16 slots RP - B
CRS1-SIP-800	3.6.0	Module Crs1 SPA Interface Card
CRS-4-AC-SHELF	3.6.1	Cisco CRS-1 Series AC Power Shelf for CRS-4
CRS-4-AC-SUPPLY	3.6.1	AC power supplies
CRS-4-CH	3.6.0	4 slots Chassis
CRS-4-DC-INPUT	3.6.1	Cisco CRS-1 Series 4 Slot DC Input Shelf
CRS-4-DC-PIM	3.6.4	Cisco CRS-1 Series 4 Slot DC Power Input Module
CRS-4-DC-SUPPLY	3.6.1	DC power supplies
CRS-4-FAN-TR	3.6.1	Cisco CRS-1 4 Slots FCC fan tray with fans
CRS-4-FC	3.6.1	CRS-1 4-Slot Fabric Card

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-4-FC140/S	3.7.1.1.0	Cisco CRS Series 4 Slot Fabric Card / Single(140G)
CRS-4-LCC	3.6.0	Cisco CRS-1 Series 4 Slots Line Card Chassis
CRS-8-AC-RECT	3.6.1	Cisco CRS-1 Series AC Pwr Rectifier for 8 slot LCC
CRS-8-DC-PEM	3.6.1	Cisco CRS-1 Series DC Power Entry Module for 8 slot LCC
CRS-8-FC/M	3.6.1	Cisco CRS-1 Series 8 Slots Fabric Card/Multi
CRS-8-FC/S	3.6.0	Cisco CRS-1 Series 8 Slots Fabric Card Single
CRS-8-FC140/S	3.7.1.1.0	Cisco CRS Series 8 Slot Fabric Card / Single(140G)
CRS-8-LCC	3.6.0	8 slots Line Card Chassis
CRS-8-LCC-ACD	3.6.1	Power Supply Crs 1 8 Slots AC Delta
CRS-8-LCC-ACW	3.6.1	Power Supply Crs 1 8 Slots ACW
CRS-8-LCC-DC	3.6.1	Cisco CRS-1 Series 8 slots with redundant DC power
CRS-8-LCC-FAN-TR	3.6.1	Cisco CRS-1 8 Slots FCC fan tray with fans
CRS-8-LCC-PDU-ACD	3.6.1	Cisco CRS-1 Series AC Delta PDU for CRS-8 LCC
CRS-8-LCC-PDU-ACW	3.6.1	AC Wye PDU
CRS-8-LCC-PDU-DC	3.6.1	Cisco CRS-1 Series DC PDU for CRS-8 LCC
CRS-8-PSH-AC	3.7	Cisco CRS-1 Series Modular AC Power Shelf for 8 Slots LCC
CRS-8-PSH-DC	3.7	Cisco CRS-1 Series Modular DC Power Shelf for 8 Slots LCC
CRS-8-RP	3.6.0	Module Crs1 8 slots RP
CRS-CGSE-PLIM	3.7.1	Cisco CRS-1 Carrier Grade Service Engine
CRS-DRP	3.6.0	Cisco CRS-1 Series Distributed Route Processor
CRS-DRP-B-CPU	3.6.0	Cisco CRS-1 Series Distributed Route Processor CPU board revision B
CRS-DRP-B-PLIM	3.6.0	Cisco CRS-1 Series Distributed Route Processor Front Accsry
CRS-DRP-CPU	3.6.0	Cisco CRS-1 Series Distributed Route Processor
CRS-DRP-PLIM	3.6.0	Cisco CRS-1 Series Distributed Route Processor Front Accsry
CRS-FCC	3.6.0	Cisco CRS-1 Series Fabric Card Chassis Only
CRS-FCC-FAN-TR	3.6.1	Cisco CRS-1 FCC fan tray with fans
CRS-FCC-LED	3.6.1	Fiber module LED card
CRS-FCC-OIM-1S	3.6.1	Optical single interface module (OIM)
CRS-FCC-OIM-2S	3.6.1	Optical dual interface module (OIM)

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-FCC-PS-ACD	3.6.1	CRS-1 Fabric Chassis AC Delta Power Supply
CRS-FCC-PS-ACW	3.6.1	CRS-1 Fabric Chassis AC Wye Option
CRS-FCC-PS-DC	3.6.1	CRS-1 Fabric Chassis DC Power Option
CRS-FCC-SC/GEW	3.6.1	Cisco CRS-1 Series FC Chassis Shelf/Fan/Enet cntr
CRS-FCC-SC-22GE	3.6.1	CRS-1 fan controllers
CRS-FCC-SC-GE	3.6.1	2-port Shelf controller Gigabit Ethernet
CRS-FCC-SFC	3.6.1	Switch fabric card (fabric card chassis) S2 switch fabric cards
CRS-FP140	3.7.1.1.0	Cisco CRS Series Forwarding Processor 140G
CRS-FP40	3.6.7	Cisco CRS-1 Series Forwarding Processor 40G
CRS-MSC	3.6.0	Cisco CRS-1 Series Modular Service Card
CRS-MSC-140G	3.7.1.1.0	Cisco CRS Series Modular Series Card 140G
CRS-MSC-20G-B	3.6.0	Cisco CRS-1 Series Modular Service Card B - 20G licenses
CRS-MSC-40G-B	3.6.0	Cisco CRS-1 Series Modular Service Card B - 40G licenses
CRS-MSC-B	3.6.0	Cisco CRS-1 Series Modular Services Card revision B
CRS-PM-AC	3.7	Cisco CRS-1 Series AC Power Module 2100W
CRS-PM-DC	3.7	Cisco CRS-1 Series DC Power Module 2100W
CRS-XENPAK-10GB-LR	3.6.0	XENPAK 10GBASE-LR Optics Module
OC192/POS-IR-SC	3.6.2	Cisco One-Port OC-192c/STM-64c POS Line Card 1550 nm IR, SC
SFP-GE-L	3.7.1.1.0	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
SFP-GE-S	3.6.7	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, extended operating temperature range and DOM support
SFP-GE-T	3.6.7	1000BASE-TX SFP (DOM), MMF, 550/220m
SFP-GE-Z	3.6.7	1000BASE-ZX SFP transceiver module SMF, 1550-nm wavelength, extended operating temperature range and DOM support

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SFP-OC12-IR1	3.7.1.1.0	OC-12/STM-4 pluggable intermediate-reach (15†km) transceiver module, 1310-nm wavelength
SFP-OC12-LR1	3.7.1.1.0	OC-12/STM-4 pluggable long-reach (40†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC12-LR2	3.7.1.1.0	OC-12/STM-4 pluggable long-reach (80†km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC12-MM	3.7.1.1.0	OC-12/STM-4 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, MMF, LC connector
SFP-OC12-SR	3.7.1.1.0	OC-12/STM-4 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-IR1	3.7.1.1.0	OC-3/STM-1 pluggable intermediate-reach (15†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-LR1	3.7.1.1.0	OC-3/STM-1 pluggable long-reach (40†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-LR2	3.7.1.1.0	OC-3/STM-1 pluggable long-reach (80†km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC3-MM	3.7.1.1.0	OC-3/STM-1 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, MMF, LC connector
SFP-OC3-SR	3.7.1.1.0	OC-3/STM-1 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, LC connector
SPA-10X1GE	3.6.1	10-Port Gigabit Ethernet SPA
SPA-10X1GE-V2	3.6.1	10-Port Gigabit Ethernet SPA
SPA-1X10GE-L-V2	3.6.1	Cisco 1-Port 10 Gigabit Ethernet Shared Port Adapter
SPA-1X10GE-WL-V2	3.6.7	Cisco 1-Port 10-Gigabit Ethernet LAN/WAN PHY Shared Port Adapter
SPA-1XCHOC12/DS0	3.6.2	Cisco 1-port Channelized OC12/STM-4 SPA

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-1XOC12-ATM-V2	3.6.4	Cisco 1-Port OC12c/STM4c ATM Shared Port Adapter
SPA-1XOC192POS-VSR	3.6.0	Cisco 1-Port OC-192c/STM-64c POS/RPR Shared Port Adapter with VSR Optics
SPA-1XOC192POS-XFP	3.6.0	Cisco 1-Port OC-192c/STM-64c POS/RPR Shared Port Adapter with XFP Optics
SPA-1XOC3-ATM-V2	3.6.7	Cisco 1-Port OC3c/STM1c ATM Shared Port Adapter
SPA-1XOC48POS/RPR	3.6.1	Port OC-48c/STM-16c POS/RPR Shared Port Adapter
SPA-1XTENGE-XFP	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-1XTENGE-XFP-V2	3.6.0	1-port 10GbE Shared Port Adapter XFP based V2 = SPA-1XTENGE-XFP-V2
SPA-2X1GE	3.6.1	2 ports Gigabit Ethernet Shared Port Adapters
SPA-2X1GE-V2	3.6.1	2 ports Gigabit Ethernet Shared Port Adapters
SPA-2XCT3/DS0	3.6.1	Cisco 2-Port Channelized T3 (DS0) Shared Port Adapter
SPA-2XOC12-POS	3.6.1	Cisco 2-Port OC-12c/STM-4 POS SPA
SPA-2XOC48POS/RPR	3.6.1	2-Port OC-48c/STM-16c POS/RPR Shared Port Adapter
SPA-2XT3/E3	3.6.1	2-Port T3/E3 Serial SPA†
SPA-3XOC3-ATM-V2	3.6.4	Cisco 2-Port Clear Channel T3/E3 Shared Port Adapter
SPA-4XOC12-POS	3.6.1	Cisco 4-Port OC-12c/STM-4 POS SPA
SPA-4XOC3-POS	3.6.0	Cisco 4-Port OC-3c/STM-1c POS Shared Port Adapter
SPA-4XOC3-POS-V2	3.6.0	4-Port OC-3c/STM-1 POS SPA
SPA-4XOC48POS/RPR	3.6.1	Port OC-48c/STM-16c POS/RPR Shared Port Adapter
SPA-4XT3/E3	3.6.1	Cisco 4-Port Clear Channel T3/E3 Shared Port Adapter
SPA-5X1GE	3.6.1	5-Port Gigabit Ethernet SPA
SPA-5X1GE-V2	3.6.1	5-Port Gigabit Ethernet SPA
SPA-8X1GE	3.6.0	8-port Gigabit Ethernet Shared Port Adapter
SPA-8X1GE-V2	3.6.1	Cisco 8-Port Gigabit Ethernet Shared Port Adapter

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SPA-8XCHT1/E1	3.6.1	8-Port Channelized T1/E1 SPA
SPA-8XOC12-POS	3.6.1	Cisco 8-Port OC-12c/STM-4 POS SPA
SPA-8XOC3-POS	3.6.0	8-Port OC-3c/STM-1 POS SPA
SPA-OC192POS-LR	3.6.1	Cisco 1-Port OC-192c/STM-64c POS/RPR Shared Port Adapter with LR Optics
SPA-OC192POS-VSR	3.6.1	Cisco 1-Port OC-192c/STM-64c POS/RPR Shared Port Adapter with VSR Optics
SPA-OC192POS-XFP	3.6.0	Cisco 1-Port OC-192c/STM-64c POS/RPR Shared Port Adapter with XFP Optics
XENPAK-10GB-ER+	3.7.1.1.0	10GBASE-ER XENPAK transceiver module for SMF, 1550-nm wavelength, SC duplex connector
XENPAK-10GB-LR+	3.7.1	10GBASE-LR XENPAK transceiver module for SMF, 1310-nm wavelength, SC duplex connector (supports DOM)
XFP-10GER-192IR+	3.6.7	Multirate XFP module for 10GBASE-IR and OC192 IR
XFP10GER-192IR-L	3.7.1.1.0	Cisco Multirate XFP transceiver module for 10GBASE-ER and OC-192/STM-64 IR-2 XFP Module for SMF, low power (2.5W)
XFP-10GER-OC192IR	3.6.7	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP10GLR-192SR-L	3.7.1.1.0	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 short-reach (SR-1) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector, low power
XFP-10GLR-OC192SR	3.7.1.1.0	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 short-reach (SR-1) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10G-MM-SR	3.7.1.1.0	Cisco 10GBASE-SR Ethernet XFP transceiver module for MMF, dual LC connector

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
XFP-10GZR-OC192LR	3.6.7	Cisco multirate XFP transceiver module for 10GBASE-ZR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
DWDM-XENPAK-30.33	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1530.33 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-31.12	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1531.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-31.90	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1531.90 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-32.68	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1532.68 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-34.25	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1534.25 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-35.04	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1535.04 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-35.82	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1535.82 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-36.61	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1536.61 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-38.19	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1538.19 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-38.98	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1538.98 nm XENPAK (100-GHz ITU grid)

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-XENPAK-39.77	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1539.77 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-40.56	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1540.56 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-42.14	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1542.14 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-42.94	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1542.94 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-43.73	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1543.73 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-44.53	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1544.53 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-46.12	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1546.12 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-46.92	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1546.92 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-47.72	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1547.72 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-48.51	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1548.51 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-50.12	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1550.12 nm XENPAK (100-GHz ITU grid)

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-XENPAK-50.92	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1550.92 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-51.72	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1551.72 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-52.52	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1552.52 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-54.13	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1554.13 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-54.94	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1554.94 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-55.75	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1555.75 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-56.55	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1556.55 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-58.17	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1558.17 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-58.98	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1558.98 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-59.79	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1559.79 nm XENPAK (100-GHz ITU grid)
DWDM-XENPAK-60.61	Cisco-AN A-3.7.x-D P3	10GBASE-DWDM 1560.61 nm XENPAK (100-GHz ITU grid)

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-16-PRP-12G	Cisco-AN A-3.7.x-D P4	Cisco CRS Series 16-Slot Performance Route Processor (12 GB)
CRS-8-PRP-12G	Cisco-AN A-3.7.x-D P4	Cisco CRS Series 4/8-Slot Line Card Chassis Performance Route Processor (6 GB)
CRS-16-PRP-6G	Cisco-AN A-3.7.x-D P4	Cisco CRS Series 16-Slot Performance Route Processor (6 GB)
CRS-8-PRP-6G	Cisco-AN A-3.7.x-D P4	Cisco CRS Series 4/8-Slot Line Card Chassis Performance Route Processor (12 GB)
CRS-16-FC140/M	Cisco-AN A-3.7.x-D P4	Cisco CRS Series 16 Slots Fabric Card / Multi(140G)
CRS-FCC-SFC-140	Cisco-AN A-3.7.x-D P4	Cisco CRS Series fabric Card Chassis Switch fabric Card(140G)
CRS-LSP	Cisco-AN A-3.7.x-D P6	Cisco CRS Series Label Switch Processor 140G
CRS-16-LCC-B	Cisco-AN A-3.7.x-D P10	CRS 16 Slots Line Card Chassis for CRS-16/S-B
CRS-16-ALARM-B	Cisco-AN A-3.7.x-D P10	CRS 16 Slots Alarm Board for CRS-16/S-B
CRS-16-FAN-CT	Cisco-AN A-3.7.x-D P10	CRS 16 Slots Alarm Board for CRS-16/S-B
CRS-16-PWRSH-DC	Cisco-AN A-3.7.x-D P10	CRS 16 slots DC Power Shelf for CRS-16/S-B

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-16-PWRSH-AC	Cisco-AN A-3.7.x-D P10	CRS 16 slots AC Power Shelf for CRS-16/S-B
CRS-16-FANTRAY	Cisco-AN A-3.7.x-D P10	CRS 16 Slot Fan Tray for CRS-16/S-B
†CRS-8-PSH-AC-B	Cisco-AN A-3.7.x-D P16,Prime Network -3.8.xTO3 .9.x-DP12 06	CRS Modular AC Power Shelf for CRS-8/S-B
4-40GE-L/OTN	PrimeNet work-3.8. xTO3.9.x DP1210,P rimeNetw ork-3.10- DP1301	Cisco CRS 4-Port 40 Gigabit Ethernet LAN/OTN Interface Module
1-100GE-DWDM/C	PrimeNet work-3.8. xTO3.9.x DP1210,P rimeNetw ork-3.10- DP1301	Cisco CRS 1-port 100-GE IP over DWDM PLIM
2-40GE-L/OTN	PrimeNet work-3.8. xTO3.9.x DP1301 PrimeNet work-3.11	Cisco CRS 2-Port 40 Gigabit Ethernet LAN/OTN Interface Module

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
6-10GE-WLO-FLEX	PrimeNet work-3.8. xTO3.9.x DP1303 PrimeNet work-3.10 -DP1303	Cisco CRS Series 6x10GbE OTU2 Flex Interface Module
CRS-8-FC140-M	PrimeNet work-3.10 .xTO3.11. x-DP1308 PrimeNet work-4.0- DP1308	Cisco CRS switch fabric card (half-height)
40X10GE-WLO	PrimeNet work-3.10 .xTO3.11. x-DP1405 PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series 40x10GbE Interface Module
4X100GE-LO	PrimeNet work-3.10 .xTO3.11. x-DP1405 PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series 4x100GbE Interface Module

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-LSP-X	PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series Label Switch Processor 400G
CRS-FP-X	PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series Forwarding Processor 400G
CRS-MS-C-X	PrimeNet work-3.10 .xTO3.11. x-DP1405 PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series Modular Services Card 400G
CRS-16-FC400/S	PrimeNet work-3.10 .xTO3.11. x-DP1405 PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series 16 Slots Fabric Card / Single (400G)

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-8-FC400/S	PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	Cisco CRS Series 8 Slots Fabric Card / Single (400G)
CPAK-100G-SR10	PrimeNet work-3.10 .xTO3.11. x-DP1405 PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	100GBASE-SR10 CPAK Module for MMF
CPAK-100G-LR4	PrimeNet work-3.10 .xTO3.11. x-DP1405 PrimeNet work-4.0- DP1405 PrimeNet work-4.1- DP1405	100GBASE-LR4 CPAK Module for SMF

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CFP-100G-SR10	PrimeNetwork-3.10.xTO3.11.x-DP1405 PrimeNetwork-4.0-DP1405 PrimeNetwork-4.1-DP1405	Cisco 100GBASE-SR10 CFP Module for MMF
GLC-LH-SMD	PrimeNetwork-3.10.xTO3.11.x-DP1411 PrimeNetwork-4.0-DP1411 PrimeNetwork-4.1-DP1411	Cisco 1000BASE-LX/LH long-wavelength; with DOM
CRS-16-LCC-F-CT-B	PrimeNetwork-3.10.xTO3.11.x-DP1411 PrimeNetwork-4.1-DP1411	Cisco CRS-1 Fan Controller for 16 Slots LC Chassis Ver B
CRS-CGSE-PLUS	PrimeNetwork-4.0-DP1501,PrimeNetwork-4.1-DP1501,PrimeNetwork-4.2-DP1501	CRS Service Card for CGN, Anti DDoS and SDN

Table 11-72 Supported Modules for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CRS-8-FC400/M	PrimeNetwork-4.0-DP1505,PrimeNetwork-4.1-DP1505,PrimeNetwork-4.2-DP1505	CRS-8-FC400/M
2X100GE-FLEX-40	PrimeNetwork-4.2-DP1701,PrimeNetwork-4.2.2--DP1701,PrimeNetwork-4.2.3-DP1701,PrimeNetwork-4.3-DP1701	2x100GE-FLEX-40
CRS-8-FANTRAY-B	PrimeNetwork 4.3 DP1711,PrimeNetwork 4.3.1 DP1711,PrimeNetwork 4.3.2 DP1711	CRS8slotsFanTray for CRS-8/S-B

Cisco CRS—Supported Technologies

The following technologies are supported by the Cisco CRS in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)

- TDM/DSx, page 11-326
- MPLS, page 11-330
- MPLS-TE, page 11-334
- VPN (VRF), page 11-339
- PWE3, page 11-340
- Security, page 11-342
- Hardware, page 11-342
- Port, page 11-350
- Additional Technologies, page 11-351
- IPoDWDM, page 11-352
- LocalSwitching, page 11-355
- BFD, page 11-355
- Carrier Ethernet, page 11-356
- LLDP, page 11-358
- CDP, page 11-358
- Ethernet OAM, page 11-359
- 6PE, page 11-371
- IPMulticast, page 11-389
- Satellite, page 11-458

Cisco CRS—Supported Service Events

Table 11-73 Supported Service Events for Cisco CRS—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BFD Connectivity Down	3.6.0	N
BFD Connectivity Up	3.6.0	N
BFD Neighbor Loss	3.6.0	N
BFD Neighbor Found	3.6.0	N
BGP Link Down Due to Admin Down	3.6.0	N
BGP Link Down Due to Oper	3.6.0	N
BGP Link Down VRF Due to Admin	3.6.0	N
BGP Link Down VRF Due to Oper	3.6.0	N
BGP Link Up	3.6.0	N
BGP Neighbor Loss Due to Admin	3.6.0	N
BGP Neighbor Loss Due to Oper	3.6.0	N

Table 11-73 Supported Service Events for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
BGP Neighbor Loss VRF Due to Admin	3.6.0	N
BGP Neighbor Loss VRF Due to Oper	3.6.0	N
BGP Neighbor Found	3.6.0	N
BGP Process Down	3.6.0	N
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
Carrier Grade NAT Translations Create Rate	3.7.1	N
Carrier Grade NAT Translations Create Rate Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Translations Create Rate Threshold Normal	3.7.1	N
Carrier Grade NAT Translations Delete Rate Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Translations Delete Rate Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Translations Delete Rate Threshold Normal	3.7.1	N
Carrier Grade NAT Inside-to-Outside Forward Rate	3.7.1	N
Carrier Grade NAT Inside-to-Outside Forward Rate Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Forward Rate Threshold Normal	3.7.1	N
Carrier Grade NAT Outside-to-Inside Forward Rate Higher Threshold Exceeded	3.7.1	N

Table 11-73 Supported Service Events for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Carrier Grade NAT Outside-to-Inside Forward Rate Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Outside-to-Inside Forward Rate Threshold Normal	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Threshold Normal	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Threshold Normal	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Lower Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Threshold Normal	3.7.1	N
CPU Overutilized	3.6.0	N
Device Unsupported	Prime Network 3.8	N

Table 11-73 Supported Service Events for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Device Initializing	Prime Network 3.8	N
EFP Down Due to Error Disabled	3.6.7	N
Fan-Tray Down	Prime Network 3.8	N
Fan-Tray Out	Prime Network 3.8	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Port Down Due to Admin	Prime Network 3.8	N
Power Supply Down	Prime Network 3.8	N
Power Supply Out	Prime Network 3.8	N
Pluggable Transceiver In	Prime Network 3.8	N
Pluggable Transceiver Out	Prime Network 3.8	N
MPLS Link down	Prime Network 4.2.2	N
MPLS Link up	Prime Network 4.2.2	N

Table 11-73 Supported Service Events for Cisco CRS—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
ptp clock mode changed	Prime Network 4.2.2	N
OSPF link down	Prime Network 4.2.2	N
OSPF link up	Prime Network 4.2.2	N

Cisco ASR 9000 Series Aggregation Services Routers

This section includes the following information about Cisco ASR 9000 routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASR 9000 Series Aggregation Services Routers](#)):

This section contains the following topics:

- [Cisco ASR 9000—Supported Software Versions](#), page 11-131
- [Cisco ASR 9000—Supported Topologies](#), page 11-132
- [Cisco ASR 9000—Supported Modules](#), page 11-133
- [Cisco ASR 9000—Supported Technologies](#), page 11-161
- [Cisco ASR 9000—Supported Service Events](#), page 11-162

Cisco ASR 9000—Supported Software Versions



Note

The below listed software versions are supported for ASR 9K Classic (32-bit) IOS XR software.

Table 11-74 Supported Software Versions for Cisco ASR 9000—Cisco Prime Network Version 5.3

Software Version	Product Version
IOX 3.7.2	3.6.0
IOX 3.7.3	3.6.0
IOX 3.9.0	3.6.3
IOX 3.9.1	3.6.1
IOX 3.9.2	3.6.3 ¹
IOX 4.0.0	3.6.3
IOX 4.0.1	3.6.4

Table 11-74 Supported Software Versions for Cisco ASR 9000—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOX 4.0.3	3.6.7
IOX 4.0.4	3.6.4
IOX 4.1.0	3.6.4
IOX 4.1.1	3.6.6 ²
IOX 4.1.2	3.6.7
IOX 4.2.0	3.7
IOX 4.2.1	3.7.1
IOX 4.2.2	3.7 ³
IOX 4.2.3	3.7.0.1
IOX 4.3.1.0	3.7.1.1.0
IOX 4.3.1	3.7.1.1.0 ⁴
IOX 4.3.1.2	3.7.2
IOX 4.3.1.4	3.7.x-DP4
IOX 5.1.0	3.7.x-DP9
IOX 5.1.1	3.7.x-DP4
XR 6.1.1	4.3.1-DP1609
XR 6.1.2	4.3.1-DP1611
XR 6.1.3	4.3.-DP1705
XR 6.1.4	5.0-DP 1707
XR 6.2.2	5.0-DP 1707
XR6.2.3	5.1-DP 1801
XR6.4.1	5.1-DP 1803
XR6.3.2	5.1-DP 1805
IOS XR 6.4.2	4.3-DP 1901
IOS XR 6.5.2	4.3.1-DP 1903
IOS XR 6.5.3	5.0 DP 1909

Cisco ASR 9000—Supported Topologies

Table 11-75 Supported Topologies for Cisco ASR 9000—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1

Table 11-75 Supported Topologies for Cisco ASR 9000—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.0
MPLS	MPLS	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
MLPPP	MLPPP	3.7.1
Physical Layer	Physical Layer	3.6.5
PWE3 (Martini)	PW	3.6.2
VPN (VRF)	VPN	3.6.1
VPN (IPv6)	VPN IPv6	3.7.1
MPLS-TE Tunnel	MPLS-TE	3.6.5
MPLS-TP Tunnel	MPLS-TP	3.8
MPLS-TE Tunnel	P2MP MPLS-TE	3.8
Satellite	Ethernet	4.2
ICCP	Control Link	4.2
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR 9000—Supported Modules

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-1.5KW-DC	3.6.6	ASR-9K 1.5kW DC Power Module
A9K-16T/8-B	3.7.0.1	16-Port 10GE Medium Queue DX Line Card, Requires SFP+s
A9K-2KW-DC	3.6.6	ASR-9K 2kW DC Power Module
A9K-2T20GE-B	3.7	2-Port 10GE, 20-Port GE Line Card, Requires XFPGs and SFPs
A9K-2T20GE-E	3.7	2-Port 10GE, 20-Port GE Extended LC, Req. XFPGs and SFPs
A9K-2T20GE-L	3.7.1.1.0	2-Port 10GE, 20-Port GE Low Queue Combo Line Card, Requires XFPGs for 10GE, SFPs for GE
A9K-3KW-AC	3.6.5	ASR-9K 3kW AC Power Module
A9K-40GE-B	3.6.5	40-Port, GE Line Card, Requires SFPs
A9K-40GE-E	3.6.5	40-Port, GE Line Card, Extended Memory, Requires SFPs

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-40GE-L	3.7	40-Port GE Low Queue Line Card, Requires SFPs
A9K-4T-B	3.6.5	4-Port,10GE Line Card, Requires XFPs
A9K-4T-E	3.6.6	Cisco ASR 9000 Series 4-Port Ten Gigabit Ethernet, extended memory
A9K-4T-L	3.7	4-Port 10GE Low Queue Line Card, Requires XFPs
A9K-8T/4-B	3.6.6	Cisco ASR 9000 Series 8-Port Ten Gigabit Ethernet DX
A9K-8T/4-E	3.6.6	Cisco ASR 9000 Series 8-Port Ten Gigabit Ethernet DX, extended memory
A9K-8T/4-L	3.7	8-Port 10GE DX Low Queue Line Card, Requires XFPs
A9K-8T-B	3.7	8-Port 10GE Line Card, Requires XFPs
A9K-8T-E	3.7	8-Port 10GE Extended Line Card, Requires XFPs
A9K-8T-L	3.7.1	8-Port 10GE Low Queue Line Card, Requires XFPs
A9K-RSP-4G	3.6.6	Route Switch Processor 4G Memory Hard Disc Drive
A9K-RSP-8G	3.7.2	Route Swith Processor 8G memory
A9K-SIP-700	3.7	Cisco ASR 9000 SPA Interface Processor-700
ASR-9006-FAN	3.6.6	Cisco ASR 9000 Series 6-Slot Fan Tray
ASR-9010-FAN	3.6.5	Cisco ASR 9000 Series 10-Slot Fan Tray
CWDM-SFP-1470	3.7.2	Cisco CWDM SFP 1470†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	3.7.2	Cisco CWDM SFP 1490†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	3.7.2	Cisco CWDM SFP 1510†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	3.7.2	Cisco CWDM SFP 1530†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	3.7.2	Cisco CWDM SFP 1550†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	3.7.2	Cisco CWDM SFP 1570†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	3.7.2	Cisco CWDM SFP 1590†nm; Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	3.7.2	Cisco CWDM SFP 1610†nm; Gigabit Ethernet and 1G/2G FC
DWDM-SFP-3033	3.7.2	1000BASE-DWDM 1530.33 nm SFP (100-GHz ITU grid)
DWDM-SFP-3112	3.7.2	1000BASE-DWDM 1531.12 nm SFP (100-GHz ITU grid)

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-3190	3.7.2	1000BASE-DWDM 1531.90 nm SFP (100-GHz ITU grid)
DWDM-SFP-3268	3.7.2	1000BASE-DWDM 1532.68 nm SFP (100-GHz ITU grid)
DWDM-SFP-3425	3.7.2	1000BASE-DWDM 1534.25 nm SFP (100-GHz ITU grid)
DWDM-SFP-3504	3.7.2	1000BASE-DWDM 1535.04 nm SFP (100-GHz ITU grid)
DWDM-SFP-3582	3.7.2	1000BASE-DWDM 1535.82 nm SFP (100-GHz ITU grid)
DWDM-SFP-3661	3.7.2	1000BASE-DWDM 1536.61 nm SFP (100-GHz ITU grid)
DWDM-SFP-3819	3.7.2	1000BASE-DWDM 1538.19 nm SFP (100-GHz ITU grid)
DWDM-SFP-3898	3.7.2	1000BASE-DWDM 1538.98 nm SFP (100-GHz ITU grid)
DWDM-SFP-3977	3.7.2	1000BASE-DWDM 1539.77 nm SFP (100-GHz ITU grid)
DWDM-SFP-4056	3.7.2	1000BASE-DWDM 1540.56 nm SFP (100-GHz ITU grid)
DWDM-SFP-4214	3.7.2	1000BASE-DWDM 1542.14 nm SFP (100-GHz ITU grid)
DWDM-SFP-4294	3.7.2	1000BASE-DWDM 1542.94 nm SFP (100-GHz ITU grid)
DWDM-SFP-4373	3.7.2	1000BASE-DWDM 1543.73 nm SFP (100-GHz ITU grid)
DWDM-SFP-4453	3.7.2	1000BASE-DWDM 1544.53 nm SFP (100-GHz ITU grid)
DWDM-SFP-4612	3.7.2	1000BASE-DWDM 1546.12 nm SFP (100-GHz ITU grid)
DWDM-SFP-4692	3.7.2	1000BASE-DWDM 1546.92 nm SFP (100-GHz ITU grid)
DWDM-SFP-4772	3.7.2	1000BASE-DWDM 1547.72 nm SFP (100-GHz ITU grid)
DWDM-SFP-4851	3.7.2	1000BASE-DWDM 1548.51 nm SFP (100-GHz ITU grid)
DWDM-SFP-5012	3.7.2	1000BASE-DWDM 1550.12 nm SFP (100-GHz ITU grid)
DWDM-SFP-5092	3.7.2	1000BASE-DWDM 1550.92 nm SFP (100-GHz ITU grid)

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-5172	3.7.2	1000BASE-DWDM 1551.72 nm SFP (100-GHz ITU grid)
DWDM-SFP-5252	3.7.2	1000BASE-DWDM 1552.52 nm SFP (100-GHz ITU grid)
DWDM-SFP-5413	3.7.2	1000BASE-DWDM 1554.13 nm SFP (100-GHz ITU grid)
DWDM-SFP-5494	3.7.2	1000BASE-DWDM 1554.94 nm SFP (100-GHz ITU grid)
DWDM-SFP-5575	3.7.2	1000BASE-DWDM 1555.75 nm SFP (100-GHz ITU grid)
DWDM-SFP-5655	3.7.2	1000BASE-DWDM 1556.55 nm SFP (100-GHz ITU grid)
DWDM-SFP-5817	3.7.2	1000BASE-DWDM 1558.17 nm SFP (100-GHz ITU grid)
DWDM-SFP-5898	3.7.2	1000BASE-DWDM 1558.98 nm SFP (100-GHz ITU grid)
DWDM-SFP-5979	3.7.2	1000BASE-DWDM 1559.79 nm SFP (100-GHz ITU grid)
DWDM-SFP-6061	3.7.2	1000BASE-DWDM 1560.61 nm SFP (100-GHz ITU grid)
DWDM-XFP-31.12	3.7.2	10GBASE-DWDM 1531.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.90	3.7.2	10GBASE-DWDM 1531.90 nm XFP (100-GHz ITU grid)
DWDM-XFP-32.68	3.7.2	10GBASE-DWDM 1532.68 nm XFP (100-GHz ITU grid)
DWDM-XFP-34.25	3.7.2	10GBASE-DWDM 1534.25 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.04	3.7.2	10GBASE-DWDM 1535.04 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.82	3.7.2	10GBASE-DWDM 1535.82 nm XFP (100-GHz ITU grid)
DWDM-XFP-36.61	3.7.2	10GBASE-DWDM 1536.61 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.19	3.7.2	10GBASE-DWDM 1538.19 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.98	3.7.2	10GBASE-DWDM 1538.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-39.77	3.7.2	10GBASE-DWDM 1539.77 nm XFP (100-GHz ITU grid)

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-XFP-40.56	3.7.2	10GBASE-DWDM 1540.56 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.14	3.7.2	10GBASE-DWDM 1542.14 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.94	3.7.2	10GBASE-DWDM 1542.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-43.73	3.7.2	10GBASE-DWDM 1543.73 nm XFP (100-GHz ITU grid)
DWDM-XFP-44.53	3.7.2	10GBASE-DWDM 1544.53 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.12	3.7.2	10GBASE-DWDM 1546.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.92	3.7.2	10GBASE-DWDM 1546.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-47.72	3.7.2	10GBASE-DWDM 1547.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-48.51	3.7.2	10GBASE-DWDM 1548.51 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.12	3.7.2	10GBASE-DWDM 1550.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.92	3.7.2	10GBASE-DWDM 1550.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-51.72	3.7.2	10GBASE-DWDM 1551.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-52.52	3.7.2	10GBASE-DWDM 1552.52 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.13	3.7.2	10GBASE-DWDM 1554.13 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.94	3.7.2	10GBASE-DWDM 1554.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-55.75	3.7.2	10GBASE-DWDM 1555.75 nm XFP (100-GHz ITU grid)
DWDM-XFP-56.55	3.7.2	10GBASE-DWDM 1556.55 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.17	3.7.2	10GBASE-DWDM 1558.17 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.98	3.7.2	10GBASE-DWDM 1558.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-59.79	3.7.2	10GBASE-DWDM 1559.79 nm XFP (100-GHz ITU grid)

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-XFP-60.61	3.7.2	10GBASE-DWDM 1560.61 nm XFP (100-GHz ITU grid)
DWDM-XFP-C	3.7.2	10GE Tunable DWDM XFP
GLC-BX-D	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
GLC-BX-U	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-GE-100FX	3.7.2	Cisco 100BASE-FX SFP for Gigabit SFP ports
SFP-10G-ER	3.7.2	10GBASE-ER 1550 nm SMF
SFP-GE-L	3.6.6	1000BASE-LX SFP (DOM), MMF, 550/220m
SFP-GE-S	3.6.5	1000BASE-SX SFP (DOM), MMF, 550/220m
SFP-GE-T	3.7	1000BASE-T SFP (Network Equipment Building Standards [NEBS] 3), unshielded twisted pair (UTP), 100m
SFP-GE-Z	3.6.6	1000BASE-ZX SFP (DOM), MMF, 550/220m
SFP-OC12-IR1	3.7	OC-12/STM-4 pluggable intermediate-reach (15 km) transceiver module, 1310-nm wavelength
SFP-OC12-LR1	3.7	OC-12/STM-4 pluggable long-reach (40 km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC12-LR2	3.7	OC-12/STM-4 pluggable long-reach (80 km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC12-MM	3.7	OC-12/STM-4 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, MMF, LC connector
SFP-OC12-SR	3.7	OC-12/STM-4 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-IR1	3.7.2	OC-3/STM-1 pluggable intermediate-reach (15†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-LR1	3.7.2	OC-3/STM-1 pluggable long-reach (40†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC3-LR2	3.7.2	OC-3/STM-1 pluggable long-reach (80†km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC3-MM	3.7.2	OC-3/STM-1 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, MMF, LC connector

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SFP-OC3-SR	3.7.2	OC-3/STM-1 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC48-IR1	3.7.2	OC-48c/STM-16 pluggable intermediate-reach (15†km) transceiver module, 1310-nm wavelength, LC connector
SFP-OC48-LR2	3.7.2	OC-48c/STM-16 pluggable long-reach (80†km) transceiver module, 1550-nm wavelength, LC connector
SFP-OC48-SR	3.7.2	OC-48c/STM-16 pluggable short-reach (2†km) transceiver module, 1310-nm wavelength, LC connector
SPA-1XCHOC48/DS3	3.7.2	1 port channelized OC48 to DS3 Shared Port Adapter
SPA-1XCHSTM1/OC3	3.7.2	1-port Channelized STM1/OC3 to DS0 SPA
SPA-2XCHOC12/DS0	3.7	2 port channelized OC12 to DS0 Shared Port Adapter
SPA-2XOC48POS/RPR	3.7.2	2-port OC 48/STM16 POS/RPR Shared Port Adapter
SPA-2XT3/E3	3.7.2	2-port Clear Channel T3/E3 SPA
SPA-4XOC3-POS-V2	3.7.2	4-port OC-3c/STM-1c POS SPA version 2
SPA-4XT3/E3	3.7.2	4-port Clear Channel T3/E3 SPA
SPA-8XOC12-POS	3.7.2	8-port OC12/STM4 POS Shared Port Adapter
SPA-8XOC3-POS	3.7.2	8-port OC-3c/STM-1c POS SPA
SPA-OC192POS-XFP	3.7.2	1-port OC192/STM64 POS/RPR XFP Optics
XFP-10GER-192IR+	3.6.6	Cisco Multirate 10GBASE-ER and OC-192/STM-64 IR-2 XFP Module
XFP-10GER-OC192IR	3.7.1	Cisco multirate XFP transceiver module for 10GBASE-ER Ethernet and OC-192/STM-64 intermediate-reach (IR-2) Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10GLR-OC192SR	3.6.6	Multirate XFP module for 10GBASE-LR and OC192 SR-1
XFP-10G-MM-SR	3.7	Cisco 10GBASE-SR XFP transceiver module for MMF, 850-nm wavelength, dual LC connector
XFP-10GZR-OC192LR	3.6.6	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
DWDM-XFP-30.33	3.7.2	10GBASE-DWDM 1530.33 nm XFP (100-GHz ITU grid)
SFP-10G-LR	Cisco-AN A-3.7.2-D P3	10GBASE-LR SFP+ transceiver module for SMF, 1310-nm wavelength, LC duplex connector

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SFP-10G-SR	Cisco-AN A-3.7.2-D P3	10GBASE-SR SFP+ transceiver module for MMF, 850-nm wavelength, LC duplex connector
A9K-SIM-100	Cisco-AN A-3.7.x-D P4	ASR9K Advanced Video Streaming Module
SPA-4XCT3/DS0	Cisco-AN A-3.7.x-D P4	4-port Channelized T3 to DS0 Shared Port Adapter
SPA-8XCHT1/E1	Cisco-AN A-3.7.x-D P4	8-port Channelized T1/E1 to DS0 Shared Port Adapter
A9K-SAM-2TB	Cisco-AN A-3.7.x-D P6	Cisco ASR 9000 Series Service Acceleration Module
A9K-24X10GE-TR	PrimeNet work-3.8.X-DP2, Cisco-AN A3.7.X-D P11	Cisco ASR 9000 24-Port 10 GE Packet Transport Optimized Line Card, Requires SFP+ optics
A9K-24X10GE-SE	PrimeNet work-3.8.X-DP2, Cisco-AN A3.7.X-D P11	Cisco ASR 9000 24-Port 10 GE Service Edge Optimized Line Card, Requires SFP+ optics
XFP-10GLR-OC192SR	PrimeNet work-3.8.X-DP2, Cisco-AN A3.7.X-D P11	Cisco 10 Gigabit Ethernet LR (10 km) Optics
SPA-3XOC3-ATM-V2	PrimeNet work-3.8.X-DP2, Cisco-AN A3.7.X-D P11	3-port OC3c SFP Optics ATM Shared Port Adapter
SPA-1XOC12-ATM-V2	PrimeNet work-3.8.X-DP2, Cisco-AN A3.7.X-D P11	1-port OC12c SFP Optics ATM Shared Port Adapter

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SPA-1CHOC3-CE-ATM	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	1-port Channelized OC3/STM-1 ATM + Circuit Emulation SP
SPA-1XOC3-ATM-V2	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	1-port OC3c SFP Optics ATM Shared Port Adapter
A9K-RSP440-TR	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	Route Switch Processor 440 G bandwidth optimized for packet transport
A9K-RSP440-SE	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	Route Switch Processor 440 G bandwidth optimized for service edge
A9K-MPA-2X10GE	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 2-port 10GE Modular Port Adapter
A9K-MPA-20X1GE	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 20-port 1GE Modular Port Adapter
A9K-MPA-4X10GE†	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 4-port 10GE Modular Port Adapter

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-MOD80-TR	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 MOD80 Modular Linecard, Packet Transport Optimized
A9K-MOD80-SE	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 MOD80 Modular Linecard, Service Edge Optimized
A9K-MOD160-SE	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 MOD160 Modular Linecard, Service Edge Optimized
A9K-2X100GE-SE	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 2-port 100GE, Service Edge Optimized LC
A9K-2X100GE-TR	PrimeNet work-3.8. X-DP2, Cisco-AN A3.7.X-D P11	ASR 9000 2-port 100GE, Packet Transport Optimized LC
ASR-9001-FAN	PrimeNet work-3.8. X-DP120 7, Cisco-AN A3.7.X-D P16	ASR 9001 fan-tray
A9K-750W-AC	PrimeNet work-3.8. X-DP120 7, Cisco-AN A3.7.X-D P16	ASR-9K 750W AC Power Module

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-750W-DC	PrimeNet work-3.8.X-DP1207, Cisco-ANA3.7.X-DP16	ASR-9K 750W DC Power Module
ASR9001-RP	PrimeNet work-3.8.X-DP1207, Cisco-ANA3.7.X-DP16	ASR 9001 Route Switch Processor
ASR9001-LC	PrimeNet work-3.8.X-DP1207, Cisco-ANA3.7.X-DP16	ASR 9001 line card
A9K-MODULEV	PrimeNet work-3.8.X-DP1207, Cisco-ANA3.7.X-DP16	ASR 9001 virtual module
ASR-9922-RP-SE	PrimeNet work-3.9.X-DP1208	ASR 9922 Route Processor optimized for service edge
ASR-9922-RP-TR	PrimeNet work-3.9.X-DP1208	ASR 9922 Route Processor for Packet Transport
ASR-9922-SFC110	PrimeNet work-3.9.X-DP8	ASR 9922 Switch Fabric Card/110G
PWR-3KW-AC-V2	PrimeNet work-3.9.X-DP1208	3kW AC Power Module

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR-9922-FAN	PrimeNet work-3.9.X-DP1208	ASR 9922 Fan Tray
A9K-1X100GE-SE	PrimeNet work-3.9.X-DP1208	ASR 9922 1-port 100GE, Service Edge Optimized LC
A9K-1X100GE-TR	PrimeNet work-3.9.X-DP1208	ASR 9922 1-port 100GE, Packet Transport Optimized LC
A9K-36X10GE-SE	PrimeNet work-3.9.X-DP1208	ASR 9922 36-port 10GE, Service Edge Optimized LC
A9K-36X10GE-TR	PrimeNet work-3.9.X-DP1208	ASR 9922 36-port 10GE, Packet Transport Optimized LC
A9K-MPA-2X40GE	PrimeNet work-3.9.X-DP1208	ASR 9000 2-port 40GE Modular Port Adapter
A9K-MPA-1X40GE	PrimeNet work-3.9.X-DP1208	ASR 9000 1-port 40GE Modular Port Adapter
SFP-10G-ZR	PrimeNet work-3.8-3.9.X-DP1301	10GBASE-ZR SFP+ transceiver module for SMF, LC duplex connector
PWR-2KW-DC-V2	PrimeNet work-3.8-3.9.X-DP1303	2kW DC Power Module
A9K-MPA-8X10GE	PrimeNet work-3.10(11)XDP1305	Sabertooth 8X10GE MPA
ASR-9010-FAN-V2	PrimeNet work-3.10(11)XDP1305	RO Fantray V2

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-SIP-700-8G	PrimeNet work-3.10 (11)XDP1 305	8G SIP-700 (Thor)
ASR-9904-FAN	PrimeNet work-3.10 (11)XDP1 310	ASR 9904 Fan Tray
ASR-9912-RP-TR	PrimeNet work-3.10 (11)XDP1 310	ASR 9912 Route Processor for Packet Transport
ASR-9912-RP-SE	PrimeNet work-3.10 (11)XDP1 310	ASR 9912 Route Processor optimized for service edge
ASR-9900-RP-TR	PrimeNet work-3.10 (11)XDP1 310	ASR 9900 Route Processor for Packet Transport
ASR-9900-RP-SE	PrimeNet work-3.10 (11)XDP1 310	ASR 9900 Route Processor optimized for service edge
ASR-9912-FAN	PrimeNet work-3.10 (11)XDP1 310	ASR 9912 Fan Tray
ASR-9912-SFC110	PrimeNet work-3.10 (11)XDP1 310	ASR 9912 Switch Fabric Card/110G
CFP-100G-SR10	PrimeNet work-3.10 (11)XDP1 303	Cisco 100GBASE-SR10 CFP transceiver module for MMF
CFP-100G-LR4	PrimeNet work-3.10 (11)XDP1 303	Cisco 100GBASE-LR4 CFP transceiver module for SMF
SPA-1XOC48POS/RPR	PrimeNet work-3.10 (11)XDP1 403	1-port OC48/STM16 POS/RPR Shared Port Adapters

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SPA-8XCHT1/E1-V2	PrimeNetwork-3.10 (11)XDP1 403	8-port Channelized T1/E1 V2 to DS0 Shared Port Adapter
ONS-SC+-10G-ER†††††	PrimeNetwork-3.10 (11)XDP1 403	10GBASE-ER SFP+ Module for SMF-Commercial Temp
ONS-SC+-10G-SR†††††	PrimeNetwork-3.10 (11)XDP1 403	10GBASE-SR SFP+ Module for MMF-Commercial Temp
ONS-SC+-10G-ZR†††††	PrimeNetwork-3.10 (11)XDP1 403	10GBASE-ZR SFP+ Module for SMF-Commercial Temp
ONS-SC+-10G-LR	PrimeNetwork-3.10 (11)XDP1 403	10GBASE-LR SFP+ Module for SMF-Commercial Temp
DWDM-SFP10G-61.41††	PrimeNetwork-3.10 (11)XDP1 403	10GBASE-DWDM 1561.41 nm SFP+ (100-GHz ITU grid)
CWDM-SFP-1550†	PrimeNetwork-3.10 (11)XDP1 403	SFP
ONS-SC+-10G-30.3†	PrimeNetwork-3.10 (11)XDP1 403	10G MR, SFP+ 1530.33, 100 GHz, LC
ONS-SC+10G-C	PrimeNetwork-3.10 (11)XDP1 403	10G MR, Full C Band Tuneable DWDM SFP+, 50 Ghz, LC
ONS-XC-10G-1610	PrimeNetwork-3.10 (11)XDP1 407,Prime Network4 .0(00X)D P1405	DWDM XFP 1610 nm XFP

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-FE-100EX	PrimeNet work-3.10 (11)XDP1407,Prime Network4.0(00X)DP1405	SFP
GLC-BX40-U-I	PrimeNet work-3.10 (11)XDP1407,Prime Network4.0(00X)DP1405	1000BASE-BX40 SFP, 1310N
GLC-BX80-U-I	PrimeNet work-3.10 (11)XDP1407,Prime Network4.0(00X)DP1405	1000BASE-BX80 SFP, 1490NM
GLC-BX40-D-I	PrimeNet work-3.10 (11)XDP1407,Prime Network4.0(00X)DP1405	1000BASE-BX40 SFP, 1550NM
GLC-BX80-D-I	PrimeNet work-3.10 (11)XDP1407,Prime Network4.0(00X)DP1405	1000BASE-BX80 SFP, 1570NM
GLC-BX40-DA-I	PrimeNet work-3.10 (11)XDP1407,Prime Network4.0(00X)DP1405	1000BASE-BX40 SFP, 1490NM

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CFP-100G-LR4	PrimeNetwork-3.10(11)XDP1411,PrimeNetwork-4.0(00X)XDP1411,PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP00	100GBASE-LR4 CFP Module for SMF
GLC-SX-MMD	PrimeNetwork-3.10(11)XDP1411,PrimeNetwork-4.0(00X)XDP1411,PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP00	Gigabit Ethernet Port
GLC-FE-100FX	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP00	Gigabit Ethernet Port

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-LH-SMD	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP01	Gigabit Ethernet Port
SFP-GE-L	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP02	Long wavelength gigabit ethernet SFP.
GLC-ZX-SMD	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP03	Gigabit Ethernet Port
SFP-10G-LR	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP05	Cisco SFP-10G-LR Cable: 9 micron singlemode Wavelength: 1310nm

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SFP-10G-LR-X	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP06	Cisco SFP-10G-LR-X Cable: 9 micron singlemode Wavelength: 1310nm
XFP-10GLR-OC192SR	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP07	10 Gigabit Ethernet interface
XFP-10GLR-OC192SR	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP08	Ten GigabitEthernet Port
XFP10GLR-192SR-L	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP09	10GE Long Reach / OC192 Short Reach Low Power Single Mode XFP(10KM)

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SFP-10G-ER	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP10	Cisco SFP-10G-ER Cable: 9 micron singlemode Wavelength: 1550nm
XFP-10GER-192IR+	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP11	OC192 XFP Single Mode Intermediate Reach 2 (40km).
XFP-10GER-192IR-L	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP12	10GE Extended Reach / OC192 Intermediate Reach Low Power Single Mode XFP (40KM)
XFP-10GZR-OC192LR	PrimeNetwork-4.1(00X)XDP1411,PrimeNetwork-4.2(00X)DP00,PrimeNetwork-4.2(01)DP14	OC192 XFP Single Mode Long Reach 2 (80km).

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-GE-DR-LX	PrimeNetwork-3.10.xTO3.11.x-DP1411,PrimeNetwork-4.0-DP1411,PrimeNetwork-4.1-DP1411	10/1000BASE-LX SFP transceiver module,1310nm,*100/1000BASE.*LX.*
A9K-40GE-SE	PrimeNetwork-3.10.xTO3.11.x-DP1411,PrimeNetwork-4.0-DP1411,PrimeNetwork-4.1-DP1411	
ASR-9922-FAN-V2	PrimeNetwork-4.0-DP1501,PrimeNetwork-4.1-DP1501,PrimeNetwork-4.2-DP1501	
GLC-EX-SMD	PrimeNetwork-4.1-DP1501,PrimeNetwork-4.2-DP1501	
CFP-100G-ER4	PrimeNetwork-4.1-DP1501,PrimeNetwork-4.2-DP1501	
SFP-10G-SR-X	PrimeNetwork-4.1-DP1501,PrimeNetwork-4.2-DP1501	

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR-9006-FAN-V2	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
ASR-9010-FAN-V2	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
A99-RP2-SE	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
A99-RP2-TR	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	ASR 99 Route Processor for Packet Transport

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A99-SFC2	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
A9K-RSP880-TR	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
A9K-RSP880-SE	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
PWR-6KW-AC-V3	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
PWR-4.4KW-DC-V3	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
A9K-8X100GE-L-SE	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	Cisco ASR 9000 Series 8-Port 100 Gigabit Ethernet Line Card
CPAK-100G-SR10	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
CPAK-100G-LR4	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CPAK-10X10G-LR	PrimeNetwork-4.0(00X)XDP1503,PrimeNetwork-4.1(00X)XDP1503,PrimeNetwork-4.2(00X)DP1503	
A9K-8X100GE-SE	Prime Network 4.0 DP1505,Prime Network 4.1 DP1505,Prime Network 4.2 DP1505,Prime Network 4.2.1 DP1505,4.2.2	ASR 9000 8-port 100GE service edge optimized line card
A9K-8X100GE-TR	Prime Network 4.0 DP1505,Prime Network 4.1 DP1505,Prime Network 4.2 DP1505,Prime Network 4.2.1 DP1505,4.2.2	ASR 9000 8-port 100GE packet transport optimized line card

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-4X100GE-SE	Prime Network 4.0 DP1505,Prime Network 4.1 DP1505,Prime Network 4.2 DP1505,Prime Network 4.2.1 DP1505,Prime Network 4.2.2	ASR 9000 4-port 100GE service edge optimized line card
A9K-4X100GE-TR	Prime Network 4.0 DP1505,Prime Network 4.1 DP1505,Prime Network 4.2 DP1505,Prime Network 4.2.1 DP1505,Prime Network 4.2.2	ASR 9000 4-port 100GE packet transport optimized line card

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-400G-DWDM-TR	Prime Network 4.0 DP1505,Prime Network 4.1 DP1505,Prime Network 4.2 DP1505,Prime Network 4.2.1 DP1505,Prime Network 4.2.2	
PWR-6K2-AC-V3	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509	6000W AC Power Supply
A9K-AC-PEM-V3	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509	AC - Power Entry Module V3

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9K-DC-PEM-V3	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP150	DC - Power Entry Module V3
CPAK-100G-ER4L	Prime Network-4.3.1-DP1609	CPAK-100G-ER4L
CPAK-10x10G-LR with 2x40G breakout	Prime Network-4.3.1-DP1609	CPAK-10x10G-LR with 2x40G breakout
QSFP-40G-ER4	Prime Network-4.3.1-DP1609	QSFP-40G-ER4
Sureshot MOD400G CM (with Licensing)	Prime Network-4.3.1-DP1609	Sureshot MOD400G CM (with Licensing)
Shockwave ASR-9910 chassis -	Prime Network-4.3.1-DP1609	Shockwave ASR-9910 chassis -
CFP2-100G-ER4	Prime Network-4.3.1-DP1609	CFP2-100G-ER4
ONS-CFP2-WDM	Prime Network-4.3.1-DP1609	ONS-CFP2-WDM
A9KV-V2-DC-A	Prime Network-4.3.1-DP1609	A9KV-V2-DC-A

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A9KV-V2-DC-E	Prime Network-4.3.1-DP1 609	A9KV-V2-DC-E
ASR-9000V-DC-A	Prime Network-4.3.1-DP1 609	ASR-9000V-DC-A
ASR-9000V-DC-E	Prime Network 4.3.1-DP1 609	ASR-9000V-DC-E
A9KV-V2-AC	Prime Network 4.3.1-DP1 609	A9KV-V2-AC
A99-RSP-TR	Prime Network 4.3.1-DP1 611	A99-RSP-TR
A9K-MPA-20x10GE	Prime Network 4.3.1-DP1 611	A9K-MPA-20x10GE
GLC-TE	4.3.2-DP1 702	GLC-TE
SFP-10G-SR-S	4.3.2-DP1 703	SFP-10G-SR-S
SFP-10G-ER-S	4.3.2-DP1 703	SFP-10G-ER-S
SFP-10G-LR-S	4.3.2-DP1 703	SFP-10G-LR-S
A9K-48X10GE-1G-SE	4.3.2-DP1 703	A9K-48X10GE-1G-SE
A9K-48X10GE-1G-TR	4.3.2-DP1 703	A9K-48X10GE-1G-TR
A9K-24X10GE-1G-SE	4.3.2-DP1 703	A9K-24X10GE-1G-SE
A9K-24X10GE-1G-TR	4.3.2-DP1 703	A9K-24X10GE-1G-TR
NCS5001(Satellite Support)	4.3.2-DP1 705	NCS5001(Satellite Support)

Table 11-76 Supported Modules for Cisco ASR 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NCS5002(Satellite Support)	4.3.2-DP1705	NCS5002(Satellite Support)
NCS5001(Satellite Support)	5.0-DP1707	NCS5001(Satellite Support)
NCS5002(Satellite Support)	5.0-DP1707	NCS5002(Satellite Support)
A9K-RSP880-LT-SE	5.0-DP1709	A9K-RSP880-LT-SE
A9K-RSP880-LT-TR	5.0-DP1709	A9K-RSP880-LT-TR

Cisco ASR 9000—Supported Technologies

The following technologies are supported by the Cisco ASR 9000 in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [MPLS-TP, page 11-336](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Serial, page 11-471](#)
- [IPoDWDM, page 11-352](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [LLDP, page 11-358](#)
- [CDP, page 11-358](#)
- [Discovery Protocol, page 11-472](#)
- [Ethernet OAM, page 11-359](#)

- [AccessGatewayService](#), page 11-370
- [6PE](#), page 11-371
- [MLACP](#), page 11-372
- [AAA](#), page 11-373
- [BNG](#), page 11-384
- [DHCP](#), page 11-385
- [Dynamic Config Templates](#), page 11-386
- [QoS](#), page 11-387
- [BNG,DHCP,QoS](#), page 11-472
- [IPMulticast](#), page 11-389
- [Satellite](#), page 11-458
- [PWHEInterface](#), page 11-460
- [ClusterIRL](#), page 11-460
- [RLFA](#), page 11-461

Cisco ASR 9000—Supported Service Events

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to Low Polling Rate Due to CPU High Usage	3.6.0	N
VNE Switched Back to Regular Polling Rate	3.6.0	N
VNE Switched to a Limited Investigation Mode Due to High CPU Usage		N
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BFD Connectivity Down	3.8	N
BFD Connectivity Up	3.8	N
BFD Neighbor Loss	3.8	N
BFD Neighbor Found		N
BGP Link Down Due to Admin Down	3.8	N
BGP Link Down Due to Oper	3.8	N
BGP Link Down VRF Due to Admin	3.8	N
BGP Link Down VRF Due to Oper	3.8	N
BGP Link Up	3.8	Y
BGP Neighbor Loss Due to Admin	3.8	N

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BGP Neighbor Loss Due to Oper	3.8	N
BGP Neighbor Loss VRF Due to Admin	3.8	N
BGP Neighbor Loss VRF Due to Oper	3.8	N
BGP Neighbor Found	3.8	N
BGP Process Down	3.8	N
BGP Process Up	3.8	N
Broken LSP Discovered	3.8	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card Out due to Chassis Disconnected	Prime Network 3.9	N
Sub Card Out due to Chassis Disconnected	Prime Network 3.9	N
Card In	3.6.0	Y
Carrier Grade NAT Inside-to-Outside Drops Port Limit Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Higher Threshold Exceeded	3.7.1	N
Chassis Disconnected	Prime Network 3.9	N
Chassis Connected	Prime Network 3.9	N
Component Reachable	3.8	N
Component Unreachable	3.8	N
Device Partially Managed	3.8	N
CPU Overutilized	3.6.0	N
CPU Normal Utilization	3.8	N
Device Unsupported	3.8	N

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Device Initializing	3.8	N
EFP Down Due to Error Disabled	3.6.7	N
Fan-Tray Down	3.8	N
Fan Down	3.8	N
Fan-Tray Up	3.8	N
Fan-Tray Out	3.8	N
Fan-Tray In	3.8	N
Fan Out	3.8	N
Fan-Tray Out Due To Chassis Disconnected	3.8	N
Keepalive Not Set	3.8	N
Keepalive Set	3.8	N
GRE Tunnel Down	3.8	N
GRE Tunnel Up	3.8	N
Primary HSRP Interface Is Active	3.8	N
Primary HSRP Interface Is Not Active	3.8	N
Primary HSRP Interface Is Standby	3.8	N
Secondary HSRP Interface Is Active	3.8	N
Secondary HSRP Interface Is Not Active	3.8	N
Interface Status Down GRE Tunnel	3.8	N
Interface Status Down Connection	3.8	N
Interface Status Down Nonconnection	3.8	N
Interface Status Up	3.8	N
Investigation State	3.8	N
IP Pool Exhausted	Prime Network 3.10	N
IP Pool Normal	Prime Network 3.10	N
Lag Admin Down	3.8	N
Lag Oper Down	3.8	N
Lag Up	3.8	N
Lag Link Admin Down	3.8	N
Lag Link Oper Down	3.8	N
Lag Link Down on Unreachable	3.8	N

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Lag Link Up	3.8	N
Layer 2 Tunnel Down	3.6.0	N
Layer 2 Tunnel Up	3.6.0	N
LDP Neighbor Down	3.6.0	N
LDP Neighbor Up	3.6.0	N
Link Down Due to Admin Down	3.6.0	N
Link Down Due to Oper Down	3.6.0	N
Link Down Due to Card Event	3.6.0	N
Link Down on Unreachable	3.6.0	N
Link Up	3.6.0	N
Link Overutilized	3.6.0	N
Link Utilization Normal	3.6.0	N
Local Switching Entry Down	3.8	N
Local Switching Entry Up	3.8	N
Logical Port Down	3.8	N
Logical Port Up	3.8	N
LSP Down	3.8	N
LSP Down Due to Label Mismatch	3.8	N
LSP Down Due to Lock Out	3.8	N
LSP Up	3.8	N
High Priority Member Down	3.8	N
Medium Priority Member Down	3.8	N
Low Priority Member Down	3.8	N
All Members Operationally Up	3.8	N
Memory Overutilized	3.6.0	N
Memory OK	3.6.0	N
MPLS Black Hole Found	3.6.0	N
MPLS Black Hole Cleared	3.6.0	N
MPLS TP Bandwidth Mismatch	3.8	N
MPLS TP bandwidth mismatch cleared	3.8	N
MPLS Interface Added	3.8	N
MPLS Interface Removed	3.8	N
MPLS TE FRR State Changed to Active	3.8	N

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
MPLS TE FRR State Changed to Ready	3.8	N
MPLS TE Tunnel Down	3.8	N
High Priority MPLS TE Tunnel Down	3.8	N
Medium Priority MPLS TE Tunnel Down	3.8	N
Low Priority MPLS TE Tunnel Down	3.8	N
MPLS TE Tunnel Reoptimized	3.8	N
MPLS TE Tunnel Rerouted	3.8	N
MPLS TE Tunnel Up	3.8	N
TP Tunnel Down Due to Admin Down	Prime Network 3.10	N
TP Tunnel Down Due to Oper Down	3.10	N
TP Tunnel Up	Prime Network 3.10	N
Network-Clock Synchronization Enabled	3.8	N
Network-Clock Synchronization Disabled	3.8	N
OSPF Neighbor Down	3.8	N
OSPF Neighbor Up	3.8	N
Port Down Due to Admin	3.8	N
Port Down Due to Oper	3.8	N
Port Down Due to Card Event	3.8	N
Port Up	3.8	N
Power Supply Down	3.8	N
Sub Power Supply Down	3.8	N
Power Supply Up	3.8	N
Power Supply Out	3.8	N
Power Supply In	3.8	N
Sub Power Supply Out	3.8	N
Power Supply Out Due To Chassis Disconnected	3.8	N
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Dormant	3.8	N

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Rx Dormant Normal	3.8	N
Rx Overutilized	3.8	N
Rx Utilization Normal	3.8	N
SONET Path Link Down Due to Admin Down	3.8	N
SONET Path Link Down Due to Oper Down	3.8	N
SONET Path Link Down Due to Card	3.8	N
SONET Path Link Down on Unreachable	3.8	N
SONET Path Link Up	3.8	N
SONET Path Port Down Due to Admin Down	3.8	N
SONET Path Port Down Due to Oper Down	3.8	N
SONET Path Port Down Due to Card	3.8	N
SONET Path Port Up	3.8	N
VSI Oper Down	3.8	N
VSI Admin Down	3.8	N
MPLS-TE LSP Down	3.8	N
MPLS-TE LSP Up	3.8	N
P2MP MPLS-TE LSP Down	Prime Network 4.0	N
P2MP MPLS-TE LSP Up	Prime Network 4.0	N
G8032 ring instance status change	4.2.2	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N
GLC-TE		
Pim Default VRF	5.0 DP 1711	

Table 11-77 Supported Service Events for Cisco ASR 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
%PLATFORM-SFP-2-HIGH_RX_POWER_ALARM : Set Clear	4.3 DP 1807	
%PLATFORM-SFP-2-LOW_RX_POWER_ALARM : Set Clear		
%PLATFORM-SFP-2-HIGH_TX_POWER_ALARM : Set Clear		
%PLATFORM-SFP-2-LOW_TX_POWER_ALARM : Set Clear		
%PLATFORM-XFP-2-HIGH_RX_POWER_ALARM : Set Clear		
%PLATFORM-XFP-2-LOW_RX_POWER_ALARM : Set Clear		
%PLATFORM-XFP-2-HIGH_TX_POWER_ALARM : Set Clear		
%PLATFORM-XFP-2-LOW_TX_POWER_ALARM : Set Clear		
%PLATFORM-CPAK-2-LANE_1_HIGH_RX_POWER_ALARM : Set Clear		
%PLATFORM-CPAK-2-LANE_1_LOW_RX_POWER_ALARM : Set Clear		
%PLATFORM-CPAK-2-LANE_1_HIGH_TX_POWER_ALARM : Set Clear		
%PLATFORM-CPAK-2-LANE_1_LOW_TX_POWER_ALARM : Set Clear		

Cisco ASR 1000 Series Routers

This section includes the following information about Cisco ASR 1000 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASR 1000 Series Routers](#)):

This section contains the following topics:

- [Cisco ASR 1000 Series—Supported Software Versions](#), page 11-169
- [Cisco ASR 1000 Series—Supported Topologies](#), page 11-174
- [Cisco ASR 1000 Series—Supported Modules](#), page 11-175
- [Cisco ASR 1000 Series—Supported Technologies](#), page 11-181
- [Cisco ASR 1000 Series—Supported Service Events](#), page 11-182
- [Cisco ASR 1001 Series—Supported Software Versions](#), page 11-172
- [Cisco ASR 1002 —Supported Software Versions](#), page 11-173
- [Cisco ASR 1004 Series—Supported Software Versions](#), page 11-174
- [Cisco ASR 1006 —Supported Software Versions](#), page 11-174

Cisco ASR 1000 Series—Supported Software Versions

Table 11-78 Supported Software Versions for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 2.2.3 aka 12.2(33)XNB3	3.6.6 ¹
XE 2.3.0 aka 12.2(33)XNC	3.6.6 ²
XE 2.3.1 aka 12.2(33)XNC1	3.6.6 ³
XE 2.3.2 aka 12.2(33)XNC2	3.6.7 ⁴
XE 2.4.0 aka 12.2(33)XND	3.6.7 ⁵
XE 2.4.1 aka 12.2(33)XND1	3.7 ⁶
XE 2.5.0 aka 12.2(33)XNE	3.7 ⁷
XE 2.2.1 aka 12.2(33)XNB1	3.6.5 ⁸
XE 2.2.2 aka 12.2(33)XNB2	3.6.5 ⁹
XE 2.5.1 aka 12.2(33)XNE1	3.7.0.1 ¹⁰
XE 2.4.2 aka 12.2(33)XND2	3.7.0.1
XE 2.4.3.1 aka 12.2(33)XND3	3.7.0.1

Table 11-78 Supported Software Versions for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 2.6.0 aka 12.2(33)XNF	3.7.1
XE 3.1.0 S aka 15.0(1)S	3.7.1
XE 3.1.1 S aka 15.0(1)S1	3.7.1.1
XE 3.2.0S aka 15.1(1)S	3.7.2
XE 3.1.2S aka 15.0(1)S2	3.7.2
XE 3.1.3S aka 15.0(1)S3	3.7.2-DP-2.0
XE 3.3.0S aka 15.1(2)S	3.7.2-DP-3.0
XE 3.3.1S a.k.a 15.1(2)S1	3.7.x-DP-5.0
XE 3.2.2S aka 15.1(1)S2	3.7.2-DP-3.0
XE 2.6.2 aka 12.2(33)XNF2	3.7.2-DP-1.0
XE 2.6.1 aka 12.2(33)XNF1	3.7.2-DP-1.0
XE 2.5.2 aka 12.2(33)XNE2	3.7.2-DP-1.0
XE 2.4.4 aka 12.2(33)XND4	3.7.2-DP-1.0
XE 3.2.1S aka 15.1(1)S1	3.7.2-DP-1.0
XE3.4.1S aka 15.1(3)S1	Cisco-ANA3. 7.X-DP9 , PrimeNetwor k-3.8.X-DP1
XE3.4.2S aka 15.1(3)S2	Cisco-ANA3. 7.X-DP11 , PrimeNetwor k-3.8.X-DP2
XE3.5.0S -- 15.2(1)S	Cisco-ANA3. 7.X-DP10 , PrimeNetwor k-3.8.X-DP1
XE3.3.2S aka 15.1(2)S2	Cisco-ANA3. 7.X-DP8 , PrimeNetwor k-3.8.X-DP1
XE3.1.4S aka 15.0(1)S4	Cisco-ANA3. 7.X-DP6
XE3.4.0S -- 15.1(3)S	Cisco-ANA3. 7.X-DP6

Table 11-78 Supported Software Versions for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE3.6.0S aka 15.2(2)S	Cisco-ANA3.7.X-DP14 , PrimeNetwork-3.8.X-DP5
XE3.5.1S aka 15.2(1)S1	Cisco-ANA3.7.X-DP14 , PrimeNetwork-3.8.X-DP5
XE3.4.3.1S aka 15.1(3)S3	Cisco-ANA3.7.X-DP15 , PrimeNetwork-3.8.X-DP6
XE03.05.02S aka 15.2(1)S2	Cisco-ANA3.7.X-DP18 , PrimeNetwork-3.8.X-3.9.X-DP1208
XE03.07.00S aka 15.2(4)S	Cisco-ANA3.7.X-DP18 , PrimeNetwork-3.8.X-3.9.X-DP1208
XE03.06.01S aka 15.2(2)S1	Cisco-ANA3.7.X-DP18 , PrimeNetwork-3.8.X-3.9.X-DP1208
XE03.04.04S aka 15.1(3)S4	Cisco-ANA3.7.X-DP18 , PrimeNetwork-3.8.X-3.9.X-DP1208
XE03.07.01S aka 15.2(4)S1	Prime Network-3.7.X-DP20 , PrimeNetwork-3.8.X-3.9.X-DP1210
XE 3.8.2S aka 15.3(1)S2	PrimeNetwork-3.10.xTo3.11.x-DP1310 , PrimeNetwork-4.0-DP1310

Table 11-78 Supported Software Versions for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 03.07.04a.S.152-4.S4a	Prime Network 4.1 DP1411
IOS-XE 3.16 15.5(3)S	
IOS-XE 15.5(3)S2	Prime Network DP 1705
IOS-XE 16.7.1	Prime Network 4.3 DP 1801
IOS-XE 16.03.06	Prime Network 4.3 DP 1807
XE 3.16.6	PrimeNetwork 4.3-DP1709
Polaris 16.6.1	PrimeNetwork 4.2.2-DP1707

^{1, 2, 4, 6, 9, 10}Prime Network models pluggable ports for this IOS version.

^{3, 7, 8}Prime Network recognizes all maintenance builds in this IOS release train.Prime Network models pluggable ports for this IOS version.

⁵Prime Network recognizes all maintenance builds in this IOS release train Prime Network models pluggable ports for this IOS version.

Cisco ASR 1001 Series—Supported Software Versions

Table 11-79 Supported Versions for Cisco ASR 1001 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.03.06	Prime Network 4.3 DP 1807

Cisco ASR 1001 - X Series—Supported Software Versions

Table 11-80 Supported Versions for Cisco ASR 1000 -X Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.03.06	Prime Network 4.3 DP 1807

Cisco ASR 1001 - HX Series—Supported Software Versions

Table 11-81 Supported Versions for Cisco ASR 1001 -HX Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.03.06	Prime Network 4.3 DP 1807
XE 16.3.4	Cisco_Prime_Network_4.3.1_DP 1711
XE 16.6.2	Cisco_Prime_Network_4.3.1_DP 1711

Cisco ASR 1002 —Supported Software Versions

Table 11-82 Supported Versions for Cisco ASR 1002 -X Series—Cisco Prime Network Version 5.3

Software Version	Product Version
-XE 15.5.3.S5	DP 1707
IOS-XE 16.03.06	Prime Network 4.3 DP 1807

Cisco ASR 1002 - X Series—Supported Software Versions

Table 11-83 Supported Versions for Cisco ASR 1002 -X Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.03.06	Prime Network 4.3 DP 1807

Cisco ASR 1002 - HX Series—Supported Software Versions

Table 11-84 Supported Versions for Cisco ASR 1002 -HX Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.03.06	Prime Network 4.3 DP 1807
XE 16.3.4	Cisco_Prime_Network_4.3.1_DP 1711
XE 16.6.2	Cisco_Prime_Network_4.3.1_DP 1711

Cisco ASR 1004 Series—Supported Software Versions

Table 11-85 Supported Versions for Cisco ASR 1004 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 15.5.3.S5	Prime Network 5.0 DP 1707
IOS-XE 16.03.06	Prime Network 4.3 DP 1807

Cisco ASR 1006 —Supported Software Versions

Table 11-86 Supported Versions for Cisco ASR 1006 -X Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 15.5.3.S5	DP 1707
IOS-XE 16.03.06	Prime Network 4.3 DP 1807
IOS-XE 3.16.8S/15.5(3)S 8	Prime Network 4.3.1 DP 1907

Cisco ASR 1006 - X Series—Supported Software Versions

Table 11-87 Supported Versions for Cisco ASR 1006 -X Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.03.06	Prime Network 4.3 DP 1807
XE 16.3.4	Cisco_Prime_Network_4.3.1_DP 1711
XE 16.6.2	Cisco_Prime_Network_4.3.1_DP 1711

Cisco ASR 1000 Series—Supported Topologies

Table 11-88 Supported Topologies for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BGP	BGP	3.6.6
Ethernet	Ethernet	3.6.5
MPLS	MPLS	3.6.6
Physical Layer	Physical Layer	3.6.5

Table 11-88 Supported Topologies for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1
VPN (IPv6)	VPN	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR 1000 Series—Supported Modules

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
4XGE-BUILT-IN	3.6.6	Cisco ASR1002 4 Port, Gigabit Ethernet SPA Card
ASR1000-ESP10	3.6.6	Cisco ASR 1000 10Gbps Embedded Services Processor
ASR1000-ESP20	3.6.6	Cisco ASR1000 Embedded Services Processor, 20G,Crypto
ASR1000-ESP40	3.7.1.1	Cisco ASR1000 Embedded Services Processor, 40Gbps
ASR1000-ESP5	3.6.5 ¹	ASR1K Embedded Services Processor,5Gbps,Crypto,ASR1002 only†
ASR1000-RP1	3.6.5 ²	Cisco ASR1000 Route Processor 1, 2GB DRAM
ASR1000-RP2	3.6.6	Cisco ASR1000 Route Processor 2
ASR1000-SIP10	3.6.5 ³	Cisco ASR1000 SPA Interface Processor 10
ASR1000-SIP40	3.7.1.1	Cisco ASR1000 SPA Interface Processor 40
ASR1002-PWR-AC	3.6.6	Cisco ASR 1002 AC Power Supply
ASR1002-PWR-DC	3.6.6	Cisco ASR1002 DC Power Supply
ASR1002-RP1	3.6.6	Cisco ASR1002 Route Processor 1
ASR1002-SIP10	3.6.6	Cisco ASR1002 SIP 10
ASR1004-PWR-AC	3.6.6	Cisco ASR 1004 AC Power Supply
ASR1004-PWR-DC	3.6.6	Cisco ASR 1004 DC Power Supply
ASR1006-PWR-AC	3.6.5	Cisco ASR1006 AC Power Supply
ASR1006-PWR-DC	3.6.6	Cisco ASR 1006 DC Power Supply
ASR1013-PWR-AC	3.7.1.1	Cisco ASR1013 AC Power Supply
ASR1013-PWR-DC	3.7.1.1	Cisco ASR1013 DC Power Supply
CWDM-SFP-1470	3.6.7	Cisco CWDM SFP 1470 nm;Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	3.6.7	Cisco CWDM SFP 1490 nm;Gigabit Ethernet and 1G/2G FC

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1510	3.6.7	Cisco CWDM SFP 1510 nm;Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	3.6.7	Cisco CWDM SFP 1530 nm;Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	3.6.7	Cisco CWDM SFP 1550 nm;Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	3.6.7	Cisco CWDM SFP 1570 nm;Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	3.6.7	Cisco CWDM SFP 1590 nm;Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	3.6.7	Cisco CWDM SFP 1610 nm;Gigabit Ethernet and 1G/2G FC
DWDM-SFP-3033	3.7.1.1	Cisco 1000BASE-DWDM SFP 1530.33 nm
DWDM-SFP-3112	3.7.1.1	Cisco 1000BASE-DWDM SFP 1531.12 nm
DWDM-SFP-3190	3.7.1.1	Cisco 1000BASE-DWDM SFP 1531.90 nm
DWDM-SFP-3268	3.7.1.1	Cisco 1000BASE-DWDM SFP 1532.68 nm
DWDM-SFP-3425	3.7.1.1	Cisco 1000BASE-DWDM SFP 1534.25 nm
DWDM-SFP-3504	3.7.1.1	Cisco 1000BASE-DWDM SFP 1535.04 nm
DWDM-SFP-3582	3.7.1.1	Cisco 1000BASE-DWDM SFP 1535.82 nm
DWDM-SFP-3661	3.7.1.1	Cisco 1000BASE-DWDM SFP 1536.61 nm
DWDM-SFP-3819	3.7.1.1	Cisco 1000BASE-DWDM SFP 1538.19 nm
DWDM-SFP-3898	3.7.1.1	Cisco 1000BASE-DWDM SFP 1539.98 nm
DWDM-SFP-3977	3.7.1.1	Cisco 1000BASE-DWDM SFP 1539.77 nm
DWDM-SFP-4056	3.7.1.1	Cisco 1000BASE-DWDM SFP 1540.56 nm
DWDM-SFP-4214	3.7.1.1	Cisco 1000BASE-DWDM SFP 1542.14 nm
DWDM-SFP-4294	3.7.1.1	Cisco 1000BASE-DWDM SFP 1542.94 nm
DWDM-SFP-4373	3.7.1.1	Cisco 1000BASE-DWDM SFP 1543.73 nm
DWDM-SFP-4453	3.7.1.1	Cisco 1000BASE-DWDM SFP 1544.53 nm
DWDM-SFP-4612	3.7.1.1	Cisco 1000BASE-DWDM SFP 1546.12 nm
DWDM-SFP-4692	3.7.1.1	Cisco 1000BASE-DWDM SFP 1546.92 nm
DWDM-SFP-4772	3.7.1.1	Cisco 1000BASE-DWDM SFP 1547.72 nm
DWDM-SFP-4851	3.7.1.1	Cisco 1000BASE-DWDM SFP 1548.51 nm
DWDM-SFP-5012	3.7.1.1	Cisco 1000BASE-DWDM SFP 1550.12 nm
DWDM-SFP-5092	3.7.1.1	Cisco 1000BASE-DWDM SFP 1550.92 nm
DWDM-SFP-5172	3.7.1.1	Cisco 1000BASE-DWDM SFP 1551.72 nm
DWDM-SFP-5252	3.7.1.1	Cisco 1000BASE-DWDM SFP 1552.52 nm
DWDM-SFP-5413	3.7.1.1	Cisco 1000BASE-DWDM SFP 1554.13 nm

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-5494	3.7.1.1	Cisco 1000BASE-DWDM SFP 1554.94 nm
DWDM-SFP-5575	3.7.1.1	Cisco 1000BASE-DWDM SFP 1555.75 nm
DWDM-SFP-5655	3.7.1.1	Cisco 1000BASE-DWDM SFP 1556.55 nm
DWDM-SFP-5817	3.7.1.1	Cisco 1000BASE-DWDM SFP 1558.17 nm
DWDM-SFP-5898	3.7.1.1	Cisco 1000BASE-DWDM SFP 1558.98 nm
DWDM-SFP-5979	3.7.1.1	Cisco 1000BASE-DWDM SFP 1559.79 nm
DWDM-SFP-6061	3.7.1.1	Cisco 1000BASE-DWDM SFP 1560.61 nm
DWDM-XFP-30.33	3.7.1.1	10GBASE-DWDM 1530.33 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.12	3.7.1.1	10GBASE-DWDM 1531.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-31.90	3.7.1.1	10GBASE-DWDM 1531.90 nm XFP (100-GHz ITU grid)
DWDM-XFP-32.68	3.7.1.1	10GBASE-DWDM 1532.68 nm XFP (100-GHz ITU grid)
DWDM-XFP-34.25	3.7.1.1	10GBASE-DWDM 1534.25 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.04	3.7.1.1	10GBASE-DWDM 1535.04 nm XFP (100-GHz ITU grid)
DWDM-XFP-35.82	3.7.1.1	10GBASE-DWDM 1535.82 nm XFP (100-GHz ITU grid)
DWDM-XFP-36.61	3.7.1.1	10GBASE-DWDM 1536.61 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.19	3.7.1.1	10GBASE-DWDM 1538.19 nm XFP (100-GHz ITU grid)
DWDM-XFP-38.98	3.7.1.1	10GBASE-DWDM 1538.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-39.77	3.7.1.1	10GBASE-DWDM 1539.77 nm XFP (100-GHz ITU grid)
DWDM-XFP-40.56	3.7.1.1	10GBASE-DWDM 1540.56 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.14	3.7.1.1	10GBASE-DWDM 1542.14 nm XFP (100-GHz ITU grid)
DWDM-XFP-42.94	3.7.1.1	10GBASE-DWDM 1542.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-43.73	3.7.1.1	10GBASE-DWDM 1543.73 nm XFP (100-GHz ITU grid)
DWDM-XFP-44.53	3.7.1.1	10GBASE-DWDM 1544.53 nm XFP (100-GHz ITU grid)

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-XFP-46.12	3.7.1.1	10GBASE-DWDM 1546.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-46.92	3.7.1.1	10GBASE-DWDM 1546.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-47.72	3.7.1.1	10GBASE-DWDM 1547.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-48.51	3.7.1.1	10GBASE-DWDM 1548.51 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.12	3.7.1.1	10GBASE-DWDM 1550.12 nm XFP (100-GHz ITU grid)
DWDM-XFP-50.92	3.7.1.1	10GBASE-DWDM 1550.92 nm XFP (100-GHz ITU grid)
DWDM-XFP-51.72	3.7.1.1	10GBASE-DWDM 1551.72 nm XFP (100-GHz ITU grid)
DWDM-XFP-52.52	3.7.1.1	10GBASE-DWDM 1552.52 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.13	3.7.1.1	10GBASE-DWDM 1554.13 nm XFP (100-GHz ITU grid)
DWDM-XFP-54.94	3.7.1.1	10GBASE-DWDM 1554.94 nm XFP (100-GHz ITU grid)
DWDM-XFP-55.75	3.7.1.1	10GBASE-DWDM 1555.75 nm XFP (100-GHz ITU grid)
DWDM-XFP-56.55	3.7.1.1	10GBASE-DWDM 1556.55 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.17	3.7.1.1	10GBASE-DWDM 1558.17 nm XFP (100-GHz ITU grid)
DWDM-XFP-58.98	3.7.1.1	10GBASE-DWDM 1558.98 nm XFP (100-GHz ITU grid)
DWDM-XFP-59.79	3.7.1.1	10GBASE-DWDM 1559.79 nm XFP (100-GHz ITU grid)
DWDM-XFP-60.61	3.7.1.1	10GBASE-DWDM 1560.61 nm XFP (100-GHz ITU grid)
GLC-BX-D	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
GLC-BX-U	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-GE-100FX	3.6.7	100BASE-FX SFP module for Gigabit Ethernet ports, 1310 nm wavelength, 2 km over MMF
SFP-GE-L	3.6.6	Cisco SFP Gigabit Ethernet 1000Base LX
SFP-GE-S	3.6.6	SFP Gigabit Ethernet 1000Base SX
SFP-GE-T	3.6.6	SFP Gigabit Ethernet 1000Base Tx

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SFP-GE-Z	3.6.6	SFP Gigabit Ethernet 1000Base Zx
SFP-OC12-IR1	3.6.6	SFP OC12 Intermaediate Reach
SFP-OC12-LR1	3.6.6	SFP OC12 Long reach 1
SFP-OC12-LR2	3.6.6	Cisco OC 12 SFP Long Reach 2
SFP-OC12-MM	3.6.6	Cisco OC12 STM1 SFP Multimode
SFP-OC12-SR	3.6.6	Cisco OC12 STM1 SFP Short Reach
SFP-OC3-IR1	3.6.6	Cisco OC3 SFP Intermediate Reach
SFP-OC3-LR1	3.6.6	Cisco OC3 STM1 SFP Single Mode Fibre Long ReACH
SFP-OC3-LR2	3.6.6	Cisco OC3 STM1 SFP Single Mode Fibre Long Reach
SFP-OC3-MM	3.6.6	Cisco OC3 SFP Multimode
SFP-OC3-SR	3.6.6	Cisco OC 3 SFP Short Reach
SFP-OC48-IR1	3.6.6	Cisco OC 48 SFP Intermediate Reach 1
SFP-OC48-LR2	3.6.6	Cisco OC 48 SFP Long Reach 2
SFP-OC48-SR	3.6.6	SFP OC48 Short Reach
SPA-10XGE-V2	3.6.6	Cisco SPA 10 Port GE Version2
SPA-1X10GE-L-V2	3.6.5 ⁴	Cisco 1-Port 10GE LAN-PHY Shared Port Adapter
SPA-1XCHOC12/DS0	3.7.1	1-Port Channelized OC-12/STM-4 Shared Port Adapter
SPA-1XCHSTM1/OC3	3.6.6	Cisco SPA 1 Port Channelized OC 3 STM 1
SPA-1XOC12-ATM-V2	3.7.1.1	1-port OC12/STM4 ATM Shared Port Adapter
SPA-1XOC12-POS	3.6.6	Cisco 1 Port OC 12 POS
SPA-1XOC3-ATM-V2	3.6.6	Cisco SPA 1 Port OC3 ATM Version3
SPA-1XOC48POS	3.6.7	1-port OC48c/STM16c POS/RPR SFP Optics
SPA-1XOC48POS/RPR	3.6.6	Cisco SPA 1 Port Oc 48 POS RPR
SPA-2X1GE-SYNCE	3.7.2	
SPA-2X1GE-V2	3.6.5 ⁵	Cisco 2-Port Gigabit Ethernet Shared Port Adapter, Version 2
SPA-2XCT3/DS0	3.6.6	Cisco SPA 2 Port Channelised T3/DS0
SPA-2XOC12-POS	3.6.7	2-Port OC-3c/STM-1 and OC-12c/STM-4 POS SPA
SPA-2XOC3-POS	3.6.6	Cisco SPA 2 Port OC3 POS
SPA-2XOC48POS/RPR	3.6.6	Cisco SPA 2 Port OC48 POS
SPA-2XT3/E3	3.6.6	Cisco SPA 2 Port T3/E3 Serial
SPA-3XOC3-ATM-V2	3.6.6	Cisco SPA 3 Port OC3 ATM Version 2
SPA-4X1FE-TX-V2	3.6.6	Cisco 4x 1 Port Fast Ethernet Tx V2

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SPA-4XCT3/DS0	3.6.6	Cisco SPA 4 Port Channelised T3/DS0
SPA-4XOC12-POS	3.6.7	4-port OC-12/STM-4 POS Shared Port Adapters
SPA-4XOC3-POS	3.6.6	Cisco SPA 4 Port OC3 POS
SPA-4XOC48POS/RPR	3.6.6	Cisco SPA 4 Port Oc 48 POS RPR
SPA-4XT3/E3	3.6.6	Cisco SPA 4Port T3/E3
SPA-4XT-SERIAL	3.6.6	Cisco 4 Port Serial SPA
SPA-5X1GE-V2	3.6.6	Cisco SPA 5 x 1 Port Gigabit Ethernet V2
SPA-8X1FE-TX-V2	3.6.5 ⁶	Cisco 8-Port 10BASE-T/100BASE Fast Ethernet Shared Port Adapter, V-2
SPA-8X1GE-V2	3.6.6	Cisco SPA 8 x 1 Port Gigabit Ethernet V2
SPA-8XCHT1/E1	3.6.6	Cisco SPA 8 Port Channelized T1/E1
SPA-8XOC12-POS	3.6.7	8-Port OC-12c/STM-4 Multirate POS SPA
SPA-8XOC3-POS	3.6.7	8-Port OC-3c/STM-1 POS SPA
SPA-DSP	3.7.2	
SPA-OC192POS-XFP	3.6.7	1-port OC192/STM64 POS/RPR XFP Optics
SPA-WMA-K9	3.7.1.1	WebEx Node Shared Port Adapter
XFP-10GER-OC192IR	3.6.6	Multirate XFP module for 10GBASE-IR and OC192 IR
XFP-10GLR-OC192LR	3.6.7	Cisco multirate XFP transceiver module for 10GBASE-LR Ethernet and OC-192/STM-64 long-reach Packet-over-SONET/SDH (POS) applications, SMF, dual LC connector
XFP-10GLR-OC192SR	3.6.5 ⁷	Multirate XFP module for 10GBASE-LR and OC192 SR-1
XFP-10G-MM-SR	3.7	Cisco 10GBASE-SR XFP transceiver module for MMF, 850-nm wavelength, dual LC connector
XFP-10GZR-OC192LR	3.6.6	Multirate XFP module for 10GBASE-LR and OC192 LR
SPA-1CHOC3-CE-ATM	3.7.2(DP3) ⁸	1-port Channelized OC3/STM1 Circuit Emulation/ATM SPA
SPA-1X10GE-WL-V2	3.7.2(DP3) ⁹	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-24CHT1-CE-ATM	Cisco-AN A3.7.X-D P7 ¹⁰	
SPA-2CHT3-CE-ATM	Cisco-AN A3.7.X-D P7 ¹¹	

Table 11-89 Supported Modules for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR1000-ESP100	PrimeNet work-3.10 .xTo3.11. x-DP1407 , PrimeNet work-4.0-DP1407 , PrimeNet work-4.1-DP1407,PrimeNet work-4.2-DP0 ¹²	Cisco ASR1000 Embedded Services Processor, 100G
ASR1000-ESP10-N	PrimeNet work-3.10 .xTo3.11. x-DP1407 , PrimeNet work-4.0-DP1407 , PrimeNet work-4.1-DP1407,PrimeNet work-4.2-DP0 ¹³	Cisco ASR1K Embedded Services Processor,10G,Non Crypto

^{1, 2, 3, 4, 5, 6, 7}Also tested on ASR1004

^{8, 9, 10, 11, 13}Tested on ASR 1002

¹²Tested on ASR 1006

Cisco ASR 1000 Series—Supported Technologies

The following technologies are supported by the Cisco ASR 1000 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)

- SONET/SDH, page 11-325
- TDM/DSx, page 11-326
- MPLS, page 11-330
- MPLS-TE, page 11-334
- VPN (VRF), page 11-339
- PWE3, page 11-340
- Security, page 11-342
- Hardware, page 11-342
- Port, page 11-350
- Additional Technologies, page 11-351
- IPoDWDM, page 11-352
- BFD, page 11-355
- Carrier Ethernet, page 11-356
- CDP, page 11-358
- SBC, page 11-364
- 6PE, page 11-371
- 6rd, page 11-371
- IPSec, page 11-372
- IPMulticast, page 11-389

Cisco ASR 1000 Series—Supported Service Events

Table 11-90 Supported Service Events for Cisco ASR 1000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Active IP Interfaces Found	3.6.5	Y
All IP Interfaces Down	3.6.5	Y
Card Down	3.6.5	Y
Card In	3.6.5	Y
Card Out	3.6.5	Y
Card Up	3.6.5	Y
Device Unsupported	3.6.5	N
Dropped packet rate exceeded upper threshold	3.6.5	N
Link up	3.6.5	N

Cisco MWR 2900 Series Mobile Wireless Routers

This section includes the following information about Cisco MWR 2941 routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco MWR 2900 Series Mobile Wireless Routers](#)):

This section contains the following topics:

- [Cisco MWR 2941—Supported Software Versions, page 11-183](#)
- [Cisco MWR 2941—Supported Topologies, page 11-185](#)
- [Cisco MWR 2941—Supported Modules, page 11-185](#)
- [Cisco MWR 2941—Supported Technologies, page 11-188](#)
- [Cisco MWR 2941—Supported Service Events, page 11-188](#)

Cisco MWR 2941—Supported Software Versions

Table 11-91 Supported Software Versions for Cisco MWR 2941—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(33)MRA	3.7 ¹
12.4(19)MR2	3.6.6 ²
12.4(20)MR	3.6.7 ³
15.0(1)MR	3.7.2 ⁴
12.4(20)MR2	3.7.1.1 ⁵
12.2(33)MRB1	3.7.2-DP-1.0 ⁶
12.2(33)MRB2	3.7.2-DP-1.0 ⁷
12.2(33)MRB3	3.7.2-DP-1.0 ⁸
12.4(20)MRA1	3.7.2-DP-1.0 ⁹
12.4(20)MRB	3.7.2-DP-1.0 ¹⁰
12.4(19)MR3	3.7.2-DP-1.0 ¹¹
12.4(20)MR1	3.7.2-DP-1.0 ¹²
12.2(33)MRB4	3.7.2-DP-3.0 ¹³
15.1(1)MR	3.7.x-DP-5.0 ¹⁴
15.0(2)MR	3.7.X-DP-4.0

Table 11-91 Supported Software Versions for Cisco MWR 2941—Cisco Prime Network Version 5.3

Software Version	Product Version
12.4(20)MRA	3.7.2-DP-1.0
12.2(33)MRB	3.7.2-DP-1.0
CSR 3.4.2 aka 15.1(1)MR2	Cisco-ANA3.7.X-DP9 , PrimeNetwork-3.8.X-DP1
CSR3.4.1 aka 15.1(1)MR1	Cisco-ANA3.7.X-DP7
15.1(2)S2	Cisco-ANA3.7.X-DP8
15.0(1)MR1	Cisco-ANA3.7.X-DP3
12.2(33)MRB6	Cisco-ANA3.7.X-DP7
CSR3.4.1 aka 15.1(1)MR1	Cisco-ANA3.7.X-DP7
CSR3.4.2 aka 15.1(1)MR2	Cisco-ANA3.7.X-DP9
12.2(33)MRB5	Cisco-ANA3.7.X-DP6
15.1(1)MR3	Cisco-ANA3.7.X-DP12, PrimeNetwork-3.8.X-DP3
15.1(1)MR04	Cisco-ANA3.7.X-DP15, PrimeNetwork-3.8.X-DP6
15.1(3)MR04	PrimeNetwork-4.1-DP1407, PrimeNetwork-3.10.xTo 3.11.x-DP1407, PrimeNetwork-4.0-DP1407
15.0.2-MR	PrimeNetwork-4.1-DP1407, PrimeNetwork-3.10.xTo 3.11.x-DP1407, PrimeNetwork-4.0-DP1407

¹12.2(33)MRA(a.k.a)CSR 3.2; Prime Network models pluggable ports for this IOS version.

^{2,3}Prime Network recognizes all maintenance builds in this IOS release train.Prime Network models pluggable ports for this IOS version.

⁴Prime Network recognizes and models the devices with 15.0(01)MR or CSR3.3

⁵Prime Network recognizes and models the devices with 12.4(20)MR2

⁶Prime Network recognizes and models the devices with 12.2(33)MRB1

⁷Prime Network recognizes and models the devices with 12.2(33)MRB2

⁸Prime Network recognizes and models the devices with 12.2(33)MRB3

⁹Prime Network recognizes and models the devices with 12.4(20)MRA1

¹⁰Prime Network recognizes and models the devices with 12.4(20)MRB

¹¹Prime Network recognizes and models the devices with 12.4(19)MR3

¹²Prime Network recognizes and models the devices with 12.4(20)MR1

¹³Prime Network recognizes and models the devices with 12.2(33)MRB4

¹⁴Prime Network recognizes and models the devices with 15.1(1)MR

Cisco MWR 2941—Supported Topologies

Table 11-92 Supported Topologies for Cisco MWR 2941—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.6
BFD	BFD	3.7.1
BGP	BGP	3.6.6
Ethernet	Ethernet	3.6.6
Framerelay	Framerelay	3.6.6
MLPPP	MLPPP	3.7.1
MPLS	MPLS	3.6.6
Physical Layer	Physical Layer	3.6.6
PPP/HDLC	PPP or HDLC	3.6.6
VPN (IPv6)	VPN	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco MWR 2941—Supported Modules

Table 11-93 Supported Modules for Cisco MWR 2941—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASM-M2900-TOP	3.6.6	Timing over Packet Accessory Service Module for the Cisco MWR 2900 Series Mobile Wireless Routers
CWDM-SFP-1470	3.7.1	Cisco CWDM SFP 1470 nm
CWDM-SFP-1490	3.7.1	Cisco CWDM SFP 1490 nm

Table 11-93 Supported Modules for Cisco MWR 2941—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1510	3.7.1	Cisco CWDM SFP 1510 nm
CWDM-SFP-1530	3.7.1	Cisco CWDM SFP 1530 nm
CWDM-SFP-1550	3.7.1	Cisco CWDM SFP 1550 nm
CWDM-SFP-1570	3.7.1	Cisco CWDM SFP 1570 nm
CWDM-SFP-1590	3.7.1	Cisco CWDM SFP 1590 nm
CWDM-SFP-1610	3.7.1	Cisco CWDM SFP 1610 nm
DWDM-SFP-3033	3.7.1	Cisco 1000BASE-DWDM SFP 1530.33 nm
DWDM-SFP-3112	3.7.1	Cisco 1000BASE-DWDM SFP 1531.12 nm
DWDM-SFP-3190	3.7.1	Cisco 1000BASE-DWDM SFP 1531.90 nm
DWDM-SFP-3268	3.7.1	Cisco 1000BASE-DWDM SFP 1532.68 nm
DWDM-SFP-3346	3.7.1	Cisco 1000BASE-DWDM SFP 1533.46 nm
DWDM-SFP-3425	3.7.1	Cisco 1000BASE-DWDM SFP 1534.25 nm
DWDM-SFP-3504	3.7.1	Cisco 1000BASE-DWDM SFP 1535.04 nm
DWDM-SFP-3582	3.7.1	Cisco 1000BASE-DWDM SFP 1535.82 nm
DWDM-SFP-3661	3.7.1	Cisco 1000BASE-DWDM SFP 1536.61 nm
DWDM-SFP-3739	3.7.1	Cisco 1000BASE-DWDM SFP 1537.39 nm
DWDM-SFP-3819	3.7.1	Cisco 1000BASE-DWDM SFP 1538.19 nm
DWDM-SFP-3898	3.7.1	Cisco 1000BASE-DWDM SFP 1539.98 nm
DWDM-SFP-3977	3.7.1	Cisco 1000BASE-DWDM SFP 1539.77 nm
DWDM-SFP-4056	3.7.1	Cisco 1000BASE-DWDM SFP 1540.56 nm
DWDM-SFP-4134	3.7.1	Cisco 1000BASE-DWDM SFP 1541.34 nm
DWDM-SFP-4214	3.7.1	Cisco 1000BASE-DWDM SFP 1542.14 nm
DWDM-SFP-4294	3.7.1	Cisco 1000BASE-DWDM SFP 1542.94 nm
DWDM-SFP-4373	3.7.1	Cisco 1000BASE-DWDM SFP 1543.73 nm
DWDM-SFP-4453	3.7.1	Cisco 1000BASE-DWDM SFP 1544.53 nm
DWDM-SFP-4532	3.7.1	Cisco 1000BASE-DWDM SFP 1545.32 nm
DWDM-SFP-4612	3.7.1	Cisco 1000BASE-DWDM SFP 1546.12 nm
DWDM-SFP-4692	3.7.1	Cisco 1000BASE-DWDM SFP 1546.92 nm
DWDM-SFP-4772	3.7.1	Cisco 1000BASE-DWDM SFP 1547.72 nm
DWDM-SFP-4851	3.7.1	Cisco 1000BASE-DWDM SFP 1548.51 nm
DWDM-SFP-4931	3.7.1	Cisco 1000BASE-DWDM SFP 1549.31 nm
DWDM-SFP-5012	3.7.1	Cisco 1000BASE-DWDM SFP 1550.12 nm
DWDM-SFP-5092	3.7.1	Cisco 1000BASE-DWDM SFP 1550.92 nm
DWDM-SFP-5172	3.7.1	Cisco 1000BASE-DWDM SFP 1551.72 nm
DWDM-SFP-5252	3.7.1	Cisco 1000BASE-DWDM SFP 1552.52 nm

Table 11-93 Supported Modules for Cisco MWR 2941—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-5332	3.7.1	Cisco 1000BASE-DWDM SFP 1553.32 nm
DWDM-SFP-5413	3.7.1	Cisco 1000BASE-DWDM SFP 1554.13 nm
DWDM-SFP-5494	3.7.1	Cisco 1000BASE-DWDM SFP 1554.94 nm
DWDM-SFP-5575	3.7.1	Cisco 1000BASE-DWDM SFP 1555.75 nm
DWDM-SFP-5655	3.7.1	Cisco 1000BASE-DWDM SFP 1556.55 nm
DWDM-SFP-5736	3.7.1	Cisco 1000BASE-DWDM SFP 1557.36 nm
DWDM-SFP-5817	3.7.1	Cisco 1000BASE-DWDM SFP 1558.17 nm
DWDM-SFP-5898	3.7.1	Cisco 1000BASE-DWDM SFP 1558.98 nm
DWDM-SFP-5979	3.7.1	Cisco 1000BASE-DWDM SFP 1559.79 nm
DWDM-SFP-6061	3.7.1	Cisco 1000BASE-DWDM SFP 1560.61 nm
DWDM-SFP-6141	3.7.1	Cisco 1000BASE-DWDM SFP 1561.41 nm
GLC-LH-SM	3.6.7	1000 Base LX/LH long reach SFP transceiver
GLC-LX-SM-RGD	3.7.1	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, industrial Ethernet
GLC-SX-MM	3.6.7	1000 Base Sx short wavelength transceiver
GLC-SX-MM-RGD	3.7.1	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, industrial Ethernet
GLC-T	3.6.7	1000 Base T Copper Gigabit ethernet SFP
GLC-ZX-SM	3.6.7	1000 Base Zx extended reach Gigabit ethernet SFP
GLC-ZX-SM-RGD	3.7.1	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, industrial Ethernet
HWIC-1ADSL	3.6.6 ¹	ADSL over POTS
HWIC-1ADSLI	3.6.6 ²	ADSL over ISDN
HWIC-1GE-SFP	3.6.7	HWIC with copper and optical Gigabit ethernet connectivity
HWIC-2SHDSL	3.6.6	HWIC G.SHDSL with annex F+G
HWIC-4SHDSL	3.6.6 ³	HWIC G.SHDSL with annex F+G and IMA.
HWIC-4T1/E1	3.6.6	4 port T1/E1 clear channel HWIC
HWIC-D-9ESW	3.6.7	9 Port FE Switch
MOTHEBOARD FOR 2941	3.6.6	Cisco MWR-2941-DC Motherboard with MPC8347E CPU, Gigabit Ethernet, SFP, BITS and T1/E1 por
SFP-GE-L	3.7 ⁴	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.7 ⁵	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-T	3.7.1	1000BASE-T SFP transceiver module for Category†5 copper wire, extended operating temperature range and DOM support
SFP-GE-Z	3.7 ⁶	1000BASE-Zx Extended reach gigabit ethernet SFP.

Table 11-93 Supported Modules for Cisco MWR 2941—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-EX-SMD	3.7.x-DP-6.0 ⁷	Transceiver 1000BASE-SFP EX-SMD

^{1,2,3}Not Supported on 12.2(33)MRA (CSR3.2)

^{4,5,6}Supported on 12.2(33)MRA (CSR3.2)

⁷Supported on 15.1(1)MR

Cisco MWR 2941—Supported Technologies

The following technologies are supported by the Cisco MWR 2941 in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)

Cisco MWR 2941—Supported Service Events

Table 11-94 Supported Service Events for Cisco MWR 2941—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.6	Y
Active IP Interfaces Found	3.6.6	Y

Table 11-94 Supported Service Events for Cisco MWR 2941—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
IMA Admin Down	3.7	N
ima up	3.7	N
IMA Oper Down	3.7	N
ima oper up	3.7	N
BFD Neighbor Loss	3.7.1	N
BFD Neighbor Found	3.7.1	N
BGP Process Up	3.6.6	N
Card Down	3.6.6	N
Card Up	3.6.6	N
Card Out	3.6.6	N
Card In	3.6.6	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Higher Threshold Exceeded	3.7.1	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Lower Threshold Exceeded	3.7.1	N
CPU Overutilized	3.6.6	N
Device Unsupported	3.6.6	N
DS3 Path Link Down Due to Card	3.7.1	N
DS3 Path Link Up	3.7.1	N
DS3 Path Port Down Due to Admin	3.7.1	N
DS3 Path Port Down Due to Oper	3.7.1	N
DS3 Path Port Down Due to Card	3.7.1	N
EFP Oper Down	3.7.1	N
EFP Up	3.7.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Primary HSRP Interface Is Active	3.7.1	N
Primary HSRP Interface Is Not Active	3.7.1	N
Interface Status Up	3.7.1	N
Lag Admin Down	3.7.1	N
Link Up	3.6.6	N
Local Switching Entry Up	3.7.1	N
Logical Port Down	3.7.1	N
Memory Overutilized	3.6.6	N

Table 11-94 Supported Service Events for Cisco MWR 2941—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
MLPPP Down Due To Admin Down	3.7.1	N
MLPPP Down Due To Oper Down	3.7	N
MLPPP Up	3.7	N
MPLS Black Hole Found	3.6.6	N
MPLS TE Tunnel Down	3.6.6	N
OSPF Neighbor Down	3.6.6	N
OSPF Neighbor Up	3.6.6	N
Port Up	3.7.1	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
VSI Up	3.7.1	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco 1900 Series Integrated Services Router

This section includes the following information about Cisco ISR 1900 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 1900 Series Integrated Services Router](#)):

This section contains the following topics:

- [Cisco ISR 1900 Series—Supported Software Versions, page 11-191](#)
- [Cisco ISR 1900 Series—Supported Topologies, page 11-191](#)
- [Cisco ISR 1900 Series—Supported Modules, page 11-191](#)
- [Cisco ISR 1900 Series—Supported Technologies, page 11-192](#)
- [Cisco ISR 1900 Series—Supported Service Events, page 11-192](#)

Cisco ISR 1900 Series—Supported Software Versions

Table 11-95 Supported Software Versions for Cisco ISR 1900 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(1)T	3.7.1.0.4
IOS 15.1(1)T1	3.7.1.0.4
IOS 15.1(1)T2	3.7.2
IOS 15.1(3)T	3.7.2-DP2
IOS 15.1(1)T3	Prime Network-3.7.2-DP4
IOS 15.3(3)M	PrimeNetwork-4.1-DP1411,PrimeNetwork-4.0-DP1411

Cisco ISR 1900 Series—Supported Topologies

Table 11-96 Supported Topologies for Cisco ISR 1900 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1.0.4
Business	Business	3.7.1.0.4
Ethernet	Ethernet	3.7.1.0.4
Physical Layer	Physical Layer	3.7.1.0.4
VPN (IPv6)	VPN	3.7.1.0.4
L2 Fabric	L2 Fabric Link	4.2

Cisco ISR 1900 Series—Supported Modules

Table 11-97 Supported Modules for Cisco ISR 1900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C1941W MOTHER BOARD 2GE	3.7.1.0.4	Cisco 1941 Motherboard with two Gigabit Ethernet ports router and one WLAN Controller.
PWR-1941-2901-AC	3.7.1.0.4	Cisco 1941 C2901 AC Power Supply.
HWIC-1GE-SFP	3.7.1.0.4	High Speed WAN Interface Card - 1 Port Gigabit Ethernet

Table 11-97 Supported Modules for Cisco ISR 1900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-LH-SM	3.7.1.0.4	1000BASE-LX/LH long-wavelength/long haul; without DOM
C1941 MOTHER BOARD 2GE	3.7.1.0.4	Cisco 1941 motherboard with two Gigabit Ethernet ports router.
PWR-1941-POE	3.7.1.0.4	Cisco 1941 AC Power Supply with Power Over Ethernet (Both system + spare)

Cisco ISR 1900 Series—Supported Technologies

The following technologies are supported by the Cisco ISR 1900 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)

Cisco ISR 1900 Series—Supported Service Events

Table 11-98 Supported Service Events for Cisco ISR 1900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedite
All IP Interfaces Down	3.7.1.0.4	Y
Active IP Interfaces Found	3.7.1.0.4	Y
BFD Neighbor Found	3.7.1.0.4	N
BGP Process Up	3.7.1.0.4	N
Card Down	3.7.1.0.4	Y
Card Up	3.7.1.0.4	Y
Cloud Problem	3.7.1.0.4	N
CPU Overutilized	3.7.1.0.4	N

Table 11-98 Supported Service Events for Cisco ISR 1900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Device Unsupported	3.7.1.0.4	N
Fan-Tray Down	3.8	N
Fan Out	3.8	N
Primary HSRP Interface Is Not Active	3.7.1.0.4	N
Secondary HSRP Interface Is Active	3.7.1.0.4	N
Interface Status Up	3.7.1.0.4	Y
IP Pool Exhausted	3.7.1.0.4	Y
L2TP Peer Is Removed	3.7.1.0.4	N
L2TP Peer Established	3.7.1.0.4	N
LDP Neighbor Down	3.7.1.0.4	N
Link Down Due to Card Event	3.7.1.0.4	N
Local Switching Entry Down	3.7.1.0.4	N
MPLS Black Hole Found	3.7.1.0.4	N
Port Down Due to Card Event	3.7.1.0.4	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N
Tx Dormant Normal	3.7.1.0.4	N
VSI Admin Down	3.7.1.0.4	N
VSI Up	3.7.1.0.4	N

Cisco 2900 Series Integrated Services Router

This section includes the following information about Cisco ISR 2900 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 2900 Series Integrated Services Router](#)):

This section contains the following topics:

- [Cisco ISR 2900 Series—Supported Software Versions, page 11-194](#)
- [Cisco ISR 2900 Series—Supported Topologies, page 11-194](#)
- [Cisco ISR 2900 Series—Supported Modules, page 11-194](#)
- [Cisco ISR 2900 Series—Supported Technologies, page 11-195](#)
- [Cisco ISR 2900 Series—Supported Service Events, page 11-196](#)

Cisco ISR 2900 Series—Supported Software Versions

Table 11-99 Supported Software Versions for Cisco ISR 2900 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(1)T	3.7.1
IOS 15.1(1)T1	3.7.1.0.4
IOS 15.1(1)T2	3.7.2
IOS 15.1(3)T	Prime Network-3.7.2-DP2
IOS 15.1(1)T3	Prime Network -3.7.2-DP4
IOS 15.2(1)T1	Prime Network-3.7.x DP09
IOS-XE 15.5(3)M5	DP1803 ¹
IOS 15.4.3.M4	DP1805 ²

Cisco ISR 2900 Series—Supported Topologies

Table 11-100 Supported Topologies for Cisco ISR 2900 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1
Business	Business	3.7.1
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1
VPN (IPv6)	VPN	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco ISR 2900 Series—Supported Modules

Table 11-101 Supported Modules for Cisco ISR 2900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SM-NM-ADPTR	3.7.1	Network Module Adapter for SM Slot
PWR-2911-AC	3.7.1	C2911 AC Power Supply

Table 11-101 Supported Modules for Cisco ISR 2900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GE-DCARD-ESW	3.7.1	Gigabit(1000BaseT) module for EtherSwitch NM
HWIC-1GE-SFP	3.7.1	High Speed WAN Interface Card - 1 Port Gigabit Ethernet
NME-16ES-1G	3.7.1	NME-16ES-1G: EtherSwitch SM 16 10/100T + 1 GE
PWR-2921-51-AC	3.7.1	C2921/C2951 AC Power Supply
NM-16ESW-1GIG	3.7.1	16-port 10/100 EtherSwitch Network Module with 1 GbE (1000BASE-T) Port
SM-D-ES2-48	3.7.1.0.4	48 10/100 Ethernet port, double-wide Layer 2 enhanced EtherSwitch service module
SM-D-ES3-48-P	3.7.1.0.4	48 10/100 Ethernet port, double-wide Layer 2 and Layer 3 enhanced EtherSwitch service module, with PoE support
SM-D-ES3G-48-P	3.7.1.0.4	48 10/100/1000 Ethernet port, double-wide Layer 2 and Layer 3 enhanced EtherSwitch service module, with PoE support
VWIC2-1MFT-G703	3.7.2	VWIC2-1MFT-G703 - 1-Port RJ-48 Multiflex Trunk - G.703
EHWIC-VA-DSL-A	ANA 3.7.x DP09	
PWR-2921-51-DC	ANA 3.7.x DP14, ANA 3.8.x DP05	C2921/C2951 DC Power Supply
HWIC-16A	DP1803	16-port Asynchronous HWIC ³
SM-ES2-24 ⁵	DP1807	Enhanced EtherSwitch Service Modules ⁴

^{1, 3, 4}Cisco 2921 Series Integrated Services Router

²Cisco 2911 Series Integrated Services Router

⁵SM-ES2-24 will be modelled as a module inside a VNE (Parent) and also as an individual VNE. A Dynamic link will be created between them

Cisco ISR 2900 Series—Supported Technologies

The following technologies are supported by the Cisco ISR 2900 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)

- [Ethernet](#), page 11-302
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [Carrier Ethernet](#), page 11-356
- [CDP](#), page 11-358
- [Ethernet OAM](#), page 11-359

Cisco ISR 2900 Series—Supported Service Events

Table 11-102 Supported Service Events for Cisco ISR 2900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
Cloud Problem	3.7.1	N
CPU Overutilized	3.7.1	N
Device Unsupported	3.7.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.7.1	N
Keepalive Set	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	N
Memory Overutilized	3.7.1	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.7.1	N
Tx Overutilized	3.7.1	N

Cisco 3900 Series Integrated Service Routers

This section includes the following information about Cisco ISR 3900 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 3900 Series Integrated Service Routers](#)):

This section contains the following topics:

- [Cisco ISR 3900 Series—Supported Software Versions, page 11-197](#)
- [Cisco ISR 3900 Series—Supported Topologies, page 11-198](#)
- [Cisco ISR 3900 Series—Supported Modules, page 11-198](#)
- [Cisco ISR 3900 Series—Supported Technologies, page 11-200](#)
- [Cisco ISR 3900 Series—Supported Service Events, page 11-201](#)

Cisco ISR 3900 Series—Supported Software Versions

Table 11-103 Supported Software Versions for Cisco ISR 3900 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(1)T	3.7.1
IOS 15.1(1)T1	3.7.1.0.4
IOS 15.1(1)T2	3.7.2
IOS 15.1(3)T	ANA-3.7.2-D P2
IOS 15.1(1)T3	ANA-3.7.2-D P4
IOS 15.2(1)T1	ANA 3.7.x DP09
IOS 15.2(4)M4	Prime Network 4.0 DP1507,Prim e Network 4.1 DP1507,Prim e Network 4.2 DP1507,Prim e Network 4.2.1 DP1507
IOS 15.4(3)M3	

Cisco ISR 3900 Series—Supported Topologies

Table 11-104 Supported Topologies for Cisco ISR 3900 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1
Business	Business	3.7.1
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1
VPN (IPv6)	VPN	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco ISR 3900 Series—Supported Modules

Table 11-105 Supported Modules for Cisco ISR 3900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C3900-SPE100/K9	3.7.1	Cisco Services Performance Engine 100 for Cisco 3900 ISR
C3900-SPE150/K9	3.7.1	Cisco Services Performance Engine 150 for Cisco 3900 ISR
C3900-SPE200/K9	3.7.1	Cisco Services Performance Engine 200 for Cisco 3900 ISR
C3900-SPE250/K9	3.7.1	Cisco Services Performance Engine 250 for Cisco 3900 ISR
GE-DCARD-ESW	3.7.1	Gigabit(1000BaseT) module for EtherSwitch NM
HWIC-1GE-SFP	3.7.1	High Speed WAN Interface Card - 1 port Gigabit Ethernet SFP slot
NM-16ESW-1GIG	3.7.1	16-port 10/100 EtherSwitch NM with 1 GE (1000BaseT) port
PWR-3900-AC	3.7.1	C3900 AC Power Supply
SM-D-ES2-48	3.7.1.0.4	48 10/100 Ethernet port, double-wide Layer 2 enhanced EtherSwitch service module
SM-D-ES3-48-P	3.7.1.0.4	48 10/100 Ethernet port, double-wide Layer 2 and Layer 3 enhanced EtherSwitch service module, with PoE support
SM-D-ES3G-48-P	3.7.1.0.4	48 10/100/1000 Ethernet port, double-wide Layer 2 and Layer 3 enhanced EtherSwitch service module, with PoE support

Table 11-105 Supported Modules for Cisco ISR 3900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
VWIC3-4MFT-T1/E1	Prime Network 4.0 DP1507,Prime Network 4.1 DP1507,Prime Network 4.2 DP1507,Prime Network 4.2.1 DP1507	
PWR-3900-DC	Prime Network 4.0 DP1507,Prime Network 4.1 DP1507,Prime Network 4.2 DP1507,Prime Network 4.2.1 DP1507	
SM-ES3G-16-P	Prime Network 4.0 DP1507,Prime Network 4.1 DP1507,Prime Network 4.2 DP1507,Prime Network 4.2.1 DP1507	

Table 11-105 Supported Modules for Cisco ISR 3900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SM-2GE-SFP-CU	Prime Network 4.0 DP1507,Prime Network 4.1 DP1507,Prime Network 4.2 DP1507,Prime Network 4.2.1 DP1507	
GLC-FE-100FX		
GLC-FE-100LX		

Cisco ISR 3900 Series—Supported Technologies

The following technologies are supported by the Cisco ISR 3900 Series in Cisco Prime Network Version 5.2:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [PPP, page 11-323](#)
- [TDM/DSx, page 11-326](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)
- [IPMulticast, page 11-389](#)

Cisco ISR 3900 Series—Supported Service Events

Table 11-106 Supported Service Events for Cisco ISR 3900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
Card Out	3.7.1	Y
Card In	3.7.1	Y
CPU Overutilized	3.7.1	N
Device Unsupported	3.7.1	N
DS1 Path Link Down Due to Admin Down	3.7	N
DS1 Path Link Down Due to Oper Down	3.7	N
DS1 Path Link Up	3.7	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.7.1	N
Keepalive Set	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	N
Memory Overutilized	3.7.1	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.7.1	N
VSI Oper Down	3.7.1	N
VSI Admin Down	3.7.1	N

Cisco ME2600x Series Routers

This section includes the following information about Cisco ME2600x routers:

This section contains the following topic:

[Cisco ME2600x—Supported Software Versions, page 11-202](#)

[Cisco ME2600x—Supported Topologies, page 11-202](#)

[Cisco ME2600x—Supported Modules, page 11-202](#)

[Cisco ME2600x—Supported Technologies, page 11-205](#)

[Cisco ME2600x—Supported Service Events, page 11-205](#)

Cisco ME2600x—Supported Software Versions

Table 11-107 Supported Software Versions for Cisco ME2600x—Cisco Prime Network Version 5.3

Software Version	Product Version
15.2(2)SA	Prime Network 03.10(00X)DP1303 Prime Network 4.0 DP1308
IOS 15.4(3)S	Prime Network 4.0 DP1409, Prime Network 3.10.xTo3.11.x DP 1409
IOS -XE 3.12	Prime Network 4.0 DP1407, Prime Network 3.10.xTo3.11.x DP 1407

Cisco ME2600x—Supported Topologies

Table 11-108 Supported Topologies for Cisco ME2600x—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	Prime Network 3.10 DP 1303
LAG	LAG	Prime Network 3.10.xTo3.11.x DP1308 Prime Network 4.0 DP1308
Physical Layer	Physical Layer	Prime Network 3.10 DP 1303
L2 Fabric	L2 Fabric Link	Prime Network 4.2 Everest

Cisco ME2600x—Supported Modules

Table 11-109 Supported Modules for Cisco ME2600x—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ONS-SE-100-LX10	Prime Network 03.10(00X)DP1303	SFP - 100 Mbps Long Reach - 1310 nm - SM - LC, EXT-TEMP
ONS-SI-100-LX10	Prime Network 03.10(00X)DP1303	SFP - 100 Mbps Long Reach - 1310 nm - SM - LC, I-TEMP

Table 11-109 Supported Modules for Cisco ME2600x—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ONS-SI-100-FX	Prime Network 03.10(00X)DP1303	SFP - 100 Mbps Short Reach - 1310 nm - MM - LC, I-TEMP
ONS-SE-100-BX10U	Prime Network 03.10(00X)DP1303	SFP - 10/100 BX-U, EXT
ONS-SE-100-BX10D	Prime Network 03.10(00X)DP1303	SFP - 10/100 BX-D, EXT
GLC-BX-D	Prime Network 03.10(00X)DP1303	1000BASE-BX10 SFP module for single-strand SMF
GLC-BX-U	Prime Network 03.10(00X)DP1303	1000BASE-BX10 SFP module for single-strand SMF
GLC-FE-100BX-D	Prime Network 03.10(00X)DP1303	100BASE-BX10-D SFP module for 100-MB ports
GLC-FE-100BX-U	Prime Network 03.10(00X)DP1303	100BASE-BX10-U SFP module for 100-MB ports
ONS-SI-GE-SX	Prime Network 03.10(00X)DP1303	SFP - 1000BASE-SX Gigabit Ethernet, 850 nm, MM, I-TEMP
ONS-SC-GE-LX	Prime Network 03.10(00X)DP1303	1000BASE LX SFP - 1310 nm - LC - C Temp
ONS-SI-GE-LX	Prime Network 03.10(00X)DP1303	SFP - 1000BASE-LX Gigabit Ethernet
ONS-SI-GE-ZX	Prime Network 03.10(00X)DP1303	SFP - 1000BASE-ZX Gigabit Ethernet
ONS-SE-GE-ZX	Prime Network 03.10(00X)DP1303	SFP - 1000BASE-ZX Gigabit Ethernet
ONS-SE-GE-BXD	Prime Network 03.10(00X)DP1303	SFP - 1000BASE BX D - GE Bidirectional Downstream Ext Temp
ONS-SE-GE-BXU	Prime Network 03.10(00X)DP1303	SFP - 1000BASE-BX U - GE Bidirectional Upstream†- Ext Temp
ONS-SC-GE-BXU	Prime Network 03.10(00X)DP1303	SFP-1000Base BX D- GE Bidirectional Downstream C Temp

Table 11-109 Supported Modules for Cisco ME2600x—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ONS-SC-GE-BXD	Prime Network 03.10(00X)DP1303	SFP-1000Base BX D- GE Bidirectional Upstream C Temp
ONS-SI-GE-EX	Prime Network 03.10(00X)DP1303	SFP - 100Base EX - I-Temp
ONS-SE-ZE-EL	Prime Network 03.10(00X)DP1303	SFP - 10/100/1000 Ethernet BASE-T Multirate Copper RJ-45
ONS-SC-2G-XX.X	Prime Network 03.10(00X)DP1303	OC-48/STM-16
ONS-SE-2G-1470	Prime Network 03.10(00X)DP1303	SFP - OC-48/STM-16/GE
ONS-SE-2G-1610	Prime Network 03.10(00X)DP1303	SFP - OC-48/STM-16/GE
ONS-SC+-10G-SR	Prime Network 03.10(00X)DP1303	SFP+ SR - Commercial Temp
ONS-SC+-10G-ER	Prime Network 03.10(00X)DP1303	SFP+ ER - Commercial Temp
ONS-SC+-10G-LR	Prime Network 03.10(00X)DP1303	SFP+ ER - Commercial Temp
ONS-SE+-10G-LR	Prime Network 03.10(00X)DP1303	SFP+ LR - Commercial Temp
ONS-SC+-10G-LRM	Prime Network 03.10(00X)DP1303	SFP+ LRM - Commercial Temp
ONS-SC+-10G-ZR	Prime Network 03.10(00X)DP1303	SFP+ ZR - Commercial Temp
ONS-SC+-10G-CU1	Prime Network 03.10(00X)DP1303	10GBASE-CU SFP+ Cable 1 Meter
ONS-SC+-10G-CU3	Prime Network 03.10(00X)DP1303	10GBASE-CU SFP+ Cable 3 Meter
ONS-SC+-10G-CU5	Prime Network 03.10(00X)DP1303	10GBASE-CU SFP+ Cable 5 Meter
ONS-SC+-10G-CU7	Prime Network 03.10(00X)DP1303	10GBASE-CU SFP+ Cable 7 Meter
ONS-SC+-10G-30.3	Prime Network 03.10(00X)DP1303	10G MR, SFP+ 1530.33, 100 GHz, LC

Cisco ME2600x—Supported Technologies

The following technologies are supported by the Cisco ME2600x in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Carrier Ethernet, page 11-356](#)

Cisco ME2600x—Supported Service Events

Table 11-110 Supported Service Events for Cisco ME2600x—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to Low Polling Rate Due to CPU High Usage	Prime Network 3.10 DP1303	N
VNE Switched Back to Regular Polling Rate	Prime Network 3.10 DP1303	N
VNE Switched to a Limited Investigation Mode Due to High CPU Usage	Prime Network 3.10 DP1303	N
All IP Interfaces Down	Prime Network 3.10 DP1303	N
Component Reachable	Prime Network 3.10 DP1303	N
Component Unreachable	Prime Network 3.10 DP1303	N
Device Partially Managed	Prime Network 3.10 DP1303	N
CPU Overutilized	Prime Network 3.10 DP1303	N
CPU Normal Utilization	Prime Network 3.10 DP1303	N
Device Unsupported	Prime Network 3.10 DP1303	N

Table 11-110 Supported Service Events for Cisco ME2600x—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Device Initializing	Prime Network 3.10 DP1303	N
EFP Admin Down	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1308	N
EFP Down Due to Error Disabled	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1308	N
EFP Oper Down	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1308	N
EFP Up	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1308	N
Interface Status Up	Prime Network 3.10 DP1303	N
Lag Admin Down	Prime Network 3.10 DP1303	N
Lag Oper Down	Prime Network 3.10 DP1303	N
Lag Up	Prime Network 3.10 DP1303	N
Lag Link Admin Down	Prime Network 3.10 DP1303	N
Lag Link Oper Down	Prime Network 3.10 DP1303	N
Lag Link Down on Unreachable	Prime Network 3.10 DP1303	N
Lag Link Up	Prime Network 3.10 DP1303	N

Table 11-110 Supported Service Events for Cisco ME2600x—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Link Down Due to Admin Down	Prime Network 3.10 DP1303	N
Link Down Due to Oper Down	Prime Network 3.10 DP1303	N
Link Down on Unreachable	Prime Network 3.10 DP1303	N
Link Up	Prime Network 3.10 DP1303	N
OSPF Neighbor Down	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1308	N
OSPF Neighbor Up	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1308	N
Port Down Due to Admin	Prime Network 3.10 DP1303	N
Port Down Due to Oper	Prime Network 3.10 DP1303	N
Port Up	Prime Network 3.10 DP1303	N
Pluggable Transceiver In	Prime Network 3.10 DP1303	N
Pluggable Transceiver Out	Prime Network 3.10 DP1303	N
REP Port Role Failed	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1309	N
REP Port Role Ok	Prime Network 3.10.xTo3.11.x DP 1308 Prime Network 4.0 DP1309	N

Cisco 4000 Series Integrated Service Routers

This section includes the following information about Cisco ISR 4000 Series routers:

This section contains the following topic:

[Cisco ISR 4000 Series—Supported Software Versions, page 11-208](#)

[Cisco ISR 4221 Series—Supported Software Versions, page 11-208](#)

[Cisco ISR 4331 Series—Supported Software Version, page 11-209](#)

[Cisco ISR 4451-X Series—Supported Software Version, page 11-209](#)

Cisco ISR 4000 Series—Supported Software Versions

Table 11-111 Supported Software Versions for Cisco ISR 4000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE16.4.1	4.3.1-DP1611
IOS-XE 15.5(3)S2	4.3.2-DP1705
Polaris 16.6.1	5.0-DP1707
IOS 15.5(3)S4b	Prime Network 4.2.2-Dp1707 ¹

¹ Cisco ISR 4331 Series Routers

Cisco ISR 4221 Series—Supported Software Versions

Table 11-112 Supported Software Versions for Cisco ISR 4221 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 16.4.3	Prime Network 5.0-DP1805

Cisco ISR 4221 Series—Supported Modules

Table 11-113 Supported Modules for Cisco ISR 4221 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ISR4221/K9	Prime Network 5.0 DP 1805	ISR4221/K9
ACS-4220-FANASSY	Prime Network 5.0 1805	Fan Assembly
PWR-4220-AC	Prime Network 5.0 1805	90W AC Power Supply

Cisco ISR 4331 Series—Supported Software Version

Table 11-114 Supported Software Versions for Cisco ISR 4331 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.5(3)S4b	Prime Network 5.0-DP1707
IOS 16.7.1	Prime Network 5.0-DP 1801
IOS 16.3.5	DP 1801
IOS XE 16.03.06	Prime Network 4.3-DP 1807

Cisco ISR 4451-X Series—Supported Software Version

Table 11-115 Supported Software Versions for Cisco ISR 4451 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.5(3)S4b	5.0-DP1707
IOS 16.3.5	5.0-DP1801

Table 11-115 Supported Software Versions for Cisco ISR 4451 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 16.7.1	DP1801
IOS XE 16.03.06	4.3-DP1807
IOS 15.5(3)S4b	Prime Network 4.2.2-DP170 7

Cisco 4700 Series Routers

This section includes the following information about Cisco 4700 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 4700 Series Routers](#)):

This section contains the following topics:

- [Cisco 4700 Series—Supported Topologies](#), page 11-210
- [Cisco 4700 Series—Supported Technologies](#), page 11-210
- [Cisco 4700 Series—Supported Service Events](#), page 11-211

Cisco 4700 Series—Supported Topologies

Table 11-116 Supported Topologies for Cisco 4700 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco 4700 Series—Supported Technologies

The following technologies are supported by the Cisco 4700 Series in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [ATM](#), page 11-319
- [Frame Relay](#), page 11-322
- [PPP](#), page 11-323
- [HDLC](#), page 11-325
- [SONET/SDH](#), page 11-325

- TDM/DSx, page 11-326
- MPLS, page 11-330
- MPLS-TE, page 11-334
- VPN (VRF), page 11-339
- PWE3, page 11-340
- Security, page 11-342
- Hardware, page 11-342
- Port, page 11-350
- IPoDWDM, page 11-352
- BFD, page 11-355
- Carrier Ethernet, page 11-356
- CDP, page 11-358

Cisco 4700 Series—Supported Service Events

Table 11-117 Supported Service Events for Cisco 4700 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	N
Active IP Interfaces Found	3.7.1	N
CPU Overutilized	3.7.1	N
Device Unsupported	3.7.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	N
Memory Overutilized	3.7.1	N
MPLS Black Hole Found	3.7.1	N
MPLS Black Hole Cleared	3.7.1	N
Port Down Due to Admin	3.7.1	N
Port Up	3.7.1	N
Power Supply Down	3.7.1	N
Power Supply Out	3.7.1	N
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N

Cisco ASR901 Series Mobile Wireless Routers

This section includes the following information about Cisco ASR901 routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASR901 Series Mobile Wireless Routers](#)):

This section contains the following topics:

- [Cisco ASR901—Supported Software Versions, page 11-212](#)
- [Cisco ASR901—Supported Topologies, page 11-215](#)
- [Cisco ASR901—Supported Modules, page 11-216](#)
- [Cisco ASR901—Supported Technologies, page 11-224](#)
- [Cisco ASR901—Supported Service Events, page 11-225](#)

Cisco ASR901—Supported Software Versions

Table 11-118 Supported Software Versions for Cisco ASR901—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.1(2)SNG	Cisco-ANA3.7.X-DP10 , PrimeNetwor k-3.8.X-DP1 ¹
IOS 15.1(2)SNH	Cisco-ANA3.7.X-DP12 , PrimeNetwor k-3.8.X-DP3 ²
IOS 15.1(2)SNI†	Cisco-ANA3.7.X-DP15 , PrimeNetwor k-3.8.X-DP6 ³
IOS 15.2(2)SNG	Cisco-ANA3.7.X-build 03.7(00X)DP 19.00.481 , PrimeNetwor k-3.9 3.8 DP 38.39(00x)D P1209.00.48 1, PrimeNetwor k 3.10 ⁴

Table 11-118 Supported Software Versions for Cisco ASR901—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.3(2)S	PrimeNetwork-3.10.xTo3.11.x-DP1305 , PrimeNetwork-3.8.xTo3.9.x-DP1305 , PrimeNetwork-4.0
IOS 15.3(2)S2	PrimeNetwork-3.10.xTo3.11.x-DP1308 , PrimeNetwork-4.0,PrimeNetwork-4.1
IOS 15.3(3)S	PrimeNetwork-3.10.xTo3.11.x-DP1310 , PrimeNetwork-4.0 DP1310,PrimeNetwork-4.1
IOS 15.4(1)S	PrimeNetwork-310xTo311x-DP1401, PrimeNetwork-40x-DP1401
IOS 15.4(2)S	PrimeNetwork-310xTo311x-DP1405, PrimeNetwork-40x-DP1405
IOS 15.4(3)S	PrimeNetwork-310xTo311x-DP1409, PrimeNetwork-40x-DP1409,PrimeNetwork-4.1-DP1409

Table 11-118 Supported Software Versions for Cisco ASR901—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.3(3)S	PrimeNetwork-310xTo311x-DP1409, PrimeNetwork-40x-DP1409, PrimeNetwork-4.1-DP1409
IOS 15.4(2)S1	PrimeNetwork-310xTo311x-DP1407, PrimeNetwork-40x-DP1407, PrimeNetwork-4.1-DP1407
IOS 15.5(1)S	Prime Network 4.0-DP1501, Prime Network-4.1 DP1501, Prime Network 4.2-DP1501
IOS 15.5(3)S	
IOS-XE 15.6(2)SP1	4.3.1-DP 1611
XE 3.18SP2	4.3.2-DP 1703
XE 3.18SP3	5.0-DP 1709
IOS XE 3.18 5SP	Prime Network 4.3.1 DP 1903

^{1,2,3,4}All ASR-901-C capabilities are being tested

Cisco ASR901—Supported Topologies

Table 11-119 Supported Topologies for Cisco ASR901—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
BFD	BFD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
BGP	BGP	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
Ethernet	Ethernet	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
Framerelay	Framerelay	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
MLPPP	MLPPP	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
MPLS	MPLS	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1

Table 11-119 Supported Topologies for Cisco ASR901—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Physical Layer	Physical Layer	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
PPP/HDLC	PPP or HDLC	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
VPN (IPv6)	VPN	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR901—Supported Modules

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-LH-SM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	GE SFP,LC connector LX/LH transceiver
GLC-LX-SM-RGD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000Mbps Single Mode Rugged SFP
GLC-SX-MM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	GE SFP, LC connector SX transceiver

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-SX-MM-RGD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000Mbps Multi-Mode Rugged SFP
GLC-ZX-SM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000BASE-ZX SFP
GLC-ZX-SM-RGD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000BASE-ZX Single Mode RuggedSFP
SFP-GE-L	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000BASE-LX/LH SFP (DOM)
SFP-GE-S	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000BASE-SX SFP (DOM)
SFP-GE-Z	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000BASE-ZX Gigabit Ethernet SFP (DOM)
SFP-GE-T	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1	1000BASE-T SFP (NEBS 3 ESD)

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1470	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1470 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1490 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1510 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1530 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1550 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1570 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1590 NM SFP Gigabit Ethernet and 1G/2G FC

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1610	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1610 NM SFP Gigabit Ethernet and 1G/2G FC
DWDM-SFP-3033	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1530.33 nm SFP (100 GHz ITU grid)
DWDM-SFP-3112	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1531.12 nm SFP (100 GHz ITU grid)
DWDM-SFP-3190	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1531.90 nm SFP (100 GHz ITU grid)
DWDM-SFP-3268	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1532.68 nm SFP (100 GHz ITU grid)
DWDM-SFP-3346	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1533.47 nm SFP (100 GHz ITU grid)
DWDM-SFP-3425	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1534.25 nm SFP (100 GHz ITU grid)

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-3504	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1535.04 nm SFP (100 GHz ITU grid)
DWDM-SFP-3582	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1535.82 nm SFP (100 GHz ITU grid)
DWDM-SFP-3661	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1536.61 nm SFP (100 GHz ITU grid)
DWDM-SFP-3739	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1537.40nm SFP (100 GHz ITU grid)
DWDM-SFP-3819	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1538.19 nm SFP (100 GHz ITU grid)
DWDM-SFP-3898	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1538.98 nm SFP (100 GHz ITU grid)
DWDM-SFP-3977	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1539.77 nm SFP (100 GHz ITU grid)

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-4056	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1540.56 nm SFP (100 GHz ITU grid)
DWDM-SFP-4134	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1541.35nm SFP (100 GHz ITU grid)
DWDM-SFP-4214	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1542.14 nm SFP (100 GHz ITU grid)
DWDM-SFP-4294	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1542.94 nm SFP (100 GHz ITU grid)
DWDM-SFP-4373	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1543.73 nm SFP (100 GHz ITU grid)
DWDM-SFP-4453	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1544.53 nm SFP (100 GHz ITU grid)
DWDM-SFP-4532	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1545.32nm SFP (100 GHz ITU grid)

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-4612	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1546.12 nm SFP (100 GHz ITU grid)
DWDM-SFP-4692	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1546.92 nm SFP (100 GHz ITU grid)
DWDM-SFP-4772	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1547.72 nm SFP (100 GHz ITU grid)
DWDM-SFP-4851	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1548.51 nm SFP (100 GHz ITU grid)
DWDM-SFP-4931	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1549.32nm SFP (100 GHz ITU grid)
DWDM-SFP-5012	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1550.12 nm SFP (100 GHz ITU grid)
DWDM-SFP-5092	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1550.92 nm SFP (100 GHz ITU grid)

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-5172	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1551.72 nm SFP (100 GHz ITU grid)
DWDM-SFP-5252	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1552.52 nm SFP (100 GHz ITU grid)
DWDM-SFP-5332	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1553.33nm SFP (100 GHz ITU grid)
DWDM-SFP-5413	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1554.13 nm SFP (100 GHz ITU grid)
DWDM-SFP-5494	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1554.94 nm SFP (100 GHz ITU grid)
DWDM-SFP-5575	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1555.75 nm SFP (100 GHz ITU grid)
DWDM-SFP-5655	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1556.55 nm SFP (100 GHz ITU grid)

Table 11-120 Supported Modules for Cisco ASR901—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-5736	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1557.36nm SFP (100 GHz ITU grid)
DWDM-SFP-5817	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1558.17 nm SFP (100 GHz ITU grid)
DWDM-SFP-5898	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1558.98 nm SFP (100 GHz ITU grid)
DWDM-SFP-5979	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1559.79 nm SFP (100 GHz ITU grid)
DWDM-SFP-6061	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1560.61 nm SFP (100 GHz ITU grid)
DWDM-SFP-6141	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1561.42 nm SFP (100 GHz ITU grid)

Cisco ASR901—Supported Technologies

The following technologies are supported by the Cisco ASR901 in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [PPP, page 11-323](#)

- TDM/DSx, page 11-326
- MPLS, page 11-330
- MPLS-TE, page 11-334
- VPN (VRF), page 11-339
- PWE3, page 11-340
- Security, page 11-342
- Hardware, page 11-342
- Port, page 11-350
- BFD, page 11-355
- Carrier Ethernet, page 11-356
- CDP, page 11-358
- Ethernet OAM, page 11-359
- QoS, page 11-387
- RLFA, page 11-461

Cisco ASR901—Supported Service Events

Table 11-121 Supported Service Events for Cisco ASR901—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BFD Connectivity Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
BFD Connectivity Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
BFD Neighbor Loss	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N

Table 11-121 Supported Service Events for Cisco ASR901—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BFD Neighbor Found	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BGP Process Down	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BGP Process Up	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
CPU Overutilized	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
CPU Normal Utilization	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
Device Unsupported	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
EFP Admin Down	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N

Table 11-121 Supported Service Events for Cisco ASR901—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
EFP Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Keepalive Not Set	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Keepalive Set	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
GRE Tunnel Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
GRE Tunnel Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Interface Status Down Connection	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Interface Status Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N

Table 11-121 Supported Service Events for Cisco ASR901—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
LDP Neighbor Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	Y
LDP Neighbor Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	Y
Link Down Due to Admin Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Down Due to Oper Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Down Due to Card Event	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Down on Unreachable	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N

Table 11-121 Supported Service Events for Cisco ASR901—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Memory Overutilized	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Memory OK	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
OSPF Neighbor Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
OSPF Neighbor Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Port Down Due to Admin	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Port Down Due to Oper	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Port Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N

Cisco ASR902 Series Routers

This section includes the following information about Cisco ASR 902 Series routers:

This section contains the following topic:

[Cisco ASR902 Series—Supported Software Versions, page 11-230](#)

Cisco ASR902 Series—Supported Software Versions

Table 11-122 Supported Software Versions for Cisco ASR902 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 15.6(2)SP1	4.3.1-DP1611
XE 3.18SP2	4.3.2-DP1703
XE 3.18SP3	5.0-DP 1709
IOS 16.9.2	Prime Network 4.3.1 DP 1905

Cisco ASR903 Series Routers

This section includes the following information about Cisco ASR903 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASR903 Series Routers](#)):

This section contains the following topics:

- [Cisco ASR903 Series—Supported Software Versions, page 11-230](#)
- [Cisco ASR903 Series—Supported Topologies, page 11-233](#)
- [Cisco ASR903 Series—Supported Modules, page 11-233](#)
- [Cisco ASR903 Series—Supported Technologies, page 11-238](#)
- [Cisco ASR903 Series—Supported Service Events, page 11-238](#)

Cisco ASR903 Series—Supported Software Versions

Table 11-123 Supported Software Versions for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.2	3.8-DP2

Table 11-123 Supported Software Versions for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.2(1)S1	Cisco-ANA-3.7.x-DP13, Cisco-ANA-3.8-DP4
IOS 15.2(2)S	Cisco-ANA-3.7.x-DP14, Cisco-ANA-3.8-DP5
IOS 15.2(4)S	Cisco-ANA-3.7.x-DP18, PrimeNetwork-3.8.xTo3.9.x-DP1208
IOS 15.2(4)S1a	PrimeNetwork-3.10-DP1212
IOS 15.3(1)S	PrimeNetwork-3.10-DP1212
IOS 15.2(4)S3	PrimeNetwork-3.10.xTo3.11.x-DP1305 , PrimeNetwork-3.8.xTo3.9.x-DP1305 , PrimeNetwork-4.0
IOS 15.3(2)S	PrimeNetwork-3.10.xTo3.11.x-DP1305 , PrimeNetwork-3.8.xTo3.9.x-DP1305 , PrimeNetwork-4.0
IOS 15.3(3)S	PrimeNetwork-3.10.xTo3.11.x-DP1308 , Prime Network 4.0 DP1308,Prime Network-4.1
IOS 15.2(4)S4	PrimeNetwork-3.10.xTo3.11.x-DP1401 , Prime Network 4.0x-DP1401

Table 11-123 Supported Software Versions for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.4(1)S	PrimeNetwork-3.10xTo3.11x-DP1401, Primenetwork-40x-DP1401
IOS 15.4(3)S	PrimeNetwork-3.10xTo3.11x-DP1409, Primenetwork-40x-DP1409
IOS 15.3(3)S	PrimeNetwork-3.10xTo3.11x-DP1401, Primenetwork-40x-DP1401
IOS 15.3(4)S	PrimeNetwork-3.10xTo3.11x-DP1407, Primenetwork-40x-DP1407
IOS 15.3(4)S	
IOS 15.5(1)S	PrimeNetwork-4.0-DP1501, PrimeNetwork-4.1-DP1501, PrimeNetwork-4.2-DP1501
IOS 15.5(3)S	
IOS 15.6(2)S3v	
IOS-XE 15.6(2)SP1	Prime Network-4.3.1 DP 1611
XE 3.18SP2	DP 1703
XE 3.18SP3	Prime Network 4.3-DP1707
Polaris 16.6.1	Prime Network 4.2.2-DP1707
IOS XE 3.18 5SP / 15.6(2) SP5	Prime Network 4.3.1 DP 1903
IOS 16.9.3	Prime Network 4.3.1 DP 1907

Table 11-123 Supported Software Versions for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 16.12.1	Prime Network 5.0 DP 1911
*IOS 17.1.1	Prime Network 5.0 DP 1911

**Note**

VNE discovery using SSH is not supported due to stronger encryptions enforced in the IOS 17.1.1 version on the ASR 903 device.

Cisco ASR903 Series—Supported Topologies

Table 11-124 Supported Topologies for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.8
BFD	BFD	3.8
BGP	BGP	3.8
Ethernet	Ethernet	3.8
Framerelay	Framerelay	3.8
LAG	LAG	3.8
MLPPP	MLPPP	3.8
MPLS	MPLS	3.8
Physical Layer	Physical Layer	3.8
PPP/HDLC	PPP or HDLC	3.8
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR903 Series—Supported Modules

Table 11-125 Supported Modules for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A903-FAN	3.8-DP2	ASR 903 FAN
A900-PWR550-D	3.8-DP2	ASR 900 500W DC Power Supply

Table 11-125 Supported Modules for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A903-RSP1A-55	3.8-DP2	ASR 900 Route Switch Processor 1, basic service scale, 55Gbps throughput
A903-RSP1B-55	3.8-DP2	ASR 900 Route Switch Processor 1, basic service scale, 55Gbps throughput
A900-IMA8T	3.8-DP2	A900-IMA8T
A900-IMA8S	3.8-DP2	8-port Gigabit Ethernet Interface Module
A900-IMA1X	3.8-DP2	1-port Ten Gigabit Ethernet XFP Interface Module
A900-IMA16D	3.8-DP2	A900-IMA16D
GLC-FE-100FX-RGD	3.8-DP2	100BASE FX-GE
GLC-LX-SM-RGD	3.8-DP2	GE LX
GLC-SX-MM-RGD	3.8-DP2	GE SX
GLC-ZX-SM-RGD	3.8-DP2	GE ZX
GLC-BX-U	3.8-DP2	1000BASE BX10-U
GLC-BX-D	3.8-DP2	1000BASE BX10-D
GLC-EX-SMD	3.8-DP2	GE EX
SFP-GE-T	3.8-DP2	GE T
XFP-10GLR192SR-RGD	3.8-DP2	OC192 + 10GBASE-S
XFP-10GER192IR-RGD	3.8-DP2	OC192 + 10GBASE-E
XFP-10GZR192LR-RGD	3.8-DP2	OC192 + 10GBASE-L
XFP-10G-MM-SR	3.8-DP2	10GBASE-SR
DWDM-XFP-C	3.8-DP2	TUNABLE DWDM XFP
A900-IMA4OS	3.8-DP5	4 port OC3/1 port OC12 IM
SFP-GE-S	3.8-DP5	GE SX
ONS-SI-155-SR-MM	3.8-DP5	OC3 SR-1/STM1 MM
ONS-SI-155-I1	3.8-DP5	OC3 IR-1/STM1 S-1.1
ONS-SI-155-L1	3.8-DP5	OC3 LR-1/STM1 L-1.1
ONS-SI-155-L2	3.8-DP5	OC3 LR-2/STM1 L-1.2
SFP-OC3-MM	3.8-DP5	OC3 SR-1/STM1 MM
ONS-SC-155-EL	3.8-DP5	STM-1E
DWDM-SFP-3033	3.8-DP5	DWDM SFP 1530.33
CWDM-SFP-1610	3.8-DP5	GE CWDM 1610
GLC-ZX-SMD	3.8-DP5	GE ZX
GLC-SX-MMD	3.8-DP5	GE SX
GLC-LH-SMD	3.8-DP5	GE LX
XFP10GLR-192SR-L	3.8-DP5	OC192 + 10GBASE-L
XFP10GER-192IR-L	3.8-DP5	OC192 + 10GBASE-E

Table 11-125 Supported Modules for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
XFP-10GZR-OC192LR	3.8-DP5	OC192 + 10GBASE-Z
SFP-OC3-SR	3.8-DP5	OC3 SR-1/STM1 I-1
SFP-OC3-IR1	3.8-DP5	OC3 IR-1/STM1 S-1.1
DWDM-SFP-6141	3.8-DP5	DWDM SFP 1561_41
CWDM-SFP-1470	3.8-DP5	GE CWDM 1470
A900-IMA8T1Z	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409	8-port Gigabit Ethernet + 1-port Ten Gigabit Ethernet CU Interface Module
A900-IMA8S1Z	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409	8-port Gigabit Ethernet + 1-port Ten Gigabit Ethernet SFP Interface Module
A900-IMA8S	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409	8-port Gigabit Ethernet Interface Module
A900-IMA2Z	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409	RSP2A-64
A900-PWR550-A	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409, PrimeNetwork-4.0-DP1409	ASR 900 550W AC Power Supply

Table 11-125 Supported Modules for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
A900-PWR550-D-E	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409	ASR 900 550W DC Power Supply
A900-IMA32D	PrimeNetwork-4.1-DP1411, PrimeNetwork-4.0-DP1411	32T1/E1
A900IMA2Z	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409	2-port Ten Gigabit Ethernet XFP/SFP+ Interface M
ASR-FAN-E	PrimeNetwork-3.10xTo3.11x-DP1409, PrimeNetwork-4.1-DP1409, PrimeNetwork-4.0-DP1409	ASR-FAN-E
A900-IMA8D	PrimeNetwork-4.0-DP1501, PrimeNetwork-4.1-DP1501, PrimeNetwork-4.2-DP1501	Card - A900-IMA8D

Table 11-125 Supported Modules for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
12XGE-2X10GE-FIXED	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509,PrimeNetwork-4.2.2-DP1509	
A900-IMA6EM	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509,PrimeNetwork-4.2.2-DP1509	
A900-RSP3C-200-S	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509,PrimeNetwork-4.2.2-DP1509	ASR 900 Route Switch Processor 3, 200G, XL Scale
A900-IMA4C3794	Prime Network-4.3.1-DP1609	A900-IMA4C3794
A900-PWR1200-A	Prime Network-4.3.1-DP1611	A900-PWR1200-A

Cisco ASR903 Series—Supported Technologies

The following technologies are supported by the Cisco ASR903 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [MPLS-TP, page 11-336](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)
- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)
- [QoS, page 11-387](#)
- [RLFA, page 11-461](#)

Cisco ASR903 Series—Supported Service Events

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.8	Y
Active IP Interfaces Found	3.8	Y
IMA Admin Down	3.8	N

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
ima up	3.8	N
IMA Oper Down	3.8	N
ima oper up	3.8	N
BFD Connectivity Down	3.8	N
BFD Connectivity Up	3.8	N
BFD Neighbor Loss	3.8	N
BFD Neighbor Found	3.8	N
BGP Link Down Due to Admin Down	3.8	Y
BGP Link Down Due to Oper	3.8	Y
BGP Link Down VRF Due to Admin	3.8	N
BGP Link Down VRF Due to Oper	3.8	N
BGP Link Up	3.8	Y
BGP Neighbor Loss Due to Admin	3.8	N
BGP Neighbor Loss Due to Oper	3.8	N
BGP Neighbor Loss VRF Due to Admin	3.8	N
BGP Neighbor Loss VRF Due to Oper	3.8	N
BGP Neighbor Found	3.8	N
BGP Process Down	3.8	N
BGP Process Up	3.8	N
Card Down	3.8	Y
Card Up	3.8	Y
Card Out	3.8	Y
Card In	3.8	Y
Carrier Grade NAT Translations Create Rate	3.8	N
Carrier Grade NAT Translations Create Rate Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Translations Create Rate Threshold Normal	3.8	N
Carrier Grade NAT Translations Delete Rate Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Translations Delete Rate Lower Threshold Exceeded	3.8	N

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Carrier Grade NAT Translations Delete Rate Threshold Normal	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Threshold Normal	3.8	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Threshold Normal	3.8	N
Device Partially Managed	3.8	N
CPU Overutilized	3.8	N
CPU Normal Utilization	3.8	N
Device Unsupported	3.8	N
Discard Packets	3.8	N
DS0 Bundle Admin Down	3.8	N
DS0 Bundle Oper Down	3.8	N
DS0 Bundle Up	3.8	N
DS1 Path Link Down Due to Admin Down	3.8	N
DS1 Path Link Down Due to Oper Down	3.8	N
DS1 Path Link Down Due to Card	3.8	N
DS1 Path Link Down on Unreachable	3.8	N
DS1 Path Link Up	3.8	N

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
DS1 Path Port Down Due to Admin	3.8	N
DS1 Path Port Down Due to Oper	3.8	N
DS1 Path Port Down Due to Card	3.8	N
DS1 Path Port Up	3.8	N
DS3 Path Link Down Due to Admin Down	3.8	N
DS3 Path Link Down Due to Oper Down	3.8	N
DS3 Path Link Down Due to Card	3.8	N
DS3 Path Link Down on Unreachable	3.8	N
DS3 Path Link Up	3.8	N
DS3 Path Port Down Due to Admin	3.8	N
DS3 Path Port Down Due to Oper	3.8	N
DS3 Path Port Down Due to Card	3.8	N
DS3 Path Port Up	3.8	N
Dual stack IP removed	3.8	N
Dual Stack IP Added	3.8	N
DWDM Controller Down	3.8	N
DWDM Controller Up	3.8	N
DWDM G709 Status Down	3.8	N
DWDM G709 Status Up	3.8	N
EFP Admin Down	3.8	N
EFP Down Due to Error Disabled	3.8	N
EFP Oper Down	3.8	N
EFP Up	3.8	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.8	N
Keepalive Set	3.8	N
GRE Tunnel Down	3.8	N
GRE Tunnel Up	3.8	N
Secondary HSRP Interface Is Active	3.8	N
Secondary HSRP Interface Is Not Active	3.8	N
Interface Status Up	3.8	N
IP Pool Exhausted	3.8	N

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
IP Pool Normal	3.8	N
L2TP Peer Not Established	3.8	N
L2TP Peer Is Removed	3.8	N
L2TP Peer Established	3.8	N
Lag Admin Down	3.8	N
Lag Up	3.8	N
Lag Link Up	3.8	N
Layer 2 Tunnel Down	3.8	N
Layer 2 Tunnel Up	3.8	N
LDP Neighbor Down	3.8	N
LDP Neighbor Up	3.8	N
Link Down Due to Admin Down	3.8	N
Link Down Due to Oper Down	3.8	N
Link Down Due to Card Event	3.8	N
Link Down on Unreachable	3.8	N
Link Up	3.8	N
Link Overutilized	3.8	N
Link Utilization Normal	3.8	N
Local Switching Entry Down	3.8	N
Local Switching Entry Up	3.8	N
Logical Port Down	3.8	N
Logical Port Up	3.8	N
High Priority Member Down	3.8	N
Medium Priority Member Down	3.8	N
Low Priority Member Down	3.8	N
Memory Overutilized	3.8	N
Memory OK	3.8	N
MLPPP Down Due To Admin Down	3.8	N
MLPPP Down Due To Oper Down	3.8	N
MLPPP Up	3.8	N
MPLS Black Hole Found	3.8	N
MPLS Black Hole Cleared	3.8	N
MPLS TP Bandwidth Mismatch	3.8	N
MPLS Interface Added	3.8	Y
MPLS Interface Removed	3.8	Y

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
MPLS TE Tunnel Down	3.8	N
High Priority MPLS TE Tunnel Down	3.8	N
Medium Priority MPLS TE Tunnel Down	3.8	N
Low Priority MPLS TE Tunnel Down	3.8	N
MPLS TE Tunnel Reoptimized	3.8	N
MPLS TE Tunnel Rerouted	3.8	N
MPLS TE Tunnel Up	3.8	N
OSPF Neighbor Down	3.8	N
OSPF Neighbor Up	3.8	N
Port Down Due to Admin	3.8	N
Port Down Due to Oper	3.8	N
Port Down Due to Card Event	3.8	N
Port Up	3.8	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Dormant	3.8	N
Rx Dormant Normal	3.8	N
Rx Overutilized	3.8	N
Rx Utilization Normal	3.8	N
Shelf In	3.8	N
Shelf Out	3.8	N
SONET Path Link Down Due to Admin Down	3.8	N
SONET Path Link Down Due to Oper Down	3.8	N
SONET Path Link Down Due to Card	3.8	N
SONET Path Link Down on Unreachable	3.8	N
SONET Path Link Up	3.8	N
SONET Path Port Down Due to Admin Down	3.8	N
SONET Path Port Down Due to Oper Down	3.8	N

Table 11-126 Supported Service Events for Cisco ASR903 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
SONET Path Port Down Due to Card	3.8	N
SONET Path Port Up	3.8	N
VLAN Subinterface Admin Down	3.8	N
VLAN Subinterface Up	3.8	N
Tx Dormant	3.8	N
Tx Dormant Normal	3.8	N
Tx Overutilized	3.8	N
Tx Utilization Normal	3.8	N
VSI Admin Down	3.8	N
VSI Up	3.8	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N
cseShutDownNotify	Prime Network 5.0 DP 1909	N
cseHaRestartNotify	Prime Network 5.0 DP 1909	N

Cisco ASR907 Series Routers

This section includes the following information about Cisco ASR 907 Series routers:

This section contains the following topic:

- [Cisco ASR907 Series—Supported Software Versions, page 11-245](#)
- [Cisco ASR907—Supported Topologies, page 11-245](#)
- [Cisco ASR907—Supported Modules, page 11-247](#)
- [Cisco ASR907—Supported Technologies, page 11-255](#)
- [Cisco ASR907—Supported Service Events, page 11-256](#)

Cisco ASR907 Series—Supported Software Versions

Table 11-127 Supported Software Versions for Cisco ASR907 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE16.4.1	4.3.1-DP1611
XE 3.18SP2	4.3.2-DP1703
XE 3.18SP3	5.0-DP 1709

Cisco ASR907—Supported Topologies

Table 11-128 Supported Topologies for Cisco ASR907—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1
BFD	BFD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1
BGP	BGP	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1
Ethernet	Ethernet	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8.X-DP1

Table 11-128 Supported Topologies for Cisco ASR907—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Framerelay	Framerelay	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
MLPPP	MLPPP	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
MPLS	MPLS	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
Physical Layer	Physical Layer	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
PPP/HDLC	PPP or HDLC	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
VPN (IPv6)	VPN	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR907—Supported Modules

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-LH-SM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	GE SFP,LC connector LX/LH transceiver
GLC-LX-SM-RGD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000Mbps Single Mode Rugged SFP
GLC-SX-MM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	GE SFP, LC connector SX transceiver
GLC-SX-MM-RGD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000Mbps Multi-Mode Rugged SFP
GLC-ZX-SM	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000BASE-ZX SFP
GLC-ZX-SM-RGD	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000BASE-ZX Single Mode RuggedSFP
SFP-GE-L	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000BASE-LX/LH SFP (DOM)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SFP-GE-S	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000BASE-SX SFP (DOM)
SFP-GE-Z	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000BASE-ZX Gigabit Ethernet SFP (DOM)
SFP-GE-T	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	1000BASE-T SFP (NEBS 3 ESD)
CWDM-SFP-1470	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1470 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1490 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1510 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1530 NM SFP Gigabit Ethernet and 1G/2G FC

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1550	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1550 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1570 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1590 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	CWDM 1610 NM SFP Gigabit Ethernet and 1G/2G FC
DWDM-SFP-3033	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1530.33 nm SFP (100 GHz ITU grid)
DWDM-SFP-3112	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1531.12 nm SFP (100 GHz ITU grid)
DWDM-SFP-3190	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1531.90 nm SFP (100 GHz ITU grid)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-3268	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1532.68 nm SFP (100 GHz ITU grid)
DWDM-SFP-3346	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1533.47 nm SFP (100 GHz ITU grid)
DWDM-SFP-3425	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1534.25 nm SFP (100 GHz ITU grid)
DWDM-SFP-3504	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1535.04 nm SFP (100 GHz ITU grid)
DWDM-SFP-3582	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1535.82 nm SFP (100 GHz ITU grid)
DWDM-SFP-3661	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1536.61 nm SFP (100 GHz ITU grid)
DWDM-SFP-3739	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1537.40nm SFP (100 GHz ITU grid)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-3819	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1538.19 nm SFP (100 GHz ITU grid)
DWDM-SFP-3898	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1538.98 nm SFP (100 GHz ITU grid)
DWDM-SFP-3977	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1539.77 nm SFP (100 GHz ITU grid)
DWDM-SFP-4056	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1540.56 nm SFP (100 GHz ITU grid)
DWDM-SFP-4134	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1541.35nm SFP (100 GHz ITU grid)
DWDM-SFP-4214	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1542.14 nm SFP (100 GHz ITU grid)
DWDM-SFP-4294	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1542.94 nm SFP (100 GHz ITU grid)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-4373	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1543.73 nm SFP (100 GHz ITU grid)
DWDM-SFP-4453	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1544.53 nm SFP (100 GHz ITU grid)
DWDM-SFP-4532	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1545.32nm SFP (100 GHz ITU grid)
DWDM-SFP-4612	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1546.12 nm SFP (100 GHz ITU grid)
DWDM-SFP-4692	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1546.92 nm SFP (100 GHz ITU grid)
DWDM-SFP-4772	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1547.72 nm SFP (100 GHz ITU grid)
DWDM-SFP-4851	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1548.51 nm SFP (100 GHz ITU grid)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-4931	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1549.32nm SFP (100 GHz ITU grid)
DWDM-SFP-5012	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1550.12 nm SFP (100 GHz ITU grid)
DWDM-SFP-5092	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1550.92 nm SFP (100 GHz ITU grid)
DWDM-SFP-5172	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1551.72 nm SFP (100 GHz ITU grid)
DWDM-SFP-5252	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1552.52 nm SFP (100 GHz ITU grid)
DWDM-SFP-5332	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1553.33nm SFP (100 GHz ITU grid)
DWDM-SFP-5413	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1554.13 nm SFP (100 GHz ITU grid)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-5494	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1554.94 nm SFP (100 GHz ITU grid)
DWDM-SFP-5575	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1555.75 nm SFP (100 GHz ITU grid)
DWDM-SFP-5655	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1556.55 nm SFP (100 GHz ITU grid)
DWDM-SFP-5736	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1557.36nm SFP (100 GHz ITU grid)
DWDM-SFP-5817	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1558.17 nm SFP (100 GHz ITU grid)
DWDM-SFP-5898	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1558.98 nm SFP (100 GHz ITU grid)
DWDM-SFP-5979	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	DWDM SFP 1559.79 nm SFP (100 GHz ITU grid)

Table 11-129 Supported Modules for Cisco ASR907—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
DWDM-SFP-6061	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1560.61 nm SFP (100 GHz ITU grid)
DWDM-SFP-6141	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	DWDM SFP 1561.42 nm SFP (100 GHz ITU grid)

Cisco ASR907—Supported Technologies

The following technologies are supported by the Cisco ASR907 in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [PPP](#), page 11-323
- [TDM/DSx](#), page 11-326
- [MPLS](#), page 11-330
- [MPLS-TE](#), page 11-334
- [VPN \(VRF\)](#), page 11-339
- [PWE3](#), page 11-340
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [BFD](#), page 11-355
- [Carrier Ethernet](#), page 11-356
- [CDP](#), page 11-358
- [Ethernet OAM](#), page 11-359
- [QoS](#), page 11-387
- [RLFA](#), page 11-461

Cisco ASR907—Supported Service Events

Table 11-130 Supported Service Events for Cisco ASR907—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BFD Connectivity Down	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BFD Connectivity Up	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BFD Neighbor Loss	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BFD Neighbor Found	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BGP Process Down	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
BGP Process Up	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
CPU Overutilized	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N

Table 11-130 Supported Service Events for Cisco ASR907—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
CPU Normal Utilization	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Device Unsupported	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
EFP Admin Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
EFP Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Keepalive Not Set	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Keepalive Set	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
GRE Tunnel Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N

Table 11-130 Supported Service Events for Cisco ASR907—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
GRE Tunnel Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Interface Status Down Connection	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Interface Status Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
LDP Neighbor Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	Y
LDP Neighbor Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	Y
Link Down Due to Admin Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Down Due to Oper Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N

Table 11-130 Supported Service Events for Cisco ASR907—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Link Down Due to Card Event	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Down on Unreachable	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Link Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Memory Overutilized	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
Memory OK	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
OSPF Neighbor Down	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N
OSPF Neighbor Up	Cisco-AN A3.7.X-D P10 , PrimeNet work-3.8. X-DP1	N

Table 11-130 Supported Service Events for Cisco ASR907—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Port Down Due to Admin	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
Port Down Due to Oper	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
Port Up	Cisco-AN A3.7.X-D P10 , PrimeNetwork-3.8.X-DP1	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N

Cisco ASR920 Series Routers

This section includes the following information about Cisco ASR920 Series routers:

This section contains the following topic:

- [Cisco ASR920 Series—Supported Software Versions, page 11-260](#)
- [Cisco ASR920 Series—Supported Topologies, page 11-261](#)
- [Cisco ASR920 Series—Supported Modules, page 11-262](#)
- [Cisco ASR920 Series—Supported Technologies, page 11-263](#)
- [Cisco ASR920 Series—Supported Service Events, page 11-264](#)

Cisco ASR920 Series—Supported Software Versions

Table 11-131 Supported Software Versions for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS-XE 15.6(2)SP1	4.3.1-DP1611

Table 11-131 Supported Software Versions for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 3.18SP3	5.0-DP 1709
Polaris 16.6.1	5.0-DP 1707
XE 16.7.1	DP 1801 ¹
IOS-XE 3.18.4SP/ 15.6(2)SP4	Prime Network 4.3-DP1809
IOS-XE 3.18 5SP/ 15.6(2)SP5	Prime Network 4.3.1 DP1903
IOS 16.9.3	Prime Network 4.3.1 DP 1907
IOS 16.11.1a	Prime Network 4.3.1 DP 1907
IOS 16.12.1	Prime Network 5.0 DP 1911
*IOS 17.1.1	Prime Network 5.0 DP 1911

¹ Cisco ASR900 - (RSP2, RSP3) Series Routers

*VNE discovery using SSH is not supported due to stronger encryptions enforced in the IOS 17.1.1 version on the ASR 920 device.

Cisco ASR920 Series—Supported Topologies

Table 11-132 Supported Topologies for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.8
BFD	BFD	3.8
BGP	BGP	3.8
Ethernet	Ethernet	3.8
Framerelay	Framerelay	3.8
LAG	LAG	3.8

Table 11-132 Supported Topologies for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
MLPPP	MLPPP	3.8
MPLS	MPLS	3.8
Physical Layer	Physical Layer	3.8
PPP/HDLC	PPP or HDLC	3.8
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR920 Series—Supported Modules

Table 11-133 Supported Modules for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR-920-4SZ-A	PrimeNetwork-3.10xTo3.11x-DP1411,PrimeNetwork-4.1-DP1411,PrimeNetwork-4.0-DP1411	ASR 920 Route Switch Processor , Base Scale, 64Gbps, FIXED: 4GE and 2-4GE AC Module
ASR-920-4SZ-D	PrimeNetwork-3.10xTo3.11x-DP1411,PrimeNetwork-4.1-DP1411,PrimeNetwork-4.0-DP1411	ASR 920 Route Switch Processor , Base Scale, 64Gbps, FIXED: 4GE and 2-4GE DC Module
ASR-920-PWR-A	Prime Network 4.0 DP1503,Prime Network 4.1 DP1503,Prime Network 4.2 DP1503	ASR 920 AC Power Supply

Table 11-133 Supported Modules for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR-920-PWR-D	Prime Network 4.0 DP1503,Prime Network 4.1 DP1503,Prime Network 4.2 DP1503	ASR 920 DC Power Supply

Cisco ASR920 Series—Supported Technologies

The following technologies are supported by the Cisco ASR920 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [MPLS-TP, page 11-336](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [BFD, page 11-355](#)
- [Carrier Ethernet, page 11-356](#)

- [CDP, page 11-358](#)
- [Ethernet OAM, page 11-359](#)
- [QoS, page 11-387](#)
- [RLFA, page 11-461](#)

Cisco ASR920 Series—Supported Service Events

Table 11-134 Supported Service Events for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.8	Y
Active IP Interfaces Found	3.8	Y
IMA Admin Down	3.8	N
ima up	3.8	N
IMA Oper Down	3.8	N
ima oper up	3.8	N
BFD Connectivity Down	3.8	N
BFD Connectivity Up	3.8	N
BFD Neighbor Loss	3.8	N
BFD Neighbor Found	3.8	N
BGP Link Down Due to Admin Down	3.8	Y
BGP Link Down Due to Oper	3.8	Y
BGP Link Down VRF Due to Admin	3.8	N
BGP Link Down VRF Due to Oper	3.8	N
BGP Link Up	3.8	Y
BGP Neighbor Loss Due to Admin	3.8	N
BGP Neighbor Loss Due to Oper	3.8	N
BGP Neighbor Loss VRF Due to Admin	3.8	N
BGP Neighbor Loss VRF Due to Oper	3.8	N
BGP Neighbor Found	3.8	N
BGP Process Down	3.8	N
BGP Process Up	3.8	N
Card Down	3.8	Y
Card Up	3.8	Y
Card Out	3.8	Y
Card In	3.8	Y
Carrier Grade NAT Translations Create Rate	3.8	N

Table 11-134 Supported Service Events for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Carrier Grade NAT Translations Create Rate Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Translations Create Rate Threshold Normal	3.8	N
Carrier Grade NAT Translations Delete Rate Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Translations Delete Rate Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Translations Delete Rate Threshold Normal	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Port Limit Threshold Normal	3.8	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops System Limit Reached Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Higher Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Lower Threshold Exceeded	3.8	N
Carrier Grade NAT Inside-to-Outside Drops Resource Depletion Threshold Normal	3.8	N
Device Partially Managed	3.8	N
CPU Overutilized	3.8	N
CPU Normal Utilization	3.8	N
Device Unsupported	3.8	N
Discard Packets	3.8	N
DS0 Bundle Admin Down	3.8	N

Table 11-134 Supported Service Events for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
DS0 Bundle Oper Down	3.8	N
DS0 Bundle Up	3.8	N
DS1 Path Link Down Due to Admin Down	3.8	N
DS1 Path Link Down Due to Oper Down	3.8	N
DS1 Path Link Down Due to Card	3.8	N
DS1 Path Link Down on Unreachable	3.8	N
DS1 Path Link Up	3.8	N
DS1 Path Port Down Due to Admin	3.8	N
DS1 Path Port Down Due to Oper	3.8	N
DS1 Path Port Down Due to Card	3.8	N
DS1 Path Port Up	3.8	N
DS3 Path Link Down Due to Admin Down	3.8	N
DS3 Path Link Down Due to Oper Down	3.8	N
DS3 Path Link Down Due to Card	3.8	N
DS3 Path Link Down on Unreachable	3.8	N
DS3 Path Link Up	3.8	N
DS3 Path Port Down Due to Admin	3.8	N
DS3 Path Port Down Due to Oper	3.8	N
DS3 Path Port Down Due to Card	3.8	N
DS3 Path Port Up	3.8	N
Dual stack IP removed	3.8	N
Dual Stack IP Added	3.8	N
DWDM Controller Down	3.8	N
DWDM Controller Up	3.8	N
DWDM G709 Status Down	3.8	N
DWDM G709 Status Up	3.8	N
EFP Admin Down	3.8	N
EFP Down Due to Error Disabled	3.8	N
EFP Oper Down	3.8	N
EFP Up	3.8	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N

Table 11-134 Supported Service Events for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Keepalive Not Set	3.8	N
Keepalive Set	3.8	N
GRE Tunnel Down	3.8	N
GRE Tunnel Up	3.8	N
Secondary HSRP Interface Is Active	3.8	N
Secondary HSRP Interface Is Not Active	3.8	N
Interface Status Up	3.8	N
IP Pool Exhausted	3.8	N
IP Pool Normal	3.8	N
L2TP Peer Not Established	3.8	N
L2TP Peer Is Removed	3.8	N
L2TP Peer Established	3.8	N
Lag Admin Down	3.8	N
Lag Up	3.8	N
Lag Link Up	3.8	N
Layer 2 Tunnel Down	3.8	N
Layer 2 Tunnel Up	3.8	N
LDP Neighbor Down	3.8	N
LDP Neighbor Up	3.8	N
Link Down Due to Admin Down	3.8	N
Link Down Due to Oper Down	3.8	N
Link Down Due to Card Event	3.8	N
Link Down on Unreachable	3.8	N
Link Up	3.8	N
Link Overutilized	3.8	N
Link Utilization Normal	3.8	N
Local Switching Entry Down	3.8	N
Local Switching Entry Up	3.8	N
Logical Port Down	3.8	N
Logical Port Up	3.8	N
High Priority Member Down	3.8	N
Medium Priority Member Down	3.8	N
Low Priority Member Down	3.8	N
Memory Overutilized	3.8	N
Memory OK	3.8	N

Table 11-134 Supported Service Events for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
MLPPP Down Due To Admin Down	3.8	N
MLPPP Down Due To Oper Down	3.8	N
MLPPP Up	3.8	N
MPLS Black Hole Found	3.8	N
MPLS Black Hole Cleared	3.8	N
MPLS TP Bandwidth Mismatch	3.8	N
MPLS Interface Added	3.8	Y
MPLS Interface Removed	3.8	Y
MPLS TE Tunnel Down	3.8	N
High Priority MPLS TE Tunnel Down	3.8	N
Medium Priority MPLS TE Tunnel Down	3.8	N
Low Priority MPLS TE Tunnel Down	3.8	N
MPLS TE Tunnel Reoptimized	3.8	N
MPLS TE Tunnel Rerouted	3.8	N
MPLS TE Tunnel Up	3.8	N
OSPF Neighbor Down	3.8	N
OSPF Neighbor Up	3.8	N
Port Down Due to Admin	3.8	N
Port Down Due to Oper	3.8	N
Port Down Due to Card Event	3.8	N
Port Up	3.8	N
Power Supply Down	3.8	N
Power Supply Out	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Dormant	3.8	N
Rx Dormant Normal	3.8	N
Rx Overutilized	3.8	N
Rx Utilization Normal	3.8	N
Shelf In	3.8	N
Shelf Out	3.8	N
SONET Path Link Down Due to Admin Down	3.8	N

Table 11-134 Supported Service Events for Cisco ASR920 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
SONET Path Link Down Due to Oper Down	3.8	N
SONET Path Link Down Due to Card	3.8	N
SONET Path Link Down on Unreachable	3.8	N
SONET Path Link Up	3.8	N
SONET Path Port Down Due to Admin Down	3.8	N
SONET Path Port Down Due to Oper Down	3.8	N
SONET Path Port Down Due to Card	3.8	N
SONET Path Port Up	3.8	N
VLAN Subinterface Admin Down	3.8	N
VLAN Subinterface Up	3.8	N
Tx Dormant	3.8	N
Tx Dormant Normal	3.8	N
Tx Overutilized	3.8	N
Tx Utilization Normal	3.8	N
VSI Admin Down	3.8	N
VSI Up	3.8	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco ASR 5000 Series Routers

This section includes the following information about Cisco ASR 5000 Series routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ASR 5000 Series Routers](#)):

This section contains the following topics:

- [Cisco ASR 5000 Series—Supported Software Versions](#), page 11-270
- [Cisco ASR 5000 Series—Supported Topologies](#), page 11-272
- [Cisco ASR 5000 Series—Supported Modules](#), page 11-272
- [Cisco ASR 5000 Series—Supported Technologies](#), page 11-273

- [Cisco ASR 5000 Series—Supported Service Events, page 11-274](#)

Cisco ASR 5000 Series—Supported Software Versions

Table 11-135 Supported Software Versions for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
StarOS 10.0	Prime Network-4.1-DP1509, Prime Network-4.2-DP1509, Prime Network-4.2.1-DP1509, and Prime Network-4.2.2-DP1509
StarOS 11.0	Prime Network-4.1-DP1509, Prime Network-4.2-DP1509, PrimeNetwork-4.2.1-DP1509, and Prime Network-4.2.2-DP1509
StarOS 12.0	Prime Network-4.1-DP1509, PrimeNetwork-4.2-DP1509, Prime Network-4.2.1-DP1509, and Prime Network-4.2.2-DP1509
StarOS 12.2	Prime Network-4.1-DP1509, PrimeNetwork-4.2-DP1509, Prime Network-4.2.1-DP1509, and Prime Network-4.2.2-DP1509
StarOS 12.3	PrimeNetwork-4.1-DP1509, PrimeNetwork-4.2-DP1509, PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509

Table 11-135 Supported Software Versions for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
StarOS 14.0	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509
StarOS 14.1	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509
StarOS21.1	4.3.2-DP1701
StarOS19.6	4.3.2-DP1703
StarOS21.1	4.3.2-DP1705
StarOS 21.2.4	5.0-DP 1707
StarOS 21.3	5.0-DP 1707
StarOS 20.2	5.0- DP 1711
StarOS 21.1	5.0-DP 1711
StarOS 21.4	5.0-DP 1711
StarOS 21.5	DP 1801
StarOS 21.6	DP 1801
StarOS 21.7	DP 1803
StarOS 21.8	DP 1805
StarOS 21.9	PrimeNetwork-4.3-DP1807
StarOS 21.10	PrimeNetwork-4.3-DP1811
StarOS 21.8	PrimeNetwork-4.3-DP1811
StarOS 21.11	PrimeNetwork-4.3-DP1811
StarOS 21.12	PrimeNetwork-4.3-DP1901
StarOS 21.13	Prime Network-4.3.1-DP1903
StarOS 21.14.a0*	Prime Network 4.3.1 DP 1905
StarOS 21.15.2	Prime Network 5.0 DP 1911

Table 11-135 Supported Software Versions for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
StarOS 21.16	Prime Network 5.0 DP 1911

*StarOS 21.14.a0 is a LA (limited availability) release.

Cisco ASR 5000 Series—Supported Topologies

Table 11-136 Supported Topologies for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	
L2 Fabric	L2 Fabric Link	4.2

Cisco ASR 5000 Series—Supported Modules

Table 11-137 Supported Modules for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR5K-01100E-K9	3.7.x(DP8)	FELC Ethernet 10/100 Line Card
ASR5K-0110G-MM-K9	3.7.x(DP8)	XGLC 1-Port 10 Gigabit Ethernet Line Card w/MM SFP+
ASR5K-0110G-SM-K9	3.7.x(DP8)	XGLC 1-Port 10 Gigabit Ethernet Line Card w/SM SFP+
ASR5K-011GE-LX-K9	3.7.x(DP8)	GELC Ethernet 1000 Line Card w/LX Single-Mode SFP
ASR5K-011GE-SX-K9	3.7.x(DP8)	GELC Ethernet 1000 Line Card w/SX Multi-Mode Short Haul SFP
ASR5K-011GE-T-K9	3.7.x(DP8)	GELC Ethernet 1000 Line Card w/Copper SFP
ASR5K-041GE-LX-K9	3.7.x(DP8)	QGLC 4-Port Ethernet 1000 Line Card with LX SM SFP
ASR5K-041GE-SX-K9	3.7.x(DP8)	QGLC 4-Port Ethernet 1000 Line Card with SX MM Short Haul SFP
ASR5K-041GE-T-K9	3.7.x(DP8)	QGLC 4-Port Ethernet 1000 Line Card with copper SFP
ASR5K-4OC3C-MM-K9	3.7.x(DP8)	OLC2 4 Port ATM STM-1c/OC-3c Line Card w/Multi-Mode SFP
ASR5K-4OC3C-SM-K9	3.7.x(DP8)	OLC2 4 Port ATM STM-1c/OC-3c Line Card w/Single Mode SFP

Table 11-137 Supported Modules for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ASR5K-C4OC3-MM-K9	3.7.x(DP8)	CLC2 Channelized 4-Port STM-1/OC-3 Line Card w/MM SFP
ASR5K-C4OC3-SM-K9	3.7.x(DP8)	CLC2 Channelized 4-Port STM-1/OC-3 Line Card w/SM SFP
ASR5K-PSC-32G-K9	3.7.x(DP8)	Packet Services Card 32GB
ASR5K-RCC-K9	3.7.x(DP8)	Redundancy crossbar
ASR5K-SMC-K9	3.7.x(DP8)	System Management Card
ASR5K-SPIO-3PN-K9	3.7.x(DP8)	Switch Processor Input/Output Switch Processor I/O, 3-Pin BITS
ASR5K-SPIO-BNC-K9	3.7.x(DP8)	Switch Processor Input/Output Switch Processor I/O, BNC BITS with Stratum 3 module
ASR55-MIO-10GL20-K9	3.8.x(DP3)	Management Input/Output (MIO) with (2) 10 X 10GBASE-LR daughter cards
ASR55-MIO-10GS20-K9	3.8.x(DP3)	Management Input/Output (MIO) with (2) 10 X 110GBASE-SR daughter cards
ASR55-DPC-K9	3.8.x(DP3)	Data Processing Card (DPC)
ASR-55-FSC-K9	3.8.x(DP3)	Fabric and Storage Card (FSC)
ASR55-SSC-K9	3.8.x(DP3)	System Status Card (SSC)
ASR55-DPC2-K9	PN 4.0 MarDP1503, PN 4.1 MarDP1503, PN 4.2 MarDP1503	ASR5500 Data Processing Card (DPC2)

Cisco ASR 5000 Series—Supported Technologies

The following technologies are supported by the Cisco ASR 5000 Series in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [VPN \(VRF\), page 11-339](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Carrier Ethernet, page 11-356](#)
- [AAA, page 11-373](#)
- [Mobile, page 11-394](#)

- [HNB, page 11-461](#)
- [HeNB, page 11-465](#)
- [IuPS, page 11-467](#)
- [SGSN, page 11-470](#)

Cisco ASR 5000 Series—Supported Service Events

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BGP link down vrf due to oper	PrimeNetwork-3.10-DP1303	N
Card Down	PrimeNetwork-3.10-DP1303	N
Card In	PrimeNetwork-3.10-DP1303	N
Card Out	PrimeNetwork-3.10-DP1303	N
Card Up	PrimeNetwork-3.10-DP1303	N
CPU utilization exceeded upper threshold	PrimeNetwork-3.10-DP1303	N
CPU utilization less than lower threshold	PrimeNetwork-3.10-DP1303	N
Device Unreachable	PrimeNetwork-3.10-DP1303	N
Device Unsupported	PrimeNetwork-3.10-DP1303	N
fan out	PrimeNetwork-3.10-DP1303	N
Interface status down	PrimeNetwork-3.10-DP1303	N
Interface Status Down/Up	PrimeNetwork-3.10-DP1303	N
interface status up	PrimeNetwork-3.10-DP1303	N
Link Down	PrimeNetwork-3.10-DP1303	N
Link down due to admin down	PrimeNetwork-3.10-DP1303	N
Link down due to Card event	PrimeNetwork-3.10-DP1303	N

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Link down due to oper down	PrimeNetwork-3.10-DP1303	N
Link up	PrimeNetwork-3.10-DP1303	N
Pluggable transceiver out	PrimeNetwork-3.10-DP1303	N
Port Down	PrimeNetwork-3.10-DP1303	N
Port down due to admin	PrimeNetwork-3.10-DP1303	N
Port down due to Card down	PrimeNetwork-3.10-DP1303	N
Port down due to Card out	PrimeNetwork-3.10-DP1303	N
Port down due to oper	PrimeNetwork-3.10-DP1303	N
Power-supply down	PrimeNetwork-3.10-DP1303	N
Power-supply out	PrimeNetwork-3.10-DP1303	N
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N
starDHCPV6ServiceStop starIMSUEServiceStart starIMSUEServiceStop starThreshLSLogsVolume starThreshClearLSLogsVolume starDdfReload starHdRaidMgmtCardSwitchover starHdRaidMgmtCardSwitchover	4.3.1-DP 1611	
starHdRaidMgmtCardSwitchover	4.3.1-DP1611	

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
entStateOperEnabled	4.3.1-DP1611	
entStateOperDisabled		
BGPPeerSessionIPv6Up		
BGPPeerSessionIPv6Down		
ESMLCAssocDown		
ESMLCAssocUp		
ESMLCAllAssocDown		
ESMLCAllAssocDownClear		
starThreshTotalVolume	DP 1801	
starThreshTotalVolumeClear		
starIKEv2DDOSAttackUDPFail		
starIKEv2DDOSAttackClearUDPFail		
starIKEv2DDOSAttackUDPFailPeer		
starIKEv2ClearDDOSAttackUDPFailPeer		
starIKEv2DDOSAttackINITFlood		
starIKEv2DDOSAttackClearINITFlood		
starIKEv2DDOSAttackINITPeerFlood		
starIKEv2DDOSAttackClearINITPeerFlood		
starIFTaskHealthFailure		
starIKEv2ReqRateThreshold		
starIKEv2ClearReqRateThreshold		
starNicBondChange		
starChassisStartupTimeout		
starNeedADCLicense		
starNeedADCLicenseClear		
starADCLicenseAboutToExpire		
starADCLicenseExpired		

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
starSxPathFailure	DP 1805	
starSxPathFailureClear		
starThreshDataPlaneMonitor5MinsLoss		
starThreshClearDataPlaneMonitor5MinsLoss		
starThreshDataPlaneMonitor60MinsLoss		
starThreshClearDataPlaneMonitor60MinsLoss		
starThreshControlPlaneMonitor5MinsLoss		
starThreshClearControlPlaneMonitor5MinsLoss		
starThreshControlPlaneMonitor60MinsLoss		
starThreshClearControlPlaneMonitor60MinsLoss		
starChassisThroughputOver	PrimeNetwork-4.3-DP 1807	
starChassisThroughputOverClear		
starChassisThroughputWarn		
starChassisThroughputWarnClear		
starThreshHatHb5MinsLoss	Prime Network 4.2.2-DP1707	
starThreshClearHatHb5MinsLoss		
starThreshHatHb60MinsLoss		
starThreshClearHatHb60MinsLoss		
starGlobalCLISessionsLimit		
starUserCLISessionsLimit		

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
starSmartLicenseServiceOOC starSmartLicenseServiceOOCclear starSmartLicenseEvalMode starSmartLicenseEvalModeClear starSmartLicenseEvalModeExpire starSmartLicenseEvalModeExpireClear starSmartLicenseCSSMConntectionFail starSmartLicenseCSSMConnectionFailClear starSxServiceStart starSxServiceStop starUplaneServiceStart starUplaneServiceStop DisabledEventIDs LogLevelChanged	Prime Network 4.2.2-DP1707	
cefcModuleStatusChange cefcPowerStatusChange cefcFRUInserted cefcFRURemoved cefcUnrecognizedFRU cefcFanTrayStatusChange cefcPowerSupplyOutputChange	Prime Network 4.3-DP1711	
starUidhURLHostDatabaseUpgradeFailureStatus starUidhURLHostDatabaseUpgradeSuccessStatus starSmartLicenseFeatureOOC starSmartLicenseFeatureOOCclear starIFTaskBootConfigApplied	Prime Network 4.3-DP1811	

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
CISCO-SYSTEM-EXT-MIB	Prime Network 4.3-DP1811	
CseHaRestartNotify		
CseShutDownNotify		
CseFailSwCoreNotify		
CseFailSwCoreNotifyExtended		
cseNormalModeChangeNotify		
cseMaintModeChangeNotify		
CISCO-ENHANCED-IPSEC-FLOW-MIB		
CiscoEnhIpssecFlowTunnelStart		
CiscoEnhIpssecFlowTunnelStop		
ciscoEnhIpssecFlowSysFailure		
ciscoEnhIpssecFlowCertExpiry		
ciscoEnhIpssecFlowCertRenewal		
ciscoEnhIpssecFlowSetupFail		
ciscoEnhIpssecFlowBadSa		
CISCO-IF-EXTENSION-MIB		
CiePortLinkDown		
CiePortLinkUp		
cieDelayedLinkUpDownNotify		

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
CISCO-FLASH-MIB ciscoFlashCopyCompletionTrap ciscoFlashPartitioningCompletionTrap ciscoFlashMiscOpCompletionTrap ciscoFlashDeviceChangeTrap ciscoFlashDeviceInsertedNotif ciscoFlashDeviceRemovedNotif ciscoFlashDeviceInsertedNotifRev1 ciscoFlashDeviceRemovedNotifRev1 ciscoFlashPartitionLowSpaceNotif ciscoFlashPartitionLowSpaceRecoveryNotif ciscoFlashDeviceChangeExtTrap ciscoFlashDeviceInsertedExtNotif ciscoFlashDeviceRemovedExtNotif	Prime Network 4.3-DP1901	
STARENT-MIB starCBCBufSizeExceeded starServiceLossDetected	Prime Network 4.3.1-DP1903	
starMMEManagerBusy	Prime Network 4.3.1 DP 1905	N
starMMEManagerNormal	Prime Network 4.3.1 DP 1905	N
starCFGSyncForUPlaneRedundancyAbort	Prime Network 5.0 DP 1911	N
starMonSubProcessInitFailure	Prime Network 5.0 DP 1911	N
starMonSubPcapWriteFailure	Prime Network 5.0 DP 1911	N
starMonSubProcessConnectFailure	Prime Network 5.0 DP 1911	N
starBulkStatisticsTaiTimeOut	Prime Network 5.0 DP 1911	N

Table 11-138 Supported Service Events for Cisco ASR 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
starUPlaneSelfOverload	Prime Network 5.0 DP 1911	N
starUPlaneSelfOverloadClear	Prime Network 5.0 DP 1911	N

Cisco Cloud Services Router 1000v

This section includes the following information about Cisco CSR 1000v routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Cloud Services Router 1000v](#)):

This section contains the following topics:

- [Cisco CSR 1000v—Supported Software Versions](#), page 11-214
- [Cisco CSR 1000v—Supported Topologies](#), page 11-214
- [Cisco CSR 1000v—Supported Modules](#), page 11-214
- [Cisco CSR 1000v—Supported Technologies](#), page 11-215
- [Cisco CSR 1000v—Supported Service Events](#), page 11-215

Cisco CSR 1000v—Supported Software Versions

Table 11-139 Supported Software Versions for Cisco CSR 1000v—Cisco Prime Network Version 5.3

Software Version	Product Version
15.3 (IOS-XE 3.8)	
XE16.4.1	Prime Network 4.3.1-DP1611
XE 16.7.1	Prime Network 5.0-DP 1711
XE 16.6.1	Prime Network 5.0-DP1711

Cisco CSR 1000v—Supported Topologies

Table 11-140 Supported Topologies for Cisco CSR 1000v—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	
Physical Layer	Physical Layer	
Entity Association	Entity Association	
L2 Fabric	L2 Fabric Link	

Cisco CSR 1000v—Supported Modules

Table 11-141 Supported Modules for Cisco CSR 1000v—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CSR1000V CHASSIS		
CISCO CSR1000V ROUTE PROCESSOR		
EMBEDDED SERVICE MODULE		

Cisco CSR 1000v—Supported Technologies

The following technologies are supported by the Cisco CSR 1000v in Cisco Prime Network Version 5.3:

- [IP, page 11-293](#)
- [Ethernet, page 11-302](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [CDP, page 11-358](#)

Cisco CSR 1000v—Supported Service Events

Table 11-142 Supported Service Events for Cisco CSR 1000v—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to Low Polling Rate Due to CPU High Usage		N
VNE Switched Back to Regular Polling Rate		N

Table 11-142 Supported Service Events for Cisco CSR 1000v—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to a Limited Investigation Mode Due to High CPU Usage		N
All IP Interfaces Down		N
Component Reachable		N
Component Unreachable		N
Device Partially Managed		N
CPU Overutilized		N
CPU Normal Utilization		N
Device Unsupported		N
Device Initializing		N
Discard Packets		N
Interface Status Up		N
Link Down Due to Admin Down		N
Link Down Due to Oper Down		N
Link Down on Unreachable		N
Link Up		N
Port Down Due to Admin		N
Port Down Due to Oper		N
Port Up		N

Cisco Network Convergence System 6000 Series Routers

This section includes the following information about Cisco Network Convergence System (NCS) 6000 Series routers:

This section contains the following topics:

- [Cisco NCS 6000 Series—Supported Software Versions, page 11-284](#)
- [Cisco NCS 6000 Series—Supported Technologies, page 11-284](#)
- [Cisco NCS 6000 Series—Supported Modules, page 11-285](#)
- [Cisco NCS 6000 Series—Supported Service Events, page 11-286](#)

Cisco NCS 6000 Series—Supported Software Versions

Table 11-143 Supported Software Versions for Cisco NCS 6000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XR 6.1.1	Prime Network-4.3.1-DP16 09
XR 6.1.2	Prime Network-4.3.1-DP16 11
XR 6.1.4	Prime Network-5.0-DP 1707
XR 6.2.2	Prime Network-5.0-DP 1707
XR 6.2.3	Prime Network - 5.1-DP 1801
XR 6.4.1	Prime Network - 5.1-DP-1803

Cisco NCS 6000 Series—Supported Technologies

Table 11-144 Supported Technologies for Cisco NCS 6000 Series—Cisco Prime Network Version 5.3

Technology	Product Version
Single Chassis Multi-SDR	Prime Network 5.1-DP-1 805
LLDP	Prime Network 4.3-DP-1 807
VRRP mLDP mVPN V6 over mLDP	Prime Network 4.3.1-DP1 609

Table 11-144 Supported Technologies for Cisco NCS 6000 Series—Cisco Prime Network Version 5.3

Technology	Product Version
AAA Radius for IPV6	Prime Network
L3VPN	4.3.1-DP1
LDP	609
Qos	
OSPF LFA-FRR	
Multicast VPN v4,v6	

**Note**

Each SDR will be modelled as a VNE by using the Management IP of the specific SDR.

While creating a new VNE in Prime Network, the user should provide the prompt sequence till the XR mode of the SDR. Do not specify the sysadmin sequences.

Cisco NCS 6000 Series—Supported Modules

Table 11-145 Supported Modules for Cisco NCS 6000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NC6-20X100GE-M-C(=)	5.0-DP1709	NC6-20X100GE-M-C(=)
NC6-20X100GE-L-C(=)	5.0-DP1709	NC6-20X100GE-L-C(=)
NC6-FANTRAY-2	5.1-DP1803	NC6-FANTRAY-2
NC6-FC2-U	5.1-DP1803	NC6-FC2-U
NC6-20X100GE-M-C	5.1-DP1803	NC6-20X100GE-M-C
QSFP-100G-LR4-S	5.1-DP1803	QSFP-100G-LR4-S

Cisco NCS 6000 Series—Supported Service Events

Table 11-146 Supported Service Events for Cisco NCS 6000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Pim Default VRF	5.0-DP1711	
%HA-REDCON-6-GO_ACTIVE	4.3.1-DP1609	
Crash monitoring	4.3.2-DP1705	
Memory usage monitoring	4.3.2-DP1705	
Traceback	4.3.2-DP1705	
CPU	4.3.2-DP1705	
Filesystem	4.3.2-DP1705	
Re-enable PAM	4.3.2-DP1705	
Disable PAM	4.3.2-DP1705	

Cisco Network Convergence System 540 Series Routers

This section includes the following information about Cisco Network Convergence System (NCS) 540 Series routers:

This section contains the following topics:

- [Cisco NCS 540 Series—Supported Software Versions, page 11-286](#)
- [Cisco NCS 540 Series—Supported Technologies, page 11-287](#)
- [Cisco NCS 540 Series—Supported Modules, page 11-288](#)

Cisco NCS 540 Series—Supported Software Versions

Table 11-147 Supported Software Versions for Cisco NCS 540 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS XR 6.3.2	Prime Network-4.3-DP1809
IOS XR 6.3.3	Prime Network-4.3-DP1809
IOS XR 6.6.1	Prime Network-4.3-DP1901
IOS XR 6.6.25	Prime Network 4.3.1 DP 1905

Table 11-147 Supported Software Versions for Cisco NCS 540 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS XR 6.5.3 (N540-24Z8Q2C-SYS)	Prime Network 4.3.1 DP 1907
IOS XR 7.0.1	Prime Network 4.3.1 DP 1907

*IOS XR 6.6.1 is an LA (limited availability) release.

Cisco NCS 540 Series—Supported Technologies

The following technologies are supported by the Cisco NCS 540 Series Routers in Cisco Prime Network Version 5.3:

- AAA Radius
- Access List
- [CDP, page 11-358](#)
- LAG
- [LLDP, page 11-358](#)
- IS-IS
- Label Switching
- Modular OS
- MPBGP
- [MPLS-TE, page 11-334](#)
- [MPLS-TP, page 11-336](#)
- OSPF and OSPFv3
- [QoS, page 11-387](#)
- IPv4 and IPv6
- [VPN \(VRF\), page 11-339](#)
- [LocalSwitching, page 11-355](#)
- [BFD, page 11-355](#)
- Pseudowire
- VSI
- Bridge
- PIM
- IGMP

Cisco NCS 540 Series—Supported Modules

Table 11-148 Supported Modules for Cisco NCS 540—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
N540-FAN	4.3-DP1809	N540-FAN
QSFP-40G-SR4-S E	4.3-DP1809	QSFP-40G-SR4-S E

Cisco Network Convergence System 5500 Series Routers

This section includes the following information about Cisco Network Convergence System (NCS) 5500 Series routers:

This section contains the following topics:

- [Cisco NCS 5500 Series—Supported Software Versions, page 11-288](#)
- [Cisco NCS 5500 Series—Supported Technologies, page 11-288](#)
- [Cisco NCS 5500 Series—Supported Modules, page 11-289](#)

Cisco NCS 5500 Series—Supported Software Versions

Table 11-149 Supported Software Versions for Cisco NCS 5500 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS XR 6.3.3	Prime Network-4.3.1 DP1905
IOS XR 6.6.25	Prime Network 4.3.1 DP 1907
IOS XR 7.0.1	Prime Network 5.0 DP 1911

Cisco NCS 5500 Series—Supported Technologies

The following technologies are supported by the Cisco NCS 5500 Series Routers in Cisco Prime Network Version 5.3:

- AAA Radius
- Access List
- [CDP, page 11-358](#)

- LAG
- [LLDP, page 11-358](#)
- IS-IS
- Label Switching
- Modular OS
- MPBGP
- [MPLS-TE, page 11-334](#)
- [MPLS-TP, page 11-336](#)
- OSPF and OSPFv3
- [QoS, page 11-387](#)
- IPv4 and IPv6
- [VPN \(VRF\), page 11-339](#)
- [LocalSwitching, page 11-355](#)
- [BFD, page 11-355](#)
- Pseudowire
- VSI
- Bridge
- PIM
- IGMP

Cisco NCS 5500 Series—Supported Modules

Table 11-150 Supported Modules for Cisco NCS 5500—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
NCS-5501-SE	Prime Network 4.3.1 DP 1907	QSFP-100G-AOC3M
NCS-55A1-36HS	Prime Network 4.3.1 DP 1907	QSFP-100G-AOC7M
NCS-55A1-36H-SE	Prime Network 4.3.1 DP 1907	QSFP-100G-SR4-S

Cisco IOS-XRv9k

This section includes the following information about Cisco IOS-XRv9k routers (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco IOS-XRv9k](#)):

This section contains the following topics:

- [Cisco IOS-XRv9k—Supported Software Versions, page 11-290](#)
- [Cisco IOS-XRv9k—Supported Topologies, page 11-290](#)
- [Cisco IOS-XRv9k—Supported Modules, page 11-291](#)
- [Cisco IOS-XRv9k—Supported Technologies, page 11-291](#)
- [Cisco IOS-XRv9k—Supported Service Events, page 11-291](#)

Cisco IOS-XRv9k—Supported Software Versions

Table 11-151 Supported Software Versions for Cisco IOS-XRv9k—Cisco Prime Network Version 5.3

Software Version	Product Version
IOX6.1.1	4.3.1-DP1609
IOX6.1.2	4.3.1-DP1611
XR 6.1.4	5.0-DP 1707
XR 6.2.2	5.0-DP 1707
IOS XR 6.5.2	4.3.1-DP 1903

Cisco IOS-XRv9k—Supported Topologies

Table 11-152 Supported Topologies for Cisco IOS-XRv9k—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
MPLS	MPLS	4.3.1
L2 Fabric	L2 Fabric Link	4.3.1

Cisco IOS-XRv9k—Supported Modules

Table 11-153 Supported Modules for Cisco IOS-XRv9k—Cisco Prime Network Version 5.3

Module Name	Product Version
R-IOXR9000-CH	4.3.1
CISCO XRv9K ROUTE PROCESSOR	4.3.2

Cisco IOS-XRv9k—Supported Technologies

The following technologies are supported by the Cisco IOS-XRv9k in Cisco Prime Network Version 5.3:

- [IP](#), page 11-293
- [Routing Protocols](#), page 11-298
- [Ethernet](#), page 11-302
- [HDLC](#), page 11-325
- [MPLS](#), page 11-330
- [MPLS-TE](#), page 11-334
- [Security](#), page 11-342
- [Hardware](#), page 11-342
- [Port](#), page 11-350
- [Additional Technologies](#), page 11-351
- [BFD](#), page 11-355
- [CDP](#), page 11-358
- [IPMulticast](#), page 11-389

Cisco IOS-XRv9k—Supported Service Events

Table 11-154 Supported Service Events for Cisco IOS-XRv9k—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
BGP Process Up	4.3.1	N
Card Down	4.3.1	Y
Card Up	4.3.1	Y
Card Out	4.3.1	Y
Card In	4.3.1	Y
CPU Overutilized	4.3.1	N

Table 11-154 Supported Service Events for Cisco IOS-XRv9k—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Device Unsupported	4.3.1	N
Device Initializing	4.3.1	N
Fan-Tray Down	4.3.1	N
Fan-Tray Out	4.3.1	N
Link Up	4.3.1	N
Port Down Due to Admin	4.3.1	N
Port Down Due to Oper	4.3.1	N
Power Supply Down	4.3.1	N
Power Supply Out	4.3.1	N

Supported Technologies on Cisco Routers

The following sections list the objects and attributes that are supported on Cisco routers in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 11-293](#)
- [Routing Protocols, page 11-298](#)
- [Ethernet, page 11-302](#)
- [ATM, page 11-319](#)
- [Frame Relay, page 11-322](#)
- [PPP, page 11-323](#)
- [HDLC, page 11-325](#)
- [SONET/SDH, page 11-325](#)
- [TDM/DSx, page 11-326](#)
- [MPLS, page 11-330](#)
- [MPLS-TE, page 11-334](#)
- [MPLS-TP, page 11-336](#)
- [VPN \(VRF\), page 11-339](#)
- [PWE3, page 11-340](#)
- [Security, page 11-342](#)
- [Hardware, page 11-342](#)
- [Port, page 11-350](#)
- [Additional Technologies, page 11-351](#)
- [IPoDWDM, page 11-352](#)
- [BFD, page 11-355](#)

- Carrier Ethernet, page 11-356
- LLDP, page 11-358
- CDP, page 11-358
- Ethernet OAM, page 11-359
- SBC, page 11-364
- AccessGatewayService, page 11-370
- 6PE, page 11-371
- 6rd, page 11-371
- MLACP, page 11-372
- IPSec, page 11-372
- AAA, page 11-373
- BNG, page 11-384
- DHCP, page 11-385
- Dynamic Config Templates, page 11-386
- QoS, page 11-387
- IPMulticast, page 11-389
- Mobile, page 11-394
- Satellite, page 11-458
- PWHEInterface, page 11-460
- ClusterIRL, page 11-460
- RLFA, page 11-461
- HNB, page 11-461
- HeNB, page 11-465
- IuPS, page 11-467
- SGSN, page 11-470
- Serial, page 11-471
- Discovery Protocol, page 11-472
- BNG,DHCP,QoS, page 11-472

IP

Table 11-155 IP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IPInterface																						
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 11-155 IP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3 (Continued)

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR3900	
Subnetwork Mask	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface Addresses Array	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Interface Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Interface Description	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
OSPF Interface Cost																							
Broadcast Address																							
MTU																							
Lookup Method																							
Address Resolution Type																							
ARP Timeout																							
Secured ARP																							
ICMP Mask Reply																							
IGMP Proxy																							
HSRP Groups		Y		Y	Y		Y	Y	Y	Y		Y		Y	Y	Y				Y			
IP Multiplexing Table																							
IANA Type	Y		Y		Y	Y	Y																
Containing CTPs																							
Contained CTPs																							
IMO Name—IIPMuxEntry																							
Termination Point	Y	Y		Y	Y	Y	Y	Y		Y		Y		Y	Y	Y				Y			
Destination IP Subnet	Y	Y		Y	Y	Y	Y	Y		Y		Y		Y	Y	Y				Y			
IMO Name—IRoutingEntity																							
Routing Table	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
ARP Entity	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Routing Table Changes											Y		Y										
Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Logical Sons	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Multicast Routing Table																	Y	Y	Y				
IMO Name—IRoutingEntry																							
Destination IP Subnet	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Next Hop IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Routing Protocol Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Table 11-155 IP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3 (Continued)

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Outgoing Interface Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IARPEntity																						
ARP Table	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IARPEntity																						
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Port	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Entry Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y
IMO Name—IIPPool																						
IP Address Pool Entries																		Y				
Name																		Y				
IMO Name—IIPPoolEntry																						
Free Address																						
Reserved Address																						
Address In Use																						
Group Name																						
Pool Type																						
Status																						
Priority																						
VRF Oid																						
IMO Name—IIPRangeBasedIPPoolEntry																						
Range Start																		Y				
Range End																		Y				
Unused Addresses				1			2											Y				
Used Addresses				3			4											Y				
Reserved Addresses				5			6											Y				
IMO Name—IIPSubnetBasedIPPoolEntry																						
IP Subnet				7			8															
Unused Addresses				9			10															
Used Addresses				11			12															
Reserved Addresses				13			14															
IMO Name—HSRPGroupEntry																						
Group Number			Y			Y		Y		Y		Y		Y	Y	Y	Y		Y	Y ¹ ₅		

Table 11-155 IP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3 (Continued)

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
Port Description			Y			Y	Y	Y	Y	Y		Y		Y	Y	Y	Y		Y	Y ¹ ₆	
Priority			Y			Y	Y	Y	Y	Y		Y		Y	Y	Y	Y		Y	Y ¹ ₇	
Coupled Router			Y			Y	Y	Y	Y	Y		Y		Y	Y	Y	Y		Y	Y ¹ ₈	
State			Y			Y	Y	Y	Y	Y		Y		Y	Y	Y	Y		Y	Y ¹ ₉	
Tracking Interfaces																					
Virtual IP Address			Y			Y	Y	Y	Y	Y		Y		Y	Y	Y	Y		Y	Y ² ₀	
Virtual MAC Address			Y			Y	Y	Y	Y	Y		Y		Y	Y	Y	Y		Y	Y ² ₁	
IMO Name—I TunnelGRE																					
Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y		Y	Y	Y	
Tunnel Destination and Source	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y		Y	Y	Y	
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y		Y	Y	Y	
IP Interface State							Y		Y	Y					Y	Y					
IANA Type							Y														
Containing CTPs																					
Contained CTPs																					
Keep Alive Time										Y				Y				Y			
Keep Alive Retry										Y				Y				Y			
IMO Name—IVrrpGroupEntry																					
Group Number														Y			Y	Y	Y		
State														Y			Y	Y	Y		
Port Description														Y			Y	Y	Y		
Master IP Address														Y			Y	Y	Y		
Primary IP Address														Y			Y	Y	Y		
Priority														Y			Y	Y	Y		
Virtual Mac Address														Y			Y	Y	Y		
Preempt Mode														Y			Y	Y	Y		
Admin State														Y			Y	Y	Y		
Advertisement Interval														Y			Y	Y	Y		
Tracking Interfaces														Y			Y	Y	Y		

Table 11-155 IP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3 (Continued)

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IIPSLAResponderService																					
responderStatus																					
TWAMPResponderStatus																					
tcpConnect																					
udpEcho																					
IMO Name—IIPAddressPortPair																					
type																					
ipAddress																					
port																					

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14¹IP (including IPv6)15, 16, 17, 18, 19, 20, 21¹Not Supported on IOS 12.2(33)MRA (CSR3.2)

Table 11-156 Segment Routing Attributes Support on ISIS on Cisco Routers

Attribute	NCS540	NCS5500
IMO Name—IISIS Process		
Net ID	Y	Y
Micro Loop Avoidance	Y	Y
Segment Routing Global Block Range	Y	Y
Segment Routing Local Block Range	Y	Y
Prefix SID Map	Y	Y
MPLS Label Preference	Y	Y
Node SID	Y	Y
IMO Name—IISISInterface		
SR Algorithm	Y	Y
Prefix SID Flags	Y	Y
Node Max SID Depth - Label Imposition	Y	Y
TI-LFA	Y	Y
IMO Name—IISegmentRoutingLabelTable		
Label	Y	Y

Table 11-156 Segment Routing Attributes Support on ISIS on Cisco Routers

Attribute	NCS540	NCS5500
	Prefix / Interface	Y

**Note**

The above mentioned Segment Routing properties are not applicable to any other Cisco Routers.

Routing Protocols

Table 11-157 Routing Protocols Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
IMO Name—IBgpNeighborEntry														
Remote Identifier	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Neighbor Type					Y	Y	Y		Y					
Distributing Interfaces									Y					
Remote Address	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Remote Autonomous System	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Peer State	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Peer AdminState									Y	Y				
Hold Time	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Keep Alive Time	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
VrfName										Y				
Adress family										Y	Y		Y	Y
IMO Name—IOspfEntry														
Area Identifier	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Administrative Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Ospf Entry State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IOspfProcess														
Process Id										Y				Y
OSPF Version										Y				Y
Router Id										Y				Y
IMO Name—IOspfNeighbor														
Neighbor Id										Y				Y

Table 11-157 Routing Protocols Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
Outgoing Interface										Y				Y
State										Y				Y
Neighbor Interface Address										Y				Y
Area Id										Y				Y
IMO Name—IospfInterface														
Area Id										Y				Y
Network Type										Y				Y
Cost										Y				Y
State										Y				Y
Interface Address														
Type										Y				Y
IF Priority										Y				Y
DR Id										Y				Y
BDR Id										Y				Y
IMO Name—ISpfTimers														
Schedule Delay										Y				Y
Min Hold Time										Y				Y
Max Wait Time										Y				Y
IMO Name—IISISProcess														
ISIS Version														Y
Manual Area Address														Y
IS Type														Y
System Id														Y
Process Id														Y
IMO Name—IISISMetric														
IS Type														Y
Metric Style														Y
Metric Value														Y
Adress Family														Y
IMO Name—IISISInterface														
Interface Name														Y
IMO Name—IISISNeighbor														
IS Type														Y
System Id														Y
Admin State														Y
Hold Time														Y

Table 11-157 Routing Protocols Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
SNPA														Y
Interface Name														Y
IP Address														Y
Adress Family														Y

Table 11-158 Routing Protocols Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IBgpNeighborEntry													
Remote Identifier	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Neighbor Type		Y	Y	Y									Y
Distributing Interfaces													
Remote Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Remote Autonomous System	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Peer State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Peer AdminState	Y	Y	Y	Y	Y	Y					Y		Y
Hold Time	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Keep Alive Time	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
VrfName			Y			Y					Y		Y
Adress family		Y				Y			Y	Y	Y	Y	Y
IMO Name—IOspfEntry													
Area Identifier	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	
IP Address	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	
Type	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	
Administrative Status	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	
Ospf Entry State	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	
IMO Name—IOspfProcess													
Process Id			Y	Y			Y	Y	Y		Y	Y	
OSPF Version			Y	Y			Y	Y	Y		Y	Y	
Router Id			Y	Y			Y	Y	Y		Y	Y	
IMO Name—IOspfNeighbor													
Neighbor Id			Y	Y			Y	Y	Y		Y	Y	
Outgoing Interface			Y	Y			Y	Y	Y		Y	Y	

Table 11-158 Routing Protocols Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
State			Y	Y			Y	Y	Y		Y	Y	
Neighbor Interface Address			Y	Y			Y	Y	Y		Y	Y	
Area Id			Y	Y			Y	Y	Y		Y	Y	
IMO Name—IospfInterface													
Area Id			Y	Y			Y	Y	Y		Y	Y	
Network Type			Y	Y			Y	Y	Y		Y	Y	
Cost			Y	Y			Y	Y	Y		Y	Y	
State			Y	Y			Y	Y	Y		Y	Y	
Interface Address					Y	Y							Y
Type			Y	Y			Y	Y	Y		Y	Y	
IF Proirity			Y	Y			Y	Y	Y		Y	Y	
DR Id			Y	Y			Y	Y	Y		Y	Y	
BDR Id			Y	Y			Y	Y	Y		Y	Y	
IMO Name—ISpfTimers													
Schedule Delay			Y	Y			Y	Y	Y		Y	Y	
Min Hold Time			Y	Y			Y	Y	Y		Y	Y	
Max Wait Time			Y	Y			Y	Y	Y		Y	Y	
IMO Name—IISISProcess													
ISIS Version			Y	Y							Y	Y	
Manual Area Address			Y	Y							Y	Y	
IS Type			Y	Y							Y	Y	
System Id			Y	Y							Y	Y	
Process Id			Y	Y							Y	Y	
IMO Name—IISISMetric													
IS Type			Y	Y							Y	Y	
Metric Style			Y	Y							Y	Y	
Metric Value			Y	Y							Y	Y	
Adress Family			Y	Y							Y	Y	
IMO Name—IISISInterface													
Interface Name			Y	Y							Y	Y	
IMO Name—IISISNeighbor													
IS Type			Y	Y							Y	Y	
System Id			Y	Y							Y	Y	
Admin State			Y	Y							Y	Y	

Table 11-158 Routing Protocols Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
Hold Time			Y	Y							Y	Y	
SNPA			Y	Y							Y	Y	
Interface Name			Y	Y							Y	Y	
IP Address			Y	Y							Y	Y	
Adress Family			Y	Y							Y	Y	

Ethernet

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
IMO Name—ILinkAggregationGroup802dot3ad														
dot3adAggMACAddress								Y				Y ¹		Y
dot3adAggActorSystemPriority				Y				Y				Y ³		Y
dot3adAggActorSystemID								Y				Y ⁵		Y
dot3adAggActorAdminKey								Y				Y ⁷		Y
dot3adAggActorOperKey								Y				Y ⁹		Y
dot3adAggPartnerSystemID								Y				Y ¹ ₁		Y
dot3adAggPartnerSystemPriority								Y				Y ¹ ₃		Y
dot3adAggPartnerOperKey								Y				Y ¹ ₅		Y
dot3adAggCollectorMaxDelay							Y	Y				Y ¹ ₇		Y
GroupNumber								Y				Y ¹ ₉		Y
AggregationProtocolType								Y				Y ² ₀		Y
MacAddress								Y				Y ² ₁		Y
ChannelAdminStatus								Y				Y ² ₂		Y
ChannelOperStatus								Y				Y ² ₃		Y
lagLoadBalancingType														

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
bandWidth														
LinkType														
Link Type														
nonRevertive														
IMO Name—IEthernet														
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Duplex Mode														
Output Flow Control														
Input Flow Control														
IANA Type	Y			Y	Y	Y				Y		Y		
Containing CTPs														
Contained CTPs														
Port Type														
isElmiEnabled														Y
isLOAMEnabled	Y	Y	Y	Y	Y		Y	Y				Y		Y
AutoNegotiate						Y			Y		Y		Y	Y
FCID (Soft Property)														
WWN (Soft Property)														
FlowControl														
IMO Name—IVlanInterface														
Mode														Y
Native VLAN Identification				Y										
Virtual LAN Table							Y							
IANA Type				Y					Y					
Containing CTPs														
Contained CTPs														
vlanAdminType														Y
vlanencapType														Y
getAccess														
Allowed Vlans														Y
IMO Name—IVlanEncapMux														
IANA Type				Y										Y
Containing CTPs														
Contained CTPs														
discoveryProtocols														
ingressPolicy														

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
egressPolicy														
controlPolicy														
type														
ID														
egressSpeed														
ingressSpeed														
IMO Name—IVlanMapping														
direction														Y
vlanMatchCriteria														Y
vlanRewriteDefinition														Y
Drop														Y
Vlan														Y
innerVlan														Y
translatedVlan														Y
translatedInnerVlan														Y
IMO Name—IClientBridgeEfp														
efpId														
interfaceName														
translatedInnerVLAN														
vlan														
innerVlan														
operationalState														
administrativeState														
translatedVlan														
RewriteDefinition														
VlanMatchCriteria														
IMO Name—IIEEE802														
VLAN Identification	Y			Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Binding Information														
Binding Status														
IANA Type						Y	Y	Y		Y	Y	Y	Y	Y
Containing CTPs														
Contained CTPs														
IMO Name—IStpService														
StpProtocol	Y											Y		Y
StpMaxAge	Y								Y			Y		Y

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
StpHelloTime	Y								Y			Y		Y
StpBridgeForwardDelay	Y								Y			Y		Y
StpInstanceInfoTable	Y								Y			Y		Y
Same as ISystemService														
StpUplinkFastState	Y								Y			Y		Y
StpBackboneFastState	Y								Y			Y		Y
StpForwardDelay	Y											Y		Y
StpBridgeMaxAge	Y											Y		Y
StpBridgeHelloTime	Y											Y		Y
IMO Name—IMstService														
MstProperties														
Same as IStpService														
IMO Name—IPvstpService														
UpLinkFast	Y											Y		Y
BackboneFast	Y											Y		Y
IMO Name—IMstProperties														
MstForceVersion	Y											Y		
MstCfgIdFmtSel	Y											Y		Y
MstExternalRootCost	Y											Y		Y
MstMaxInstances	Y											Y		Y
MstCfgIdName	Y											Y		Y
MstCfgIdRevLevel	Y											Y		Y
IMO Name—IStpInstanceInfo														
Object Identification														
StpBridgeId	Y											Y		Y
BridgePriority	Y											Y		Y
Designated Parent and Root Bridges	Y								Y			Y		Y
StpRootCost	Y								Y			Y		Y
IsRoot	Y								Y			Y		Y
StpRootPort	Y								Y			Y		Y
StpPortInfoTable	Y											Y		Y
STP Instance Id	Y								Y			Y		Y
Vlan Id									Y					
StpDesignatedBridge	Y											Y		Y
StpDesignatedRoot	Y											Y		Y

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
IMO Name—IMstInstanceInfo														
MstVlanIds	Y											Y		Y
Same as IStpInstanceInfo	Y											Y		Y
IMO Name—IPvstpInstanceInfo														
Protocol Type	Y								Y			Y		Y
StpBridgeMaxAge	Y								Y			Y		Y
StpBridgeHelloTime	Y								Y			Y		Y
StpBridgeForwardDelay	Y								Y			Y		Y
StpProtocolSpecification	Y											Y		Y
StpVlanId	Y											Y		Y
StpForwardDelay	Y											Y		Y
StpMaxAge	Y											Y		Y
IMO Name—IRstpInstanceInfo														
StpForceVersion	Y											Y		
Same as IStpInstanceInfo	Y											Y		Y
IMO Name—IStpPortInfo														
StpPort									Y			Y		Y
StpPortPriority									Y			Y		Y
StpPortState									Y			Y		Y
StpPortPathCost									Y			Y		Y
StpPortEdgePort									Y			Y		Y
StpPortPointToPoint									Y			Y		Y
StpPortRole									Y			Y		Y
StpDesignatedPortIdentifier												Y		Y
StpDesignatedBridge												Y		Y
StpPortIdentifier												Y		Y
StpPortBpduGuardState												Y		Y
StpPortBpduFilterState												Y		Y
IMO Name—IMstPortInfo														
MstPortHelloTime												Y		Y
Same as IStpPortInfo												Y		Y
IMO Name—IPvstpPortInfo														
PvstpPortFastState												Y		Y
IMO Name—IEthernetChannel														
Group Number	Y				Y	Y	Y	Y	Y	Y ³ ₁		Y ³ ₂		Y

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
Bandwidth	Y							Y	Y	Y ³ ₄		Y ³ ₅		Y
Aggregation Protocol								Y	Y	Y ³ ₈		Y ³ ₉		Y
IANA Type	Y		Y		Y	Y		Y	Y	Y ⁴ ₁		Y ⁴ ₂		Y
Containing CTPs														
Contained CTPs														
Mac Address										Y ⁴ ₄				Y
Admin Status										Y ⁴ ₅				Y
Oper Status										Y ⁴ ₆				Y
Link Type														
IMO Name—ITokenRingLayer2														
MAC Address														
IANA Type														
Containing CTPs														
Contained CTPs														
IMO Name—ITokenRingLayer1														
Same as IPhysicalLayer														
IMO Name—IBridge														
Bridge Table	Y											Y		Y
Type	Y											Y		Y
MAC Address	Y											Y		Y
IP Interface	Y											Y		Y
Name	Y					Y						Y		Y
Logical Sons	Y					Y						Y		Y
Vlan Type					Y									
IMO Name—IBridgeEntry														
Destination MAC	Y					Y						Y		Y
Outgoing Interface	Y					Y						Y		Y
IMO Name—IVtpService														
Version				Y			Y							Y
OperatingMode				Y			Y							Y
DomainName				Y			Y							Y

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
ConfigurationRevision				Y			Y							Y
isPruningEnabled				Y			Y							Y
isAuthenticationEnabled				Y			Y							Y
IMO Name—IREPService														
version														Y
administrativeVlan														Y
notificationEnabled														Y
IMO Name—IREPSegmentInfo														
segmentId														Y
segmentComplete														Y
IMO Name—IREPPortInfo														
portName														Y
portKey														Y
segmentId														Y
portType														Y
portRole														Y
operStatus														Y
blockedVlans														Y
preemptTimer														Y
lslAgeoutTimer														Y
remoteDeviceName														Y
remoteDeviceMac														Y
remotePortName														Y
configuredLoadBalancingBlockedVlans														Y
IMO Name—IBridgeILan														
Id														
IMO Name—IIBBridgeEntry														
IS Id														
IBridge														
BBridge														
IMO Name—IEfp														
egressSpeed														
ingressSpeed														
IMO Name—IG8032Service														
profileContainer														

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
ringContainer														
IMO Name—IG8032ProfileContainer														
g8032Profiles														
IMO Name—G8032RingContainer														
rings														
chassisNodeId														
tcnPropagate														
IMO Name—IG8032Profile														
profileName														
wtrInterval														
guardInterval														
holdOffTimer														
modeType														
IMO Name—IG8032Ring														
instances														
ringName														
ringType														
excludedVlanIDs														
iG8032RingPortsEntry														
IMO Name—IG8032RingPortsEntry														
portNumber														
localPort														
monitorInterface														
blockedVlanIDs														
unblockedVlanIDs														
IMO Name—IG8032Instance														
id														
instanceDescription														
profile														
includedVlanIDs														
rplPortRole														
apsChannelLevel														
port0ApsChannel														
port1ApsChannel														
g8032ConfigurationState														

Table 11-159 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
nodeType														
nodeState														
port0State														
port1State														
IMO Name—IG8032ConfigurationState														
configState														
unresolvedReason														

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—ILinkAggregationGroup802dot3ad													
dot3adAggMACAddress		Y ²	Y	Y					Y		Y	Y	
dot3adAggActorSystemPriority		Y ⁴	Y	Y					Y		Y	Y	
dot3adAggActorSystemID		Y ⁶	Y	Y					Y		Y	Y	
dot3adAggActorAdminKey		Y ⁸	Y	Y					Y		Y	Y	
dot3adAggActorOperKey		Y ¹⁰	Y	Y					Y		Y	Y	
dot3adAggPartnerSystemID		Y ¹²	Y	Y					Y		Y	Y	
dot3adAggPartnerSystemPriority		Y ¹⁴	Y	Y					Y		Y	Y	
dot3adAggPartnerOperKey		Y ¹⁶	Y	Y					Y		Y	Y	
dot3adAggCollectorMaxDelay		Y ¹⁸	Y	Y					Y		Y	Y	
GroupNumber		Y	Y	Y					Y		Y	Y	
AggregationProtocolType		Y	Y	Y					Y		Y	Y	
MacAddress		Y	Y	Y					Y		Y	Y	
ChannelAdminStatus		Y	Y	Y					Y		Y	Y	
ChannelOperStatus		Y	Y	Y					Y		Y	Y	
lagLoadBalancingType													
bandWidth													
LinkType													

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
Link Type													
nonRevertive													
IMO Name—IEthernet													
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Duplex Mode											Y		
Output Flow Control											Y		
Input Flow Control													
IANA Type	Y		Y	Y									
Containing CTPs													
Contained CTPs													
Port Type													
isElmiEnabled											Y	Y	
isLOAMEnabled				Y		Y	Y	Y	Y		Y	Y	
AutoNegotiate	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
FCID (Soft Property)													
WWN (Soft Property)													
FlowControl													
IMO Name—IVlanInterface													
Mode						Y					Y	Y	
Native VLAN Identification						Y					Y		
Virtual LAN Table													
IANA Type													
Containing CTPs													
Contained CTPs													
vlanAdminType		Y									Y	Y	
vlanencapType		Y									Y	Y	
getAccess													
Allowed Vlans		Y									Y	Y	
IMO Name—IVlanEncapMux													
IANA Type						Y					Y		
Containing CTPs													
Contained CTPs													
discoveryProtocols													
ingressPolicy													

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
egressPolicy													
controlPolicy													
type													
ID													
egressSpeed													
ingressSpeed													
IMO Name—IVlanMapping													
direction									Y				
vlanMatchCriteria									Y				
vlanRewriteDefinition									Y				
Drop									Y				
Vlan									Y				
innerVlan									Y				
translatedVlan									Y				
translatedInnerVlan									Y				
IMO Name—IClientBridgeEfp													
efpId													
interfaceName													
translatedInnerVLAN													
vlan													
innerVlan													
operationalState													
administrativeState													
translatedVlan													
RewriteDefinition													
VlanMatchCriteria													
IMO Name—IEEE802													
VLAN Identification	Y	Y		Y	Y	Y			Y	Y	Y	Y	
Binding Information													
Binding Status													
IANA Type	Y	Y		Y	Y	Y			Y	Y	Y	Y	
Containing CTPs													
Contained CTPs													

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IStpService													
StpProtocol				Y		Y				Y		Y	
StpMaxAge						Y				Y		Y	
StpHelloTime						Y				Y		Y	
StpBridgeForwardDelay						Y				Y		Y	
StpInstanceInfoTable				Y ² ₄		Y				Y		Y	
Same as ISystemService													
StpUplinkFastState						Y				Y		Y	
StpBackboneFastState						Y				Y		Y	
StpForwardDelay				Y ² ₅		Y				Y		Y	
StpBridgeMaxAge				Y ² ₆		Y				Y		Y	
StpBridgeHelloTime				Y ² ₇		Y				Y		Y	
IMO Name—IMstService													
MstProperties													
Same as IStpService													
IMO Name—IPvstpService													
UpLinkFast						Y				Y		Y	
BackboneFast						Y				Y		Y	
IMO Name—IMstProperties													
MstForceVersion				Y		Y				Y	Y		
MstCfgIdFmtSel				Y		Y				Y	Y	Y	
MstExternalRootCost				Y		Y				Y	Y	Y	
MstMaxInstances				Y		Y				Y	Y	Y	
MstCfgIdName						Y				Y	Y	Y	
MstCfgIdRevLevel						Y				Y	Y	Y	
IMO Name—IStpInstanceInfo													
Object Identification													
StpBridgeId						Y				Y		Y	
BridgePriority						Y				Y		Y	
Designated Parent and Root Bridges				Y		Y				Y		Y	

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
StpRootCost				Y		Y				Y		Y	
IsRoot				Y		Y				Y		Y	
StpRootPort				Y		Y				Y		Y	
StpPortInfo Table				Y		Y				Y		Y	
STP Instance Id				Y		Y				Y		Y	
Vlan Id				Y									
StpDesignatedBridge						Y				Y		Y	
StpDesignatedRoot						Y				Y		Y	
IMO Name—IMstInstanceInfo													
MstVlanIds				Y		Y				Y	Y	Y	
Same as IStpInstanceInfo				Y		Y				Y	Y	Y	
IMO Name—IPvstpInstanceInfo													
Protocol Type						Y				Y		Y	
StpBridgeMaxAge						Y				Y		Y	
StpBridgeHelloTime						Y				Y		Y	
StpBridgeForwardDelay						Y				Y		Y	
StpProtocolSpecification						Y				Y		Y	
StpVlanId						Y				Y		Y	
StpForwardDelay						Y				Y		Y	
StpMaxAge						Y				Y		Y	
IMO Name—IRstpInstanceInfo													
StpForceVersion						Y				Y			
Same as IStpInstanceInfo						Y				Y		Y	
IMO Name—IStpPortInfo													
StpPort				Y		Y				Y		Y	
StpPortPriority				Y		Y				Y		Y	
StpPortState				Y		Y				Y		Y	
StpPortPathCost				Y		Y				Y		Y	
StpPortEdgePort				Y		Y				Y		Y	
StpPortPointToPoint				Y		Y				Y		Y	
StpPortRole				Y		Y				Y		Y	
StpDesignatedPortIdentifier						Y				Y		Y	
StpDesignatedBridge						Y				Y		Y	
StpPortIdentifier						Y				Y		Y	

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
StpPortBpduGuardState						Y				Y		Y	
StpPortBpduFilterState						Y				Y		Y	
IMO Name—IMstPortInfo													
MstPortHelloTime				Y		Y ² ₈				Y	Y	Y	
Same as IStpPortInfo				Y		Y ² ₉				Y	Y	Y	
IMO Name—IPvstpPortInfo													
PvstpPortFastState						Y ³ ₀				Y		Y	
IMO Name—IEthernetChannel													
Group Number		Y	Y ³ ₃	Y	Y		Y	Y	Y		Y	Y	
Bandwidth		Y	Y ³ ₆	Y	Y		Y	Y	Y ³ ₇		Y	Y	
Aggregation Protocol		Y	Y ⁴ ₀	Y	Y		Y	Y	Y		Y	Y	
IANA Type	Y	Y	Y ⁴ ₃	Y	Y		Y	Y	Y		Y	Y	
Containing CTPs													
Contained CTPs													
Mac Address					Y						Y		
Admin Status					Y						Y		
Oper Status					Y						Y		
Link Type													
IMO Name—ITokenRingLayer2													
MAC Address													
IANA Type													
Containing CTPs													
Contained CTPs													
IMO Name—ITokenRingLayer1													
Same as IPhysicalLayer													
IMO Name—IBridge													
Bridge Table	Y		Y		Y			Y		Y	Y		
Type	Y		Y		Y			Y		Y	Y		
MAC Address	Y				Y			Y		Y	Y		

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IP Interface	Y		Y		Y			Y		Y	Y		
Name	Y	Y	Y		Y			Y		Y	Y		
Logical Sons	Y	Y	Y		Y			Y		Y	Y		
Vlan Type			Y							Y			
IMO Name—IBridgeEntry													
Destination MAC	Y		Y		Y			Y		Y	Y		
Outgoing Interface	Y		Y		Y			Y		Y	Y		
IMO Name—IVtpService													
Version				47						Y		Y	
OperatingMode				48						Y		Y	
DomainName				49						Y		Y	
ConfigurationRevision				50						Y		Y	
isPruningEnabled				51						Y		Y	
isAuthenticationEnabled				52						Y		Y	
IMO Name—IREPService													
version						Y ⁵ ₃					Y	Y	
administrativeVlan						Y ⁵ ₄					Y	Y	
notificationEnabled						Y ⁵ ₅					Y	Y	
IMO Name—IREPSegmentInfo													
segmentId						Y ⁵ ₆					Y	Y	
segmentComplete						Y ⁵ ₇					Y	Y	
IMO Name—IREPPortInfo													
portName						Y ⁵ ₈					Y	Y	
portKey						Y ⁵ ₉					Y	Y	
segmentId						Y ⁶ ₀					Y	Y	
portType						Y ⁶ ₁					Y	Y	
portRole						Y ⁶ ₂					Y	Y	

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
operStatus						Y ⁶ ₃					Y	Y	
blockedVlans						Y ⁶ ₄					Y	Y	
preemptTimer						Y ⁶ ₅					Y	Y	
IslAgeoutTimer						Y ⁶ ₆					Y	Y	
remoteDeviceName						Y ⁶ ₇					Y	Y	
remoteDeviceMac						Y ⁶ ₈					Y	Y	
remotePortName						Y ⁶ ₉					Y	Y	
configuredLoadBalancingBlockedVlans						Y ⁷ ₀					Y	Y	
IMO Name—IBridgeLan													
Id				Y									
IMO Name—IIBridgeEntry													
IS Id				Y									
IBridge				Y									
BBridge				Y									
IMO Name—IEfp													
egressSpeed													
ingressSpeed													
IMO Name—IG8032Service													
profileContainer													
ringContainer													
IMO Name—IG8032ProfileContainer													
g8032Profiles													
IMO Name—G8032RingContainer													
rings													
chassisNodeId													
tcnPropagate													

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IG8032Profile													
profileName													
wtrInterval													
guardInterval													
holdOffTimer													
modeType													
IMO Name—IG8032Ring													
instances													
ringName													
ringType													
excludedVlanIDs													
iG8032RingPortsEntry													
IMO Name—IG8032RingPortsEntry													
portNumber													
localPort													
monitorInterface													
blockedVlanIDs													
unblockedVlanIDs													
IMO Name—IG8032Instance													
id													
instanceDescription													
profile													
includedVlanIDs													
rplPortRole													
apsChannelLevel													
port0ApsChannel													
port1ApsChannel													
g8032ConfigurationState													
nodeType													
nodeState													
port0State													
port1State													

Table 11-160 Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IG8032ConfigurationState													
configState													
unresolvedReason													

1, 2, 3, 4, 5, 6, 7Supported in IOS version 12.2(33)SRD1 and 12.2(40)T only.
 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25Supported in IOS versions 12.2(33)SRD1 and 12.2(40)T only.
 26, 27, 28, 29, 30, 31, 32, 33, 34LAG is not supported for 12.0(33)S1
 35, 37, 38Added show lacp bundle from Prime Network 3.6.3.1, From XR 4.0, we use show lacp instead of show lacp bundle
 36In Prime Network Prime Network 3.8 , the command 'show interface \$ifDescr\$' is used to show bandwidth . Added show lacp bundle from Prime Network 3.6.3.1, From XR 4.0, we use show lacp instead of show lacp bundle
 39Array of Spanning Tree Protocol Bridge information
 40Only the Bridge Forward Delay is supported and not the Current value.
 41Only the Bridge Max Age is supported and not the Current value.
 42Only the Bridge Hello Time is supported and not the Current value.
 43, 44, 45, 46, 47, 48The MIB provides data by default, but the device does not support VTP.
 49, 50, 51Supported only for 12.2(33)MRA
 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69REP Supported only on IOS 12.2(33)MRA(CSR 3.2)
 70This property was earlier updated by framework. From Prime Network 3.8 onwards, vne-drivers is populating this attribute.

ATM

Table 11-161 ATM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IAtm																						
ATM Address			Y	Y	Y	Y		Y		Y	Y	Y	Y	Y					Y	Y	Y	
Interface Type										Y						Y	Y					Y
VP and VC Ranges			Y		Y	Y	Y			Y												
VC Table		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
Cross-Connect Table																						
IANA Type		Y	Y	Y	Y			Y			Y	Y	Y	Y	Y	Y	Y		Y	Y		
Containing CTPs																						
Contained CTPs																						
Tx Allocated Bandwidth										Y	Y		Y	Y		Y	Y		Y	Y	Y	Y

Table 11-161 ATM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
Tx Maximum Bandwidth										Y	Y		Y	Y		Y	Y		Y	Y	Y
Tx UBR Allocated Bandwidth										Y	Y		Y	Y		Y			Y	Y	Y
Tx CBR Allocated Bandwidth										Y	Y		Y	Y		Y			Y	Y	Y
Rx Allocated Bandwidth										Y	Y		Y	Y		Y	Y		Y	Y	Y
Rx Maximum Bandwidth										Y	Y		Y	Y		Y	Y		Y	Y	Y
Rx UBR Allocated Bandwidth										Y	Y		Y	Y		Y			Y	Y	Y
Rx CBR Allocated Bandwidth										Y	Y		Y	Y		Y			Y	Y	Y
IMO Name—IAtmVc																					
Virtual Channel Identifier	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Virtual Path Identifier	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Shaping Profile																					
Discarded and Received Input Data Counters	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y
Dropped and Forward Output Data Counters	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y
Ingress Traffic Descriptor	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Egress Traffic Descriptor	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Administrative Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Operational Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
IANA Type	Y									Y						Y	Y				
Containing CTPs																					
Contained CTPs																					
IMO Name—IAtmTrafficDescriptor																					
Traffic Descriptor Type			Y	Y				Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Service Category			Y	Y				Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Cell Loss Priority			Y	Y			Y	Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Cell Delay Variation							Y														
Cell Delay Variation Tolerance			Y	Y			Y	Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Maximum High Priority and Aggregate Cell Rates	Y		Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Minimum High Priority and Aggregate Cell Rates	Y		Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Sustainable High Priority and Aggregate Cell Rates	Y		Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y

Table 11-161 ATM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Peak High Priority and Aggregate Cell Rates	Y		Y	Y				Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	
Name																						
Index											Y		Y	Y	Y	Y	Y		Y	Y	Y	
IMO Name—IAtmTrafficShapingDescriptor																						
Maximum Burst Size																						
Sustainable and Peak Cell Rates																						
Cell Delay Variation																						
State																						
Buffer Size																						
Cell Loss Priority Discarded Size																						
Name																						
Index																						
IMO Name—IAtmTrunk																						
Same as IAtm																						
IMO Name—IAtmLogicalPort/Trunk																						
Resource Management Cell Termination																						
Resource Management Cell Generation																						
Effective Check Input and Output Capacities																						
Admin Status																						
Oper Status																						
Same as IAtm																						
IMO Name—IAtmTrunkVc																						
Destination Description																						
Same as IAtmVc																						
IMO Name—IvcSwitchingEntity																						
Cross Connect Table										Y				Y							Y	
crossConnectTableSize										Y				Y							Y	
Logical Sons				Y																		
IMO Name—IIMAGroup																						
AdminStatus										Y				Y							Y	

Table 11-161 ATM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
OperStatus										Y				Y							Y	
GroupNumber										Y				Y							Y	
ImaVersion										Y				Y							Y	
Speed										Y				Y							Y	
ConfiguredBandwidth										Y				Y							Y	
NumberOfLinks										Y				Y							Y	
NumberOfActiveLinks										Y				Y							Y	
MinimumNumberOfTxLinks										Y				Y							Y	
MinimumNumberOfRxLinks										Y				Y							Y	
ClockMode										Y				Y							Y	
FrameLength										Y				Y							Y	
interfaceName										Y				Y							Y	
groupStatus										Y				Y							Y	

Frame Relay

Table 11-162 Frame Relay Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IFrameRelay/IFrTrunk																						
Protocol Type		Y						Y		Y		Y		Y	Y	Y			Y			
VC Table		Y	Y	Y				Y		Y		Y		Y		Y			Y			
Cross-Connect Table																						
IANA Type															Y							
Containing CTPs																						
Contained CTPs																						
IMO Name—IFrVc																						
Data Link Connection Identifier		Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y			Y			
Traffic Descriptor		Y	Y	Y				Y		Y		Y		Y	Y	Y			Y			
Discard and Received Input Data Counters																						

Table 11-162 Frame Relay Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Dropped and Forward Output Data Counters																						
Ingress Traffic Descriptor		Y	Y					Y		Y		Y		Y	Y	Y			Y			
Egress Traffic Descriptor		Y	Y					Y		Y		Y		Y	Y	Y			Y			
Administrative Status		Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y			Y			
Operational Status		Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y			Y			
IANA Type				Y						Y		Y										
Containing CTPs																						
Contained CTPs																						
IMO Name—IFRTrafficDescriptor																						
Committed Rate		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y			Y			
Excess Burst Rate		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y			Y			
Name							Y															
Index							Y			Y												
IMO Name—IFrameRelayLogicalPort/Trunk																						
Admin Status										Y												
Oper Status										Y												
Same as IFrameRelay												Y				Y						
IMO Name—IFrTrunkVc																						
Destination Description																						
Same as IFrVc																						
IMO Name—IEncapsulation																						
Virtual Connection Interface		Y	Y					Y		Y		Y		Y	Y	Y			Y	Y		
Binding Information							Y								Y							

PPP

Table 11-163 PPP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IvcbasedEncapsulation																						
Virtual Connection							Y										Y	Y				

Table 11-163 PPP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
Binding Information				Y		Y	Y		Y								Y	Y			
Binding Status		Y	Y	Y		Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y		Y	
IANA Type		Y	Y	Y		Y		Y		Y		Y		Y	Y	Y	Y	Y		Y	
Containing CTPs																	Y	Y			
Contained CTPs																	Y	Y			
IMO Name—IMLPPP																					
InterfaceName										Y				Y	Y	Y	Y	Y	Y	Y	
GroupNumber										Y				Y	Y	Y	Y	Y	Y	Y	
MTU										Y				Y	Y	Y	Y		Y	Y	
FragmentDelay										Y				Y	Y	Y			Y	Y	
FragmentDisable										Y				Y	Y	Y	Y	Y	Y	Y	
FragmentMaximum										Y				Y	Y	Y			Y	Y	
FragmentSize										Y				Y	Y	Y			Y	Y	
Interleave										Y				Y	Y	Y	Y	Y	Y	Y	
Keepalive										Y				Y	Y	Y	Y	Y	Y	Y	
KeepaliveTime										Y				Y	Y	Y	Y	Y	Y	Y	
KeepaliveRetry										Y				Y	Y	Y			Y	Y	
ActiveLink										Y				Y	Y	Y	Y	Y	Y	Y	
MinimumConfiguredLink										Y				Y	Y	Y			Y	Y	
MaximumConfiguredLink										Y				Y	Y	Y			Y	Y	
LocalMRRU										Y				Y	Y	Y	Y		Y	Y	
RemoteMRRU										Y				Y	Y	Y	Y		Y	Y	
LoadThreshold										Y				Y	Y	Y			Y	Y	
LCPSStatus										Y				Y	Y	Y	Y		Y	Y	
AdminStatus										Y				Y	Y	Y	Y		Y	Y	
OperStatus										Y				Y	Y	Y	Y		Y	Y	

HDLC

Table 11-164 HDLC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IEncapsulation (HDLC/PPP)																					
Virtual Connection		Y	Y				Y		Y	Y	Y	Y	Y	Y	Y	Y		Y			
Binding Information							Y		Y	Y	Y		Y	Y				Y			
Binding Status		Y	Y	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			
IANA Type		Y	Y	Y		Y				Y		Y		Y	Y	Y		Y			
Containing CTPs																					
Contained CTPs																					

SONET/SDH

Table 11-165 SONET/SDH Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—ISonetSdh																					
Specific Type																		Y			
Loopback Type					Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
Scrambling Mode		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y			Y		
Same as IPhysicalLayer											Y		Y								
TCAThresholdB1																	Y	Y			
TCAThresholdB2																	Y	Y			
TCAThresholdB3																	Y	Y			
clocking																	Y	Y			
IMO Name—IDS1PdhChannelized																					
Au4Number										Y				Y	Y	Y					
Au3Number										Y				Y	Y	Y	Y	Y			
Sts1Number														Y	Y	Y	Y	Y			
Sts3CNumber																	Y	Y			
Sts12CNumber																	Y	Y			
Tug3Number										Y				Y	Y	Y					

Table 11-165 SONET/SDH Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Tug2Number										Y				Y	Y	Y						
VtNumber														Y	Y	Y	Y	Y				
C11Number														Y	Y	Y						
C12Number										Y				Y	Y	Y						
Vt15Number														Y	Y	Y	Y	Y				
Vt2Number														Y	Y	Y						
T1Number										Y				Y	Y	Y	Y	Y				
T3Number																	Y	Y				
E1Number										Y				Y	Y	Y	Y	Y				
E3Number																	Y	Y				
PathType										Y				Y	Y	Y	Y	Y				
Description										Y				Y	Y	Y	Y	Y				
IMO Name—ISonetSdhHop																						
Description										Y				Y	Y	Y	Y	Y				
AppliqueType										Y				Y	Y	Y	Y	Y				
PathType										Y				Y	Y	Y	Y	Y				
IMO Name—ISonetSts1																						
Sts1Number														Y	Y	Y	Y	Y				
IMO Name—ISdhAu4																						
Au4Number										Y				Y	Y	Y						
IMO Name—ISdhAu3																						
Au3Number										Y				Y	Y	Y	Y	Y				

TDM/DSx

Table 11-166 TDM/DSx Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IDS0Bundle																						
Bundled Time Slots	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y		Y				
Bundle Location	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y		Y	Y	Y	Y	Y				
IANA Type	Y	Y	Y	Y			Y		Y	Y				Y			Y	Y				

Table 11-166 TDM/DSx Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Containing CTPs																						
Contained CTPs																						
AdminStatus										Y				Y			Y	Y				
OperStatus										Y				Y			Y	Y				
Encapsulation										Y				Y				Y				
Id										Y				Y				Y				
IMO Name—IDS1Pdh / IDS3Pdh																						
Framing Type								Y														
Cell Mapping Type								Y														
Loopback Type																						
Scrambling Mode	Y	Y	Y	Y		Y	Y		Y	Y ¹		Y		Y	Y	Y			Y	Y ²		
Same as IPhysicalLayer																						
portDescription				Y			Y			Y				Y			Y	Y			Y ³	
internationalBit				Y			Y							Y							Y ⁴	
nationalBits				Y			Y							Y							Y ⁵	
framing				Y			Y			Y				Y				Y			Y ⁶	
lineCode				Y			Y			Y ⁷				Y							Y ⁸	
cableLength				Y			Y			Y ⁹				Y							Y ¹⁰	
recoveredClockingId				Y						Y ¹¹				Y							Y ¹²	
clocking				Y			Y			Y				Y			Y	Y			Y ¹³	
loopback				Y			Y			Y				Y							Y ¹⁴	
alarmState				Y						Y ¹⁵				Y			Y	Y			Y ¹⁶	
IMO Name—IClockService																						
ActiveClockSource														Y ¹⁷							Y	
NcsMode														Y ¹⁸							Y	
HoldTimeout														Y ¹⁹							Y	
UseStratum4														Y ²⁰							Y	

Table 11-166 TDM/DSx Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Mode														Y							Y	
NcsPriorityList														Y							Y	
PtpService														Y							Y	
ClockSourceTable																						
PseudowireClockRecovery																						
SynchronousEthernet																						
IMO Name—IClockSource																						
Priority														Y							Y	
Source														Y							Y	
Status														Y							Y	
Type														Y							Y	
IMO Name—IPtpService																						
Mode														Y							Y	
ClockId														Y							Y	
Domain														Y							Y	
Priority1														Y							Y	
Priority2														Y							Y	
PtpEnabled														Y							Y	
PtpInterfaceList														Y							Y	
ptpState														Y								
IMO Name—IPtpInterface																						
Version														Y							Y	
AnnounceInterval														Y							Y	
AnnounceTimeout														Y							Y	
DestinationAddress														Y							Y	
SourceAddress														Y							Y	
DelayReq														Y							Y	
MasterMode														Y							Y	
SlaveMode														Y							Y	
SyncInterval														Y							Y	
SyncLimit														Y							Y	
InterfaceXid														Y							Y	
Role														Y								
Transport														Y								

Table 11-166 TDM/DSx Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
State														Y								
IMO Name—IACRService																						
RecoveredClockSource														Y							Y	
RecoveredClockMode														Y							Y	
CemInterface														Y							Y	
RecoveredClockList														Y							Y	
IMO Name—IRecoveredClock																						
ClockId														Y							Y	
RecoveredClockMode														Y							Y	
Port														Y							Y	
Cem														Y							Y	
Status														Y							Y	
FrequencyOffset														Y							Y	
CEMGroupId														Y								
CEMInterfaceName														Y								
TransferType														Y								
IMO Name—ICEMEncap																						
cemIfName														Y						Y	Y	
IMO Name—ICEMGroup																						
IdlePattern														Y						Y	Y	
IdleCAS														Y						Y	Y	
DeJitter														Y						Y	Y	
PayloadSize														Y						Y	Y	
RTP														Y						Y	Y	
RTPHeader														Y						Y	Y	
TimeSlots														Y						Y	Y	
AdminStatus														Y						Y	Y	
OperStatus														Y						Y	Y	
IMO Name—ISyncE																						
synchronousMode														Y								
equipmentClock														Y								
clockMode														Y								
ssmOption														Y								
esmMode														Y								

Table 11-166 TDM/DSx Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
holdOffTimer														Y								
waitToRestore														Y								
Revertive														Y								
IMO Name—ISyncEInterface																						
InterfaceName																						
selectionInput														Y								
ingressESMCMODE														Y								
egressESMCMODE														Y								
ingressQLMODE														Y								
ingressQuality														Y								
egressQLMODE														Y								
egressQuality														Y								
waitToRestore														Y								
holdOffTimer														Y								
ingressConfQuality														Y								
egressConfQuality														Y								
Priority														Y								
ingressSSM														Y								
egressSSM														Y								
clockModeStr														Y								

^{1, 2, 3, 4, 5}Supported only for DS1

^{6, 7, 8, 9}SNMP is used for versions starting from 15.0(1)S

^{10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}Not Supported on IOS 12.2(33)MRA (CSR3.2)

MPLS

Table 10- 117 provides MPLs attributes support on Cisco Routers 800 to 7600 and Table 10-118 provides MPLS attributes support on Cisco Routers.

Table 11-167 MPLS Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
IMO Name—IMpls														
Distribution Protocol								Y	Y	Y		Y		Y

Table 11-167 MPLS Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
LabelStack														
TopLabel														
Outer and Inner Labels														
Traffic Engineering Properties								Y		Y		Y		Y
Resource reservation Properties														
IANA Type								Y		Y				Y
Containing CTPs														
Contained CTPs														
IMO Name—ILse														
MPLS Table								Y		Y	Y	Y	Y	Y
MPLS Aggregate Table								Y		Y	Y	Y	Y	Y
MPLS Tunnel Segments					Y					Y	Y	Y	Y	Y
LDP Service										Y		Y		Y
Logical Sons								Y		Y	Y	Y	Y	Y
IMO Name—ILdpService														
Local Identification Status										Y		Y		Y
LDP Peers								Y	Y	Y		Y		Y
IMO Name—ILdpPeer														
Peer Identification								Y	Y	Y		Y		Y
Transport Address								Y	Y	Y		Y		Y
Distribution Method								Y	Y	Y		Y		Y
Protocol Type									Y	Y		Y		Y
Path Vector Limit								Y				Y		Y
Session Status								Y	Y	Y		Y		Y
Protocol Version Hold Time								Y	Y					
Hold Time								Y	Y	Y		Y		Y
Keep Alive Time								Y	Y					
Peer Discovery Sources								Y	Y	Y		Y		Y
IMO Name—ILdpDiscoverySource														
Interface Name								Y		Y		Y		Y
Source Address								Y		Y		Y		Y
Type								Y		Y		Y		Y
IMO Name—IMplsEntry														
Incoming Label								Y	Y	Y	Y	Y	Y	Y
Outgoing Interface and Label								Y	Y	Y	Y	Y	Y	Y
Switching Action								Y	Y	Y	Y	Y	Y	Y

Table 11-167 MPLS Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
Next Hop IP Address								Y	Y	Y	Y	Y	Y	Y
Destination Mask								Y		Y	Y	Y	Y	Y
Destination address								Y		Y	Y	Y	Y	Y
IMO Name—IMplsAggregateEntry														
Virtual Routing Entity								Y		Y		Y		Y
Incoming Label								Y		Y	Y	Y	Y	Y
Outgoing Interface and Label								Y		Y	Y	Y	Y	Y
Switching Action								Y		Y	Y	Y	Y	Y
Next Hop IP Address					Y			Y		Y	Y	Y	Y	Y
IMO Name—IMplsLabelRange														
Type					Y			Y	Y	Y		Y	Y	Y
minValue								Y	Y	Y		Y	Y	Y
MaxValue								Y	Y	Y		Y	Y	Y

Table 11-168 MPLS Attribute Support on Cisco Routers 10000 to ASR 5000—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IMpls													
Distribution Protocol	Y	Y	Y	Y	Y	Y					Y	Y	
LabelStack													
TopLabel													
Outer and Inner Labels			Y	Y									
Traffic Engineering Properties	Y	Y			Y	Y				Y	Y	Y	
Resource reservation Properties													
IANA Type	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Containing CTPs													
Contained CTPs													
IMO Name—ILse													
MPLS Table	Y	Y	Y	Y	Y	Y				Y	Y	Y	
MPLS Aggregate Table	Y	Y	Y	Y	Y	Y				Y	Y	Y	
MPLS Tunnel Segments	Y	Y	Y	Y	Y	Y				Y	Y	Y	
LDP Service	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Logical Sons	Y	Y	Y		Y	Y				Y	Y	Y	

Table 11-168 MPLS Attribute Support on Cisco Routers 10000 to ASR 5000—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—ILdpService													
Local Identification Status	Y	Y	Y	Y	Y	Y				Y	Y	Y	
LDP Peers	Y	Y	Y	Y	Y	Y				Y	Y	Y	
IMO Name—ILdpPeer													
Peer Identification	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Transport Address	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Distribution Method	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Protocol Type	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Path Vector Limit		Y			Y	Y				Y	Y	Y	
Session Status	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Protocol Version Hold Time													
Hold Time	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Keep Alive Time			Y	Y									
Peer Discovery Sources	Y	Y	Y	Y	Y	Y				Y	Y	Y	
IMO Name—ILdpDiscoverySource													
Interface Name	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Source Address	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Type	Y	Y	Y	Y	Y	Y				Y	Y	Y	
IMO Name—IMplsEntry													
Incoming Label	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Outgoing Interface and Label	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Switching Action	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Next Hop IP Address	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Destination Mask	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Destination address	Y	Y	Y	Y	Y	Y				Y	Y	Y	
IMO Name—IMplsAggregateEntry													
Virtual Routing Entity	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Incoming Label	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Outgoing Interface and Label	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Switching Action	Y	Y	Y	Y	Y	Y				Y	Y	Y	
Next Hop IP Address	Y	Y	Y	Y	Y	Y				Y	Y	Y	
IMO Name—IMplsLabelRange													
Type	Y	Y	Y	Y	Y	Y				Y	Y	Y	
minValue	Y	Y	Y	Y	Y	Y				Y	Y	Y	

Table 11-168 MPLS Attribute Support on Cisco Routers 10000 to ASR 5000—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
MaxValue	Y	Y	Y	Y	Y	Y				Y	Y	Y	

MPLS-TE

Table 11-169 MPLS-TE Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	
IMO Name—IMplsTETunnel																							
Destination Address								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹		
Outgoing Interface and Label								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ²		
LSP Identification								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ³		
Requested Bandwidth								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ⁴		
Measured Average Burst and Peak Bandwidth								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ⁵		
Setup and Hold Priority								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ⁶		
Affinity Bits and Mask								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ⁷		
Automatic Route Announcement Status								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ⁸		
Optimization Lock Down Status								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ⁹		
Path Option								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁰		
Name								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹¹		
Description								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹²		
Administrative Status								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹³		
Operational Status								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁴		
IANA Type								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁵		
is FRR Enabled								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁶		
TunnelType										Y				Y	Y	Y	Y	Y	Y	Y			

Table 11-169 MPLS-TE Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
DestinationAddress										Y				Y	Y	Y	Y	Y	Y		
Sub Lsp Status			Y							Y				Y	Y	Y	Y	Y	Y		
OutInterface			Y	Y														Y	Y		
OutLabel			Y	Y														Y	Y		
TunnelAffinity			Y	Y														Y	Y		
TunnelAffinityMask			Y	Y															Y		
TunnelAutoRoute			Y	Y						Y				Y	Y	Y	Y		Y		
TunnelBandwidthKbps			Y	Y														Y	Y		
TunnelAverageRateKbps			Y	Y														Y	Y		
TunnelBurstKbps			Y	Y														Y	Y		
TunnelPeakRateKbps			Y	Y														Y	Y		
TunnelSetupPriority			Y	Y															Y		
TunnelHoldPriority			Y	Y														Y	Y		
TunnelLockdown			Y	Y														Y	Y		
TunnelPolicyClass			Y	Y												Y	Y	Y	Y		
P2MPDestinations			Y	Y						Y				Y	Y	Y	Y	Y	Y		
IMO Name—IMplsTEProperties																					
Administrative Weight								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ² ₈
Attributes Identifier																	Y	Y			
Signaling Protocol								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ² ₉
Available Physical and Reservable Bandwidth								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ³ ₀
Reserved Bandwidth								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ³ ₁
IMO Name—IMplsTEPropertiesAllocationEntry																					
Priority Level									Y	Y					Y						
Allocated and Cumulative Bandwidth									Y	Y					Y						
IMO Name—IMplsTESegment																					
Segment Type								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ³ ₂
Measured Average Burst and Peak Bandwidth								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	Y ³ ₃

Table 11-169 MPLS-TE Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
LSP Identification								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ³ ₄	
Name								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ³ ₅	
FRRTunnelName								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y ³ ₆	
FRRTunnelState								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y ³ ₇	
AverageBandwidth								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ³ ₈	
In Interface								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ³ ₉	
Out interface								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ⁴ ₀	
In Label								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ⁴ ₁	
Out Label								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ⁴ ₂	
Source address								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ⁴ ₃	
Destination address								Y		Y		Y		Y	Y	Y	Y	Y	Y	Y ⁴ ₄	
TunnelType										Y				Y	Y	Y	Y	Y			

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 Not Supported in IOS 12.2(33)MRA (CSR3.2)

34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44 Multiprotocol Label Switching (MPLS)

MPLS-TP

Table 11-170 MPLS-TP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IMPLSTPGlobal																						
icc														Y								
globalId														Y				Y				

Table 11-170 MPLS-TP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
protectionMode														Y				Y				
redundancyMode														Y				Y				
routerId														Y				Y				
tpEnabledLinks														Y				Y				
lspEndpoints														Y				Y				
lspMidpoints														Y				Y				
mplsTpTunnelEps														Y				Y				
IMO Name—IMPLSTPTunnelEP																						
tunnelId														Y				Y				
remoteTunnelId														Y				Y				
globalId														Y				Y				
destGlobalId														Y				Y				
localInfo														Y				Y				
peerInfo														Y				Y				
adminStatus														Y				Y				
operStatus														Y				Y				
bandwidthTransmit														Y				Y				
bfdTemplate														Y								
workingLspNum														Y				Y				
protectLspNum														Y				Y				
wlBfdState														Y				Y				
plBfdState														Y				Y				
wlFaultOAM														Y				Y				
plFaultOAM														Y				Y				
pseudowireList														Y				Y				
direction														Y				Y				
lspEndPoints														Y				Y				
lspMidPoints														Y				Y				
internalId														Y				Y				
tpDescription														Y				Y				
PeerTunnelId														Y				Y				
PeerGlobalId														Y				Y				
MPLSTPDirection														Y				Y				
LinearProtection																						

Table 11-170 MPLS-TP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR3900
IMO Name—ILSPEntry																						
lspId														Y				Y				
internalId														Y				Y				
umc														Y				Y				
lspType														Y				Y				
IMO Name—ILSPMPEnt																						
fwdInLabel														Y				Y				
fwdOutLabel														Y				Y				
fwdBandwidth														Y				Y				
fwdOutInterface														Y				Y				
revInLabel														Y				Y				
revOutLabel														Y				Y				
revOutLinkId														Y				Y				
revBandwidth														Y				Y				
revOutInterface														Y				Y				
bandwidthDiff														Y				Y				
IMO Name—ILSPEPEnt																						
inLabel														Y				Y				
outLabel														Y				Y				
outLinkId														Y				Y				
bandwidth														Y				Y				
outInterface														Y				Y				
state														Y				Y				
IMO Name—ITPEnabledLink																						
linkId														Y				Y				
interfaceAddress														Y				Y				
nextHop														Y				Y				
IMO Name—IMPLSTPBfdSession																						
lspType														Y				Y				

VPN (VRF)

Table 11-171 VPN (VRF) Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IVrf																						
Virtual Routing Table									Y		Y		Y	Y		Y	Y ¹	Y	Y			
Exported Route Targets									Y	Y		Y		Y	Y		Y	Y	Y	Y		
Imported Route Targets									Y	Y		Y		Y	Y		Y	Y	Y	Y		
Route Distinguisher								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y		
ARP Entity						Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y		
Name								Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y		
Logical Sons					Y			Y	Y	Y		Y		Y	Y	Y			Y	Y		
Description								Y	Y	Y		Y		Y	Y	Y	Y	Y ²	Y	Y		
Import Route-Map								Y	Y	Y		Y		Y	Y	Y	Y	Y ³	Y	Y		
Export Route-Map								Y	Y	Y		Y		Y	Y	Y	Y	Y ⁴	Y	Y		
Multicast Routing Table																	Y	Y	Y			
IMO Name—IVrfEntry																						
Next Hop BGP Address								Y	Y	Y		Y		Y	Y	Y	Y	Y ⁵	Y	Y		
Incoming and Outgoing Inner Label								Y	Y	Y		Y		Y	Y	Y	Y	Y ⁶	Y	Y		
Outer Label								Y	Y	Y		Y		Y	Y	Y	Y	Y ⁷	Y	Y		
Destination IP Subnet								Y	Y	Y		Y		Y	Y	Y	Y	Y ⁸	Y	Y		
Next Hop IP Address								Y	Y	Y		Y		Y	Y	Y	Y	Y ⁹	Y	Y		
Type								Y	Y	Y		Y		Y	Y	Y	Y	Y ¹⁰	Y	Y		
Routing Protocol Type								Y	Y	Y		Y		Y	Y	Y	Y	Y ¹¹	Y	Y		
Outgoing Interface Name								Y	Y	Y		Y		Y	Y	Y	Y	Y ¹²	Y	Y		
IMO Name—IMpBgp																						
BGP Identifier	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Local Autonomous System				Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Cross Virtual Routing Table						Y		Y	Y	Y		Y		Y	Y	Y			Y	Y		
BGP Neighbors				Y		Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Logical Sons					Y			Y		Y		Y		Y	Y	Y	Y		Y	Y		

Table 11-171 VPN (VRF) Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR3900
IMO Name—ICrossVrf																						
Virtual Routing Entries										Y		Y		Y	Y	Y	Y	Y ¹ ₃	Y	Y		
Virtual Routing Entity Name										Y		Y		Y	Y	Y	Y	Y ¹ ₄	Y	Y		
IMO Name—ICrossVrfRoutingEntry																						
Outgoing Virtual Routing Entity Identifier																						
Incoming and Outgoing Virtual Routing Tags																						
Destination IP Subnet							Y		Y		Y		Y	Y	Y				Y	Y		
Next Hop IP Address							Y		Y		Y		Y	Y	Y				Y	Y		
Type							Y		Y		Y		Y	Y	Y				Y	Y		
Routing Protocol Type							Y		Y		Y		Y	Y	Y				Y	Y		
Outgoing Interface Name																						

1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 In Prime Network 372 Feb DP and earlier - show route vrf \$vrfName\$ afi-all From Prime Network 372 March DP - show route vrf all afi-all

2, 3, 4 In Prime Network 372 Feb DP and earlier - show vrf \$vrfName\$ ipv4 detail From Prime Network 372 March DP - show vrf all ipv4 detail; In Prime Network 372 Feb DP and earlier - show vrf \$vrfName\$ ipv6 detail From Prime Network 372 March DP - show vrf all ipv6 detail

PWE3

Table 11-172 PWE3 Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 901	ASR 903	MWR 2941	ISR1900	ISR2900	ISR 3900	
IMO Name—IPTPLayer2MplsTunnel																						
Local and Remote Router Addresses				Y	Y	Y		Y		Y	Y	Y	Y ¹	Y	Y	Y	Y	Y ²				Y
Local and Remote Virtual Connection Labels				Y		Y		Y		Y	Y	Y	Y ³	Y	Y	Y	Y	Y ⁴				Y
Tunnel Identification				Y	Y	Y		Y		Y	Y	Y	Y ⁵	Y	Y	Y	Y	Y ⁶				Y
Tunnel Status				Y	Y	Y		Y		Y	Y	Y	Y ⁷	Y	Y	Y	Y	Y ⁸				Y

Table 11-172 PWE3 Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 901	ASR 903	MWR 2941	ISR1900	ISR2900	ISR 3900	
Local and Remote Tunnel Interface					Y								Y ⁹									
IANA Type				Y		Y		Y		Y	Y	Y	Y ¹⁰	Y	Y	Y	Y	Y ¹¹				
Containing CTPs																						
Contained CTPs																						
PseudowireType						Y				Y		Y	Y	Y	Y	Y	Y	Y	Y ¹²			
PreferredPathTunnel						Y				Y		Y	Y	Y	Y	Y	Y	Y	Y ¹³			
LocalMTU						Y				Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁴			
RemoteMTU						Y				Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁵			
PeerStatus						Y				Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁶			
SignalingProtocol						Y				Y		Y	Y	Y	Y	Y	Y	Y	Y ¹⁷			
psuedowireRole				Y		Y		Y		Y		Y	Y	Y		Y	Y	Y	Y ¹⁸			
PeerRouterIp																						
LocalRouterIp																						
LocalVcLabel																						
PeerVcLabel																						
Saii																						
Taii																						
Agi																						

^{1, 2, 3, 4, 5, 6}Till Prime Network 3.6.2 show l2vpn xconnect detail | include (Group | AC: | PW:) show l2vpn xconnect group \$groupName\$ xc-name \$xcname\$ detail show l2vpn xconnect group \$groupName\$ detail From Prime Network 3.6.3 - show l2vpn xconnect detail

^{7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18}Supported only on IOS 12.2(33)MRA (CSR3.2)

Security

Table 11-173 Security Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR3900
IMO Name—IAccessList																						
Type	Y					Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y ¹	Y	Y	Y	Y	
Access List Entries	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ²	Y	Y	Y	Y	
Name or Id	Y					Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y ³	Y	Y	Y	Y	Y
Index	Y				Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y ⁴	Y	Y	Y	Y	Y
IMO Name—IAccessListEntry																						
Entry Identification	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ⁵	Y	Y	Y	Y	Y
Action Logic	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ⁶	Y	Y	Y	Y	Y
Source and Destination Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ⁷	Y	Y	Y	Y	Y
Source and Destination Wildcard	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ⁸	Y	Y	Y	Y	Y
Protocol Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y	Y
Source and Destination Port Ranges	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹⁰	Y	Y	Y	Y	Y
Source and Destination Port Action	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹¹	Y	Y	Y	Y	Y
Protocol Specific Info	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹²	Y	Y	Y	Y	Y
Differential Services Code Points	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹³	Y	Y	Y	Y	Y
Type of Service	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹⁴	Y	Y	Y	Y	Y
Precedence	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹⁵	Y	Y	Y	Y	Y
Matches	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ¹⁶	Y	Y	Y	Y	Y

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}Prime Network 3.6.0 and earlier: show access-lists ipv4. Prime Network 3.6.1 and later: show running-config ipv4 access-list.

Hardware

Table 10- 124 provides Hardware attributes support on Cisco Routers 800 to 7600 and Table 10-125 provides Hardware attributes support on Cisco Routers 10000 to ASR 5000.

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
IMO Name—IChassis														
Description	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Equipment Holder Type		Y	Y	Y				Y	Y	Y		Y		Y
Contained Equipment Holders					Y									
Contained Equipments														
Serial Number	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Configuration State (Soft property)														
Operability (Soft property)														
Power (Soft property)														
Thermal (Soft property)														
Name (Soft property)														
PID (Soft property)														
VID (Soft property)														
Role (Soft property)														
Status														
OperState														
AdminState														
Discvory State														
Model														
Connection Path														
AvailState														
Admin Power														
Assoc State														
Oper Power														
Connection Status														
Managing Instance														
No.. of Processors														
Low Voltage memory														
Effective Memory														
CheckPoint														
Total Memory														
Operating Memory Speed														
Slot Status														
Cores														

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
Threads														
No.. of Adapters														
No.. of HBA ports														
No.. of NIC ports														
UUID														
IP Address (Soft property)														
IMO Name—IShelf														
Description														
Status														
Equipment Holder Type														
Contained Equipment Holders														
Contained Equipments														
Serial Number					Y									
IMO Name—IModule														
Module Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Module Description	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Operational Status	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y
Hardware Type + Version	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Managed IP Address														
Redundant Equipment					Y									
Configured Redundancy					Y									Y
Redundancy Status	Y		Y			Y			Y	Y				Y
Operational Status Last Changed	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Supported Physical Termination Points		Y	Y					Y		Y		Y		Y
Serial Number (soft property)	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Model														
Operability														
Integrated														
Admin State(Soft property)														
Discovery State(Soft property)														
Power State (Soft property)														
Slot ID (Soft property)														
Chassis ID (Soft property)														
Name (Soft property)														

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
Description (Soft property)														
PID (Soft property)														
VID (Soft property)														
Avail State (Soft property)														
Assoc State (Soft property)														
Slot Status (Soft property)														
Check Point (Soft property)														
Number Of Processor (Soft property)														
Effective Memory (Soft property)														
Total Memory (Soft property)														
Operating Memory Speed (Soft property)														
Operating Memory Voltage (Soft property)														
Slot Number (Soft property)														
Part Number (Soft property)														
Running Version (Soft property)														
Package Version (Soft property)														
Backup Version (Soft property)														
Update Status (Soft property)														
Startup Version (Soft property)														
Activate Status (Soft property)														
Slots Number					Y		Y				Y		Y	
HostName (Soft Property)														
MgmtIP (Soft Property)														
TypeName (Soft Property)														
vCPU (Soft Property)														
haStatus (Soft Property)														
status (Soft Property)														
location (Soft Property)														
swVersion (Soft Property)														
domainId (Soft Property)														
haPrimaryRole (Soft Property)														
haPrimaryStatus (Soft Property)														

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
primaryStatus (Soft Property)														
primaryLocation (Soft Property)														
primarySwVersion (Soft Property)														
haSecondaryRole (Soft Property)														
haSecondaryStatus (Soft Property)														
secondaryStatus (Soft Property)														
secondaryLocation (Soft Property)														
secondarySwVersion (Soft Property)														
AssociatedComputeServer														
AssociatedHost														
AssociatedEntity														
EquipmentType														
UUID (Soft Property)														
IMO Name—IPowerSupply														
Same as IModule		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
IMO Name—IFanTray														
Same as IModule		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	
IMO Name—IPluggableTransceiver														
ConnectorDescription		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PID		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ConnectorSerialNumber		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ConnectorType		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PluggablePortState		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
PluggableType		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IManagedElement														
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Communication State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Investigation State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Category	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Type and Key	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Device Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
System Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
System Description	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Up Time	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Vendor Identity	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Memory and CPU Usage	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DRAM Free	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
DRAM Used	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
DRAM Usage	Y	Y	Y					Y	Y	Y	Y	Y		Y
Flash Device Size	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
NVRAM Size	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Processor DRAM	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Sys Contact	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Sys Location	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y
Serial Number	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y
File Systems					Y									
IsVirtualElement														
AssociatedHypervisor														
AssociatedVirtualMachine														
AssociatedComputeServer														
TimeZone														
cidsHealthSecMonAvailability														
cidsHealthSecMonOverallHealth														
cidsHealthSecMonSoftwareVersion														
cidsHealthSecMonSignatureVersion														
cidsHealthSecMonLicenseStatus														
cidsHealthSecMonMainAppStatus														
cidsHealthSecMonAnalysisEngineStatus														
cidsHealthSecMonCollaborationAppStatus														
cidsHealthSecMonByPassMode														
cidsHealthSecMonMissedPktPctAndThresh														

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
cidsHealthSecMonAnalysisEngMemPercent														
cidsHealthSecMonSensorLoad														
cidsHealthSecMonVirtSensorName														
cidsHealthSecMonVirtSensorStatus														
cidsHealthSecMonPartitionName														
cidsHealthSecMonTotalPartitionSpace														
HDD Size	Y													
DRAM Size	Y													
IMO Name—IContext														
Name						Y	Y	Y		Y		Y		Y
Bounded Connections														
IP Address Pools														
Forwarding Components List														
Traffic Descriptors List														
Tunnel Containers List														
Data Link Aggregation Containers List														
IMO Name—ISystemService														
Type					Y									
Status														
Up Time	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IServer														
Uuid														
Maximum Memory														
Effective Memory														
Ip Address														
Form Factor														
Operating System														
Hard Drive Properties														
MemorySlot Properties														
Processor														
Operating Memory Speed														

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
associatedHypervisor														
AssociatedVEM														
IMO Name—IHardDriveProperties														
Model Name														
Drive Type														
Storage Capacity														
Status														
isFRU														
IMO Name—IMemorySlotProperties														
Slot Name														
Location														
Speed														
Memory Capacity														
Status														
IMO Name—IProcessor														
cpu														
coresperCpu														
Model														
Status														
Vendor														
ratedSpeed														
usedSpeed														
hyperThreadingEnabled														
ramSize														
nvRamSize														
name														
description														
IMO Name—Imodule														
TypeName (Soft Property)														
primarySwVersion (Soft Property)														
IMO Name—Ibridge														
Bridge Table	Y													
Type	Y													
MAC Address	Y													
IP Interface	Y													

Table 11-174 Hardware Attribute Support on Cisco Routers 800 to 7600—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600
Name	Y													
Logical Sons	Y													
Vlan Type														
IMO Name—IBridgeEntry														
Destination MAC	Y													
Outgoing Interface	Y													

¹Blower modules are supported in XR versions 3.7.1 and above. PEM Modules are supported in XR versions Prime Network 3.8.1 and above. Pluggable modules are supported in XR versions 3.8.1 and above. Pluggable modules present under sub-modules are only supported. All ports in OCx modules will be modeled as SONET. The actual encapsulation is shown in the port properties.

²Device Name is Mapped to Element Name in GUI

Port

Table 11-175 Port Attribute Support on Cisco Routers 10000 to ASR 5000—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IPhysicalLayer													
Media Type	Y	Y	Y	Y	Y				Y	Y	Y	Y	
Clocking Source	Y	Y	Y	Y	Y			Y	Y	Y	Y		
Maximum Speed	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Is Internal Port	Y	Y	Y	Y	Y				Y	Y	Y	Y	
Discarded Bandwidth										Y			
Dropped Bandwidth										Y			
Input Bandwidth										Y			
Output Bandwidth										Y			
Discarded and Received Input Data Counters	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Dropped and Forward Output Data Counters	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Administrative Status	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Operational Status	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Last Changed	Y		Y	Y	Y			Y	Y	Y	Y	Y	
IANA Type	Y	Y	Y	Y	Y				Y	Y	Y	Y	

Table 11-175 Port Attribute Support on Cisco Routers 10000 to ASR 5000—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
Containing CTPs										Y			
Contained CTPs										Y			
Port Alias	Y	Y		Y	Y			Y	Y	Y	Y	Y	
Location	Y	Y		Y	Y			Y		Y	Y	Y	
Sending Alarms	Y	Y		Y	Y			Y	Y	Y	Y	Y	
Connector Description	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Part ID	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Connector Serial Num	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Product	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Status	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
Managed	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	
AssociatedPluggable													
AinsSoak													
Reach													
WaveLength													
facilityId													
IMO Name—IDiscoveryProtocol													
DiscoveryProtocolType	Y	Y	Y	Y	Y			Y	Y	Y	Y		
Info	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		

Additional Technologies

Table 11-176 Additional Technologies Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901		
IMO Name—POS																											
POS	Y	Y		Y		Y	Y	Y		Y		Y		Y	Y	Y	Y		Y								Y

IPoDWDM

Table 11-177 IPoDWDM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IDWDM																					
laserStatus																					
txPower																	Y	Y			
rxPower																	Y	Y			
loopback																	Y	Y			
controllerStatus																	Y	Y			
wavelengthBand																	Y	Y			
msaItuChannel																	Y	Y			
frequency																	Y	Y			
wavelength																	Y	Y			
g709Status																	Y	Y			
detectedAlarms																	Y	Y			
assertedAlarms																	Y	Y			
opticsType																	Y	Y			
rxLosThreshold																	Y	Y			
location														Y			Y	Y			
Transport Admin Status																	Y	Y			
IMO Name—IDwdmG709Info																					
Location														Y			Y	Y			
Status														Y			Y	Y			
OtuAlarmCounters														Y			Y	Y			
OduAlarmCounters														Y			Y	Y			
OtuAlarmReporting														Y			Y	Y			
OduAlarmReporting														Y			Y	Y			
OtuAssertedAlarms														Y			Y	Y			
OduAssertedAlarms														Y			Y	Y			
OtuDetectedAlarms														Y			Y	Y			
OduDetectedAlarms														Y			Y	Y			
OtuBerCounters														Y			Y	Y			
OtuBerReporting														Y			Y	Y			
OtuAssertedBers														Y			Y	Y			
OtuDetectedBers														Y			Y	Y			

Table 11-177 *IPoDWDM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3*

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
OtuBerThreshold																	Y	Y				
OtuTTI																	Y	Y				
OduTTI													Y				Y	Y				
FecInfo														Y			Y	Y				
FecMode													Y				Y	Y				
IMO Name—IDwdmPmSettings																						
Location																	Y					
IntervalType																	Y					
FecPmSettings																	Y					
OpticsPmSettings																	Y					
OtnPmSettings					Y												Y					

The following table 10-128 provides *IPoDWDM Attribute Support on Cisco Routers 10000 to ASR 5000*.

Table 11-178 *IPoDWDM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3*

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
IMO Name—IDWDM													
laserStatus													
txPower			Y	Y									
rxPower			Y	Y									
loopback			Y	Y									
controllerStatus			Y	Y									
wavelengthBand			Y	Y									
msaItuChannel			Y	Y									
frequency			Y	Y									
wavelength			Y	Y									
g709Status			Y	Y									
detectedAlarms			Y	Y									
assertedAlarms			Y	Y									
opticsType			Y	Y									
rxLosThreshold			Y	Y									

Table 11-178 IPoDWDM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR 3900	Cisco 4700	ASR901	ASR903	ASR 5000
location			Y	Y						Y		Y	
Transport Admin Status			Y	Y									
IMO Name—IDwdmG709Info													
Location			Y	Y						Y		Y	
Status			Y	Y						Y		Y	
OtuAlarmCounters			Y	Y						Y		Y	
OduAlarmCounters			Y	Y						Y		Y	
OtuAlarmReporting			Y	Y						Y		Y	
OduAlarmReporting			Y	Y						Y		Y	
OtuAssertedAlarms			Y	Y						Y		Y	
OduAssertedAlarms			Y	Y						Y		Y	
OtuDetectedAlarms			Y	Y						Y		Y	
OduDetectedAlarms			Y	Y						Y		Y	
OtuBerCounters			Y	Y						Y		Y	
OtuBerReporting			Y	Y						Y		Y	
OtuAssertedBers			Y	Y						Y		Y	
OtuDetectedBers			Y	Y						Y		Y	
OtuBerThreshold			Y	Y									
OtuTTI			Y	Y									
OduTTI			Y	Y						Y		Y	
FecInfo			Y	Y						Y		Y	
FecMode			Y	Y						Y		Y	
IMO Name—IDwdmPmSettings													
Location			Y										
IntervalType			Y										
FecPmSettings			Y										
OpticsPmSettings			Y										
OtnPmSettings			Y										

LocalSwitching

Table 11-179 LocalSwitching Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—ILocalSwitchingEntry																					
LocalSwitchingTable	Y	Y	Y	Y		Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
PWSwitchingTable					Y									Y				Y			
IMO Name—ILocalSwitchingEntry																					
Local Switching Entry Key	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Local Switching Entry Status	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Segment 1	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Segment 1 Port Name	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Segment 1 Status	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Segment 2	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Segment 2 Port Name	Y	Y	Y	Y		Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	
Segment 2 Status	Y	Y	Y	Y		Y	Y	Y		Y		Y		Y	Y	Y	Y	Y	Y	Y	

BFD

Table 11-180 BFD Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IBfdService																					
Status										Y							Y	Y	Y	Y	Y
IMO Name—IBfdCommon																					
RegisteredProtocols										Y				Y		Y			Y		Y
InterfaceName										Y				Y		Y			Y		Y
IMO Name—IBfdSession																					
SourceIp										Y				Y			Y	Y	Y	Y	Y
DestinationIp										Y				Y			Y	Y	Y	Y	Y
Interval										Y				Y			Y	Y	Y	Y	Y
Multiplier										Y				Y			Y	Y	Y	Y	Y
Protocol										Y				Y			Y	Y	Y	Y	Y
State										Y				Y			Y	Y	Y	Y	Y

Table 11-180 BFD Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Interface										Y				Y			Y	Y	Y	Y	Y	Y
Process										Y				Y			Y	Y	Y	Y	Y	Y
BFDOffload																		1				
IMO Name—IBfdTemplatesEntry																						
BfdTemplateName																						
Unit																						
MinTxInterval																						
MinRxInterval																						
Multiplier																						

¹Applicable when we configure BVI interface.

Carrier Ethernet

Table 11-181 Carrier Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IVsi																						
vsiInstanceName														Y			Y	Y	Y	Y ¹		
vpnId														Y			Y	Y	Y	Y ²		
discoveryMode														Y			Y	Y	Y	Y ³		
vsiMode														Y			Y	Y	Y	Y ⁴		
Operational state														Y			Y	Y	Y	Y ⁵		
Administrative state														Y			Y	Y	Y	Y ⁶		
IMO Name—IPseudowireProperties																						
isSplitHorizonEnabled														Y			Y	Y	Y			
isAutoDiscovered														Y			Y	Y	Y			
IMO Name—IVLANTaggedInterface																						
InterfaceName										Y ⁷	Y ⁸			Y	Y ⁹	Y ¹⁰	Y ¹¹	Y	Y	Y ¹²	Y	Y
Inner Vlan Id										Y ¹³	Y ¹⁴			Y	Y ¹⁵	Y ¹⁶	Y ¹⁷	Y	Y	Y ¹⁸	Y	Y

Table 11-181 Carrier Ethernet Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
Outer Vlan Id										Y ¹ ₉	Y ² ₀			Y	Y ² ₁	Y ² ₂	Y ² ₃	Y	Y	Y ² ₄	Y
Encap Type										Y ² ₅	Y ² ₆			Y	Y ² ₇	Y ² ₈	Y ² ₉	Y	Y	Y ³ ₀	Y
Operational state										Y ³ ₁	Y ³ ₂			Y	Y ³ ₃	Y ³ ₄	Y ³ ₅	Y	Y	Y ³ ₆	Y
Administrative state										Y ³ ₇	Y ³ ₈			Y	Y ³ ₉	Y ⁴ ₀	Y ⁴ ₁	Y	Y	Y ⁴ ₂	Y
ConfiguredDescription										Y ⁴ ₃	Y ⁴ ₄			Y	Y ⁴ ₅	Y ⁴ ₆	Y	Y	Y	Y ⁴ ₇	Y
IMO Name—I Efp																					
EfpId														Y ⁴ ₈				Y			
RewriteParams														Y ⁵ ₀				Y			
EncapsParams														Y ⁵ ₂				Y			
AdminStatus														Y ⁵ ₄				Y			
OperStatus														Y ⁵ ₆				Y			
SplitHorizonGroup														Y ⁵ ₈							
MatchCriteria														Y ⁶ ₀				Y			
ConfiguredDescription														Y				Y			
GetServiceInstanceId														Y ⁶ ₂				Y			
SetServiceInstanceId														Y ⁶ ₄				Y			

1, 2, 3, 4, 5, 6, 7 Supported for the below software versions 12.2(27)SBC2 12.2(31)SBX 12.0(33)S1 gt 12.0(32)S gt 12.2(28)SB gt 12.2(33)SRC gt 12.2(33)SRD gt 12.2(33)SRE gt 12.4(20)T gt 12.4(24)T

8, 9, 10, 11, 12, 13, 14 Supported for the below software versions 12.2(31)SBX gt 12.2(28)SB gt 12.2(33)SRC gt 12.2(33)SRD gt 12.2(33)SRE gt 12.4(20)T gt 12.4(24)T

15, 16, 17, 18, 19, 20, 21, 22, 23, 57, 58, 59, 60, 61, 62, 63, 64, 65 SNMP is used for versions greater than SRD.

24, 25, 26, 27, 28, 29, 30 Supported in IOS versions 12.2(28)SB1 and above.

31, 32, 33, 34, 35, 36, 37 Supported in IOS versions 12.0(31)S and above only.

38, 39, 40, 41, 42, 43 Supported for versions greater than IOX 3.8

44, 45, 46, 47, 48, 49 Supported only on IOS 12.2(33)MRA (CSR3.2)

50, 51, 52, 53, 54, 55, 56 Not Supported in IOS 12.2(33)MRA (CSR3.2)

LLDP

Table 11-182 LLDP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	CSR3000
IMO Name—ILLDPService																						
status																		Y ¹				
lldpAdvertisementsInterval																		Y ²				
lldpHoldTime																		Y ³				
lldpReinitialisationDelay																		Y ⁴				
localChassisID																		Y ⁵				
localSystemName																		Y ⁶				
IMO Name—ILLDPNeighbor																						
localPortName																		Y ⁷				
remotePortDesc																		Y ⁸				
remoteChassisId																		Y ⁹				
remoteManagementIP																		Y ¹⁰				
localPortId																		Y ¹¹				
remotePortId																		Y ¹²				
remoteDeviceId					Y													Y ¹³				

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 Support starting from XR423 only as per BU Support

CDP

Table 11-183 CDP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	CSR3000
IMO Name—ICdpService																						
cdpHoldtime	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 11-183 CDP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
cdpMessageInterval	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpDeviceId	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpState	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpVersion	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—ICdpNeighbor																						
remoteDeviceId	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
remotePortId	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
remoteIPAddress	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
localPortId	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Ethernet OAM

Table 11-184 Ethernet OAM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—ICfmService																						
cacheSize														Y			Y	Y		Y ¹		
maximumCacheSize														Y							Y ²	
holdTime														Y			Y	Y		Y ³		
version														Y			Y	Y		Y ⁴		
maintenanceIntermediatePointsTable														Y			Y	Y		Y ⁵		
maintenanceDomain														Y			Y	Y		Y ⁶		
IMO Name—IMaintenanceDomain																						
name														Y			Y	Y		Y ⁷		
level														Y			Y	Y		Y ⁸		
Id														Y			Y	Y		Y ⁹		
maintenanceAssociation														Y			Y	Y		Y ¹⁰		
IMO Name—IMaintenanceEndPoint																						
macAddress														Y			Y	Y		Y ¹¹		

Table 11-184 Ethernet OAM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
Interface														Y			Y	Y		Y ¹ ₂	
continuityCheckStatus														Y			Y	Y		Y ¹ ₃	
direction														Y			Y	Y		Y ¹ ₄	
IMO Name—IMaintenanceAssociation																					
name														Y			Y	Y		Y ¹ ₅	
associationType														Y			Y	Y		Y ¹ ₆	
maximalMeps														Y			Y	Y		Y ¹ ₇	
continuityCheckInterval														Y			Y	Y		Y ¹ ₈	
continuityCheckEnable														Y			Y	Y		Y ¹ ₉	
crossCheckEnable														Y			Y	Y		Y ² ₀	
direction														Y			Y	Y		Y ² ₁	
bridge														Y			Y	Y		Y ² ₂	
maintenanceEndPoints														Y			Y	Y		Y ² ₃	
cfmRemoteMaintenanceEndPoints														Y			Y	Y		Y ² ₄	
IMO Name—IMaintenanceIntermediatePoint																					
level														Y			Y	Y		Y ² ₅	
cfmInterface														Y			Y	Y		Y ² ₆	
isAutocreated														Y			Y	Y		Y ² ₇	
Vlans														Y			Y	Y		Y ² ₈	
macAddress														Y			Y	Y		Y ² ₉	

Table 11-184 Ethernet OAM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IRemoteMaintenanceEndPoint																					
mepId														Y			Y	Y		Y ³ ₀	
macAddress														Y			Y	Y		Y ³ ₁	
level														Y			Y	Y		Y ³ ₂	
maintenanceEndPointStatus														Y			Y	Y		Y ³ ₃	
maintenanceEndPointOid														Y			Y	Y		Y ³ ₄	
IMO Name—IOAMData																					
adminState														Y				Y		Y	Y
pduMaxRate														Y						Y	Y
pduMinRate														Y			Y			Y	Y
linkTimeout														Y			Y			Y	Y
highThresholdAction														Y			Y			Y	Y
linkFaultAction														Y			Y			Y	Y
dyingGaspAction														Y			Y			Y	Y
criticalEventAction														Y			Y			Y	Y
mode														Y			Y			Y	Y
unidirectional														Y			Y			Y	Y
linkMonitor														Y			Y			Y	Y
remoteLoopback														Y			Y			Y	Y
portStatus														Y			Y			Y	Y
loopbackStatus														Y			Y			Y	Y
remoteData														Y			Y			Y	Y
name														Y			Y			Y	Y
ethernetPort														Y			Y			Y	Y
IMO Name—IOAMRemoteData																					
macAddress														Y				Y		Y	Y
vendor														Y			Y			Y	Y
mode														Y			Y			Y	Y
unidirection														Y			Y			Y	Y
linkMonitor														Y			Y			Y	Y

Table 11-184 Ethernet OAM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR3900	
remoteLoopback														Y				Y		Y	Y	Y	Y
IMO Name—IUNIProperties																							
UNIId														Y				Y		Y			
isServiceMultiplexing														Y				Y		Y			
isBundlingEnabled														Y				Y		Y			
bundlingType														Y				Y		Y			
IMO Name—IEthernetLMI																							
isGlobalEnabled																					Y		
mode																					Y		
ELMIInterfaces														Y				Y		Y			
deviceEVCs														Y				Y		Y			
IMO Name—IDeviceEVC																							
EVCName														Y				Y		Y			
EVCStatus														Y				Y		Y			
EVCType														Y				Y		Y			
cfmMaName														Y				Y		Y			
configuredRemoteUNICount														Y				Y		Y			
activeRemoteUNICount														Y				Y		Y			
UNIInterfaces														Y				Y		Y			
IMO Name—IUNIInterfaces																							
UNIStatus														Y				Y		Y			
UNIId														Y				Y		Y			
interfaceName														Y				Y		Y			
vlanList														Y				Y		Y			
lmiLinkStatus														Y				Y		Y			
IMO Name—IELMIInterfaces																							
interfaceName														Y				Y		Y			
T391														Y				Y		Y			
T392														Y				Y		Y			
N391														Y				Y		Y			
N393														Y				Y		Y			
IMO Name—IProbe																							
Profile Name								Y						Y				Y					
Source MEP								Y						Y				Y					

Table 11-184 Ethernet OAM Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Source MAC Address								Y						Y				Y				
Destination								Y						Y				Y				
OAM Domain								Y						Y				Y				
Measurement Type								Y						Y				Y				
Ethernet Virtual Connection								Y						Y				Y				
Packet Size								Y						Y				Y				
Packets Per Burst								Y						Y				Y				
Burst Period								Y						Y				Y				
IMO Name—I Delay Measurement Entry																						
Statistics Type														Y				Y				
Aggregate Bin Count														Y				Y				
Aggregate Bin Boundaries														Y				Y				
Bucket Size														Y				Y				
Aggregation Period														Y				Y				
Aggregate Burst Cycles														Y				Y				
IMO Name—I Loss Measurement Entry																						
Statistics Type														Y				Y				
Aggregate Bin Count														Y				Y				
Aggregate Bin Boundaries														Y				Y				
Bucket Size														Y				Y				
Aggregation Period														Y				Y				
Aggregate Burst Cycles														Y				Y				
Availability Algorithm														Y				Y				
Consecutive Frames														Y				Y				
consecutiveFramesForLossRatio														Y				Y				

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 CFM is supported on IOS 12.2(33) MRA (CSR 3.2) and higher versions

SBC

Table 11-185 SBC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—ISbcService																					
sbcMode																			Y		
releaseVersion																			Y		
applicationVersion																			Y		
haStatus																			Y		
IMO Name—ISBE																					
callRedirectLimit																			Y		
onholdTimeout																			Y		
IMO Name—IDBE																					
dbeLocationID																			Y		
dbeType																			Y		
IMO Name—IDbeMediaInterface																					
addressRange																			Y		
vrfName																			Y		
managedBy																			Y		
portRange																			Y		
serviceClass																			Y		
status																			Y		
natMode																			Y		
termination																			Y		
IMO Name—ISbcAccount																					
name																			Y		
adjacencyList																			Y		
IMO Name—ISbeAaaInterface																					
networkId																			Y		
vrf																			Y		
IMO Name—ISbeBillingProperties																					
ldrCheckTime																			Y		
adminStatus																			Y		
operationStatus																			Y		
billingMethod																			Y		
localBillingAddress																			Y		

Table 11-185 SBC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
cachePath																			Y			
cacheMaxSize																			Y			
cacheMinorAlarm																			Y			
cacheMajorAlarm																			Y			
cacheCriticalAlarm																			Y			
retryInterval																			Y			
IMO Name—ISbeBillingInstanceProperties																						
instanceNr																			Y			
batchSize																			Y			
batchTime																			Y			
deactMode																			Y			
transportStatus																			Y			
adminStatus																			Y			
IMO Name—ISbeRadiusClientProperty																						
sbeRetryInterval																			Y			
clientType																			Y			
sbeConcurrentRequestsLimit																			Y			
sbeRetryLimit																			Y			
radiusMode																			Y			
IMO Name—ISbeRadiusServerProperties																						
serverPriority																			Y			
serverKey																			Y			
portNumber																			Y			
IMO Name—ISbcAdjacencyEnd																						
peerSubnetRestriction																			Y			
isMediaPassthrough																			Y			
isHuntingTriggerDisabled																			Y			
huntingTriggers																			Y			
vrf																			Y			
localSignalingAddress																			Y			
remoteSignalingAddress																			Y			
localSignalingPort																			Y			
remoteSignalingPort																			Y			
operationStatus																			Y			

Table 11-185 SBC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
instanceName																			Y			
transportProtocol																			Y			
IMO Name—ISbcAdjacencyGroup																						
name																			Y			
adjacencyList																			Y			
IMO Name—ISbcSipAdjacencyEnd																						
preferredTransport																			Y			
registrationTargetAddress																			Y			
registrationTargetPor																			Y			
IMO Name—ISbcSipAdjacencyEndAuthRealm																						
domain																			Y			
username																			Y			
password																			Y			
IMO Name—ISbcConfiguredBlackList																						
blacklistType																			Y			
instancename																			Y			
IMO Name—ISbcConfiguredBlackListEntry																						
eventType																			Y			
triggerSize																			Y			
triggerPeriod																			Y			
blackListingPeriod																			Y			
isDefaultTriggerSize																			Y			
isDefaultTriggerPeriod																			Y			
IMO Name—ISbcCurrentBlacklisting																						
sourceAddress																			Y			
isAllSourceAddresses																			Y			
sourcePortType																			Y			
sourcePortNumber																			Y			
timeRemaining																			Y			
IMO Name—ISbcCodecList																						
name																			Y			
IMO Name—ISbcCodecListEntry																						
minPacketizationPeriod																			Y			
codecName																			Y			

Table 11-185 SBC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IDbeH248Profile																					
profileVersion																			Y		
packages																			Y		
IMO Name—ISbeMediaGateway																					
codecList																			Y		
ipAddress																			Y		
IMO Name—IDbeMGC																					
remoteIP																			Y		
remotePort																			Y		
transport																			Y		
IMO Name—ISbcH248ControlInterface																					
ipAddress																			Y		
transport																			Y		
port																			Y		
IMO Name—ISbeGlobalHuntingTriggerList																					
huntingMode																			Y		
huntingTriggers																			Y		
IMO Name—ISbeCacPolicySet																					
firstScope																			Y		
IMO Name—ISbeCacPolicyTable																					
instanceName																			Y		
instanceDescription																			Y		
matchType																			Y		
IMO Name—ISbeCacRuleEntry																					
scope																			Y		
IMO Name—ISbeCallPolicySet																					
isActive																			Y		
policySetNumber																			Y		
name																			Y		
description																			Y		
IMO Name—ISbeCallPolicyTable																					
instanceName																			Y		
instanceDescription																			Y		
matchType																			Y		

Table 11-185 SBC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—ISbeCallRuleEntry																					
entryNumber																			Y		
action																			Y		
matchValue																			Y		
entryCategory																			Y		
IMO Name—ISbePolicySet																					
isActive																			Y		
policySetNumber																			Y		
name																			Y		
description																			Y		
IMO Name—ISbePolicyTable																					
matchType																			Y		
name																			Y		
description																			Y		
IMO Name—ISbeRuleEntry																					
entryNumber																			Y		
action																			Y		
matchValue																			Y		
entryCategory																			Y		
IMO Name—ISbeSdpMatchTable																					
tableType																			Y		
matchStrings																			Y		
IMO Name—ISbeSdpPolicyTable																					
name																			Y		
IMO Name—ISbeQosProfile																					
classOfService																			Y		
markingType																			Y		
dscp																			Y		
ipPrecedence																			Y		
tos																			Y		
IMO Name—ISbeSipHeaderProfile																					
instanceName																			Y		
isInUse																			Y		
profileType																			Y		

Table 11-185 SBC Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
description																			Y			
IMO Name—ISbeSipHeaderProfileEntry																						
entryNr																			Y			
action																			Y			
value																			Y			
conditions																			Y			
parameterProfile																			Y			
IMO Name—ISbeSipHeaderProfileHeader																						
name																			Y			
IMO Name—ISbeSipMethodProfile																						
isPassthrough																			Y			
IMO Name—ISbeSipMethodProfileMethod																						
instanceName																			Y			
action																			Y			
mapStatusCode																			Y			
headerProfile																			Y			
IMO Name—ISbeSipOptionProfile																						
options																			Y			
IMO Name—ISbeSipParameterProfile																						
parameters																			Y			
IMO Name—ISbeSipProfile																						
instanceName																			Y			
isInUse																			Y			
profileType																			Y			
description																			Y			
IMO Name—ISbeSipTimerProperties																						
tcpConnectTimeout																			Y			
tcpIdleTimeout																			Y			
tlsIdleTimeout																			Y			
inviteTimeout																			Y			
udpFirstRetransmitInterval																			Y			
udpMaxRetransmitInterval																			Y			

AccessGatewayService

Table 11-186 AccessGatewayService Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IAccessGatewayService																					
AccessGWGroups														Y				Y			
IMO Name—IAccessGatewayGroup																					
AccessGWGroupName														Y				Y			
AccessGWGroupType														Y				Y			
AccessGWInterfacePropertiesTable														Y				Y			
IMO Name—IAccessGatewayInterfaceProperties																					
accessGWinterfaceKey														Y				Y			
interface														Y				Y			
accessGWConfigName														Y				Y			
accessGWConfigRevision														Y				Y			
accessGWMaxAge														Y				Y			
accessGWProviderBridge																		Y			
accessGWBridgeAddress														Y				Y			
accessGWPortIdentifier														Y				Y			
accessGWExternalCost														Y				Y			
accessGWHelloTime														Y				Y			
accessGWPortActive														Y				Y			
accessGWBPDUssent														Y				Y			
accessGWReversionControlEnabled																		Y			
accessGWInstanceTable														Y				Y			
IMO Name—IAccessGatewayInstance																					
accessGWInstanceId														Y				Y			
accessGWVlanIds														Y				Y			
accessGWBridgePriority														Y				Y			
accessGWPortPriority														Y				Y			
accessGWCost														Y				Y			
accessGWRootBridgePriority														Y				Y			
accessGWRootBridgeAddress														Y				Y			
accessGWTopologyChanges														Y				Y			

Table 11-186 AccessGatewayService Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
accessGWExternalCost														Y				Y				

6PE

Table 11-187 6PE Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IBGPLabelRoutingEntry																						
label										Y				Y	Y	Y	Y	Y				
inlabel,outlabel	Y																					

6rd

Table 11-188 6rd Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—ITunnel6rd																						
ipv6Prefix														Y					Y			
sourceAddress														Y					Y			
tunnelSubMode														Y					Y			
prefix														Y					Y			
suffix														Y					Y			
mtu														Y					Y			

MLACP

Table 11-189 MLACP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—HiccpRedundancyGroup																					
GroupNumber														Y				Y			
PeerMonitoringOption														Y				Y			
MemberIpAddress														Y				Y			
MemberDeviceName														Y				Y			
MLacpNodeId														Y				Y			
MLacpSystemMACAddress														Y				Y			
MLacpSystemPriority														Y				Y			
LinkAggregations														Y				Y			
BackboneInterfaces														Y				Y			
IMO Name—HiccpRedundancyContainer																					
IcnpRedundancyGroups														Y				Y			
IMO Name—IMLacpProperties																					
IcnpRedundancyGroup														Y				Y			
MLacpFailoverOption																		Y			
MLacpOperationalSystemMAC														Y				Y			
MLacpOperationalSystemPriority														Y				Y			
MLacpMaxBundle														Y				Y			
MLacpRole														Y				Y			

IPSec

Table 11-190 IPSec Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IPSecTunnel																					
ipseName																	Y		Y		
vrf																	Y		Y		
ipAddress																	Y		Y		

Table 11-190 IPSec Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
tunnelSource																	Y		Y		
tunnelDestination																	Y		Y		
serviceLocation																	Y				
standbyInterface																	Y				
profile																	Y		Y		

AAA

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900
IMO Name—IAAAGroupContainer																					
														Y			Y				
IMO Name—IAAAGroup																					
GroupName														Y			Y				
IMO Name—IAAARadiusConfiguration																					
GroupName														Y							
LoadBalancingMethod														Y							
IgnorePrefferedServer														Y							
VRF														Y							
RequestTimeOut														Y							
RetransmitCount														Y							
RetransmitEnabled														Y							
DeadTime														Y							
DeadCriteriaTime														Y							
DeadCriteriaRetransmitCount														Y							
dictionary																	Y				
groupName																	Y				
stripDomain																	Y				
authenticatorValidation																	Y				
allowAuthenticationDown																	Y				
allowAccountingDown																	Y				

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR4400	
aAARadiusAuthenticationGeneralConfiguration																	Y						
aAARadiusAccountingGeneralConfiguration																	Y						
aAARadiusAuthenticationKeepAliveAndDeadServerConfiguration																	Y						
aAARadiusAccountingKeepAliveAndDeadServerConfiguration																	Y						
aAARadiusChargingGeneralConfiguration																	Y						
aAARadiusChargingTriggersConfiguration																	Y						
aAARadiusAuthenticationServersEntries																	Y						
aAARadiusAccountingServersEntries																							
aAARadiusChargingServersEntries																							
aAARadiusChargingAccountingServersEntries																							
IMO Name—IAAARadiusAuthenticationServersEntry																							
ServerIP															Y		Y						
ServerPort															Y		Y						
OperationalState															Y		Y						
RequestTimeOut															Y		Y						
RetransmitCount															Y		Y						
serverIP															Y		Y						
serverPort															Y		Y						
preference															Y		Y						
operationalState															Y		Y						
administrativeStatus															Y		Y						
retainAdministrativeStatusAfterReboot															Y		Y						
keepAliveRepresentativeGroup															Y		Y						
IMO Name—IAAARadiusAccountingServersEntry																							
ServerIP															Y								

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	
ServerPort														Y								
OperationalState														Y								
RequestTimeOut														Y								
RetransmitCount														Y								
preference														Y								
administrativeStatus														Y								
retainAdministrativeStatusAfter Reboot														Y								
keepAliveRepresentativeGroup														Y								
IMO Name—IDynamicAuthorizationServer																						
ServerType														Y								
ServerListenPort														Y								
IgnoreServerKey														Y								
IMO Name—IDynamicAuthorizationClientEntry																						
IPAddress														Y								
VrfString														Y								
VrfName														Y								
IMO Name—IAAAAttributesEntry																						
Type														Y								
Key														Y								
Value														Y								
IMO Name—IAAAContainer																						
aAADiameterEndpointContainer														Y			Y					
aAAGroupContainer														Y			Y					
IMO Name—IAAADiameterConfiguration																						
groupName																		Y				
aAADiameterAuthenticationGeneralConfiguration																		Y				
aAADiameterAccountingGeneralConfiguration																		Y				
aAADiameterAuthenticationServersEntries																		Y				
aAADiameterAccountingServersEntries																		Y				

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR3900
IMO Name—IAAADiameterAccountingGeneralConfiguration																						
dictionary																	Y					
endPointName																	Y					
maxTransmissions																	Y					
maxRetries																	Y					
requestTimeout																	Y					
IMO Name—IAAADiameterAuthenticationGeneralConfiguration																						
dictionary																	Y					
endPointName																	Y					
maxTransmissions																	Y					
maxRetries																	Y					
requestTimeout																	Y					
redirectHostAVP																	Y					
IMO Name—IAAADiameterAccountingServersEntry																						
diameterServerHostName																	Y					
numberOfInstanceInUpState																	Y					
numberOfInstanceInDownState																	Y					
priority																	Y					
IMO Name—IAAADiameterAuthenticationServersEntry																						
diameterServerHostName																	Y					
numberOfInstanceInUpState																	Y					
numberOfInstanceInDownState																	Y					
priority																	Y					
IMO Name—IAAARadiusAccountingGeneralConfiguration																						
serverSelectionAlgorithm																	Y					
serverBillingVersion																	Y					
serverDeadTime																	Y					
maxOutstandingAAAMessages																	Y					
fireAndForget																	Y					
accountingRequestMaxTransmissions																	Y					
accountingRequestMaxRetries																	Y					
maxPDUSize																	Y					
accountingResponseTimeout																	Y					

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	
remoteAddress																	Y					
archive																	Y					
apnToBeIncluded																	Y					
interimAccountingInterval																	Y					
interimAccountingDownlinkVolume																	Y					
interimAccountingUplinkVolume																	Y					
interimAccountingTotalVolume																	Y					
accountingGTPtriggerPolicy																	Y					
IMO Name—IAAARadiusAuthenticationGeneralConfiguration																						
serverSelectionAlgorithm																	Y					
serverDeadTime																	Y					
maxOutstandingAAAMessages																	Y					
apnToBeIncluded																	Y					
authenticationRequestMaxRetries																	Y					
authenticationRequestMaxTransmissions																	Y					
authenticationResponsetimeout																	Y					
authenticateNullUserName																	Y					
modifyNASIP																	Y					
probeInterval																	Y					
probeTimeout																	Y					
probeMaxRetries																						
IMO Name—IAAARadiusAccountingKeepAliveAndDeadServerConfiguration																						
keepAliveInterval																	Y					
keepAliveTimeout																	Y					
keepAliveMaxRetries																	Y					
keepAliveConsecutiveResponse																	Y					
callingStationID																	Y					
detectDeadServerConsecutiveFailures																	Y					
detectDeadServerResponseTimeout																	Y					

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR3900	
detectDeadServerKeepAlive																	Y						
userName																	Y						
framedIPAddress																	Y						
IMO Name—IAAARadiusAuthenticationKeepAliveAndDeadServerConfiguration																							
keepAliveInterval																	Y						
keepAliveTimeout																	Y						
keepAliveMaxRetries																	Y						
keepAliveConsecutiveResponse																	Y						
callingStationID																	Y						
detectDeadServerConsecutiveFailures																	Y						
detectDeadServerResponseTimeout																	Y						
detectDeadServerKeepAlive																	Y						
userName																	Y						
authenticationPassword																	Y						
allowAccessReject																	Y						
IMO Name—IAAARadiusChargingGeneralConfiguration																							
serverDeadTime																	Y						
authenticationRequestMaxTransmissions																	Y						
authenticationServerSelectionAlgorithm																	Y						
accountingServerSelectionAlgorithm																	Y						
maximumOutstandingAAAMessages																	Y						
serverMaxRetries																	Y						
serverResponseTimeout																	Y						
chargingDetectDeadServerConsecutiveFailures																	Y						
chargingDetectDeadServerResponseTimeout																	Y						
IMO Name—IAAARadiusChargingTriggersConfiguration																							
servingNodeChangeTrigger																	Y						

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	
radioAccessTechnologyChangeTrigger																	Y					
userLocationInformationChangeTrigger																	Y					
routingAreaInformationChangeTrigger																	Y					
qualityOfServiceChangeTrigger																	Y					
msTimezoneChangeTrigger																	Y					
IMO Name—IAAARadiusChargingServersEntry																						
serverIP																	Y					
serverPort																	Y					
preference																	Y					
operationalState																	Y					
administrativeStatus																	Y					
retainAdministrativeStatusAfterReboot																	Y					
keepAliveRepresentativeGroup																	Y					
IMO Name—IAAARadiusChargingAccountingServersEntry																						
serverIP																	Y					
serverPort																	Y					
preference																	Y					
operationalState																	Y					
administrativeStatus																	Y					
retainAdministrativeStatusAfterReboot																	Y					
keepAliveRepresentativeGroup																	Y					
IMO Name—IAAADiameterEndpointContainer																						
aAAEndpoints																	Y					
IMO Name—IAAADiameterEndpoint																						
endpointName																	Y					
originRealmName																	Y					
aAARealmTaskManagerEntries																	Y					
aAADiameterPeersEntries																	Y					
aAADiameterRouteEntries																	Y					

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR4400	
aAADiameterRouteHealthStatus Entries																	Y						
sctpParamTemplate																	Y						
IMO Name—IAAAREalmTaskManagerEntry																							
applicationName																	Y						
taskName																	Y						
cardNumber																	Y						
cpuNumber																	Y						
IMO Name—IAAADiameterPeersEntry																							
taskName																	Y						
peerHostName																	Y						
peerRealm																	Y						
localRealm																	Y						
peerIPAddress																	Y						
peerPort																	Y						
localIPAddress																	Y						
secondaryLocalIPAddress																	Y						
secondaryLocalPort																	Y						
state																	Y						
localPort																	Y						
localHostName																	Y						
IMO Name—IAAADiameterRouteEntry																							
peerHostName																	Y						
peerRealm																	Y						
routeType																	Y						
origin																	Y						
application																	Y						
peerName																	Y						
routeWeight																	Y						
routeExpiryTimeOut																	Y						
IMO Name—IAAADiameterRouteHealthStatusEntry																							
peerHostName																	Y						
peerName																	Y						
originCount																	Y						

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900		
availableCount																	Y						
failedCount																	Y						
IMO Name—IAAARadiusClientConfiguration																							
radiusClientStatus														Y									
activeNASipAddr														Y									
configuredPrimaryNASipAddr														Y									
primaryIpAddrInterfaceState														Y									
configuredBackupNASipAddr														Y									
secondaryipAddrInterfaceState														Y									
IMO Name—IAAARadiusAttributesConfiguration																							
nasIPAddress														Y									
nasIdentifier														Y									
backUpNasIPAddress														Y									
nextHOP														Y									
mplsLabel														Y									
vrf														Y									
IMO Name—IAAARadiusAccountingConfiguration																							
nasIPAddress														Y									
nasIdentifier														Y									
imsi														Y									
serviceType														Y									
framedIPAddress														Y									
framedIPv6Prefix														Y									
calledStationId														Y									
callingStationId														Y									
userName														Y									
classValue														Y									
nasPortId														Y									
nasPortType														Y									
3GppPdpType														Y									

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR3900	
3GppCgAddress														Y									
3GppGprsQosNegotiatedProfile														Y									
3GPPSgsnAddress														Y									
3GppGgsnAddress														Y									
3GppGgsnMccMnc														Y									
3GppImsiMccMnc														Y									
3GppSelectMode														Y									
3GppNsapi														Y									
3GppSgsnMccMnc														Y									
3GppChargingCharacteristics														Y									
3GppRatType														Y									
3GppImsiMccMnc														Y									
3GppMSTimezone														Y									
3GppUserLocationInformation														Y									
3GppSessionStopIndicator														Y									
3GppChargingId														Y									
inputOctets														Y									
outputOctets														Y									
sessionTime														Y									
inputPackets														Y									
outputPackets														Y									
eventTimestamp														Y									
sessionId														Y									
statusType														Y									
authentication														Y									
delayTime														Y									
IMO																							
Name—IAAARadiusAuthenticatio																							
nConfig																							
nasIPAddress														Y									
nasIdentifier														Y									
imsi														Y									
serviceType														Y									
framedIPAddress														Y									

Table 11-191 AAA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 5000	ASR 1000	MWR 2941	ISR1900	ISR2900	
framedIPv6Prefix														Y								
calledStationId														Y								
callingStationId														Y								
chapChallenge														Y								
nasPortType														Y								
nasPortId														Y								
userName														Y								
3GppPdpType														Y								
3GppCgAddress														Y								
3GppGprsQosNegotiatedProfile														Y								
3GPPSgsnAddress														Y								
3GppGgsnAddress														Y								
3GppGgsnMccMnc														Y								
3GppImsiMccMnc														Y								
3GppSelectMode														Y								
3GppNsapi														Y								
3GppSgsnMccMnc														Y								
3GppChargingCharacteristics														Y								
3GppRatType														Y								
3GppImeisv														Y								
3GppMSTimezone														Y								
3GppUserLocationInformation														Y								
IMO Name—IAADynamicDictionary Container																						
IMO Name—IAADynamicDictionary																						
dynamicDictionaryName																						
baseStaticDicitionary																						
IMO Name—IAADynamicDictionary VidEntry																						
vid																						

BNG

Table 11-192 BNG Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IBBAGroupContainer																					
																		Y			
IMO Name—IBBAGroup																					
Name																		Y			
Mtu																		Y			
ServiceName																		Y			
MaxAccessInterfaceLimit																		Y			
MaxCircuitIdLimit																		Y			
MaxSessionLimit																		Y			
MaxMACAddressAccessLimit																		Y			
MaxPayloadLimit																		Y			
DisableServiceSelection																		Y			
IMO Name—IBNG																					
PppoeInflightwindowSize																		Y			
PppoePerParentSessionIdSpace Disabled																		Y			
IMO Name—ISubscriberAccessPointContainer																					
																		Y			
IMO Name—ISubscriberAccessPoint																					
AccessPoint																		Y			
AccessPointName																		Y			
AccessType																		Y			
IpAddress																		Y			
VrfName																		Y			
IngressServicePolicy																		Y			
IngressQoSPolicy																		Y			
EgressQoSPolicy																		Y			
DhcpProfileName																		Y			
BbaGroupName																		Y			

DHCP

Table 11-193 DHCP Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IDHCPServiceContainer																					
																		Y			
IMO Name—IDHCPProfilesContainer																					
																		Y			
Type																		Y			
IMO Name—IDHCPProfile																					
ProfileName																		Y			
ProfileType																		Y			
ServerAddress																		Y			
GatewayAddress																		Y			
GatewayPolicy																		Y			
RelayInformationCheck																		Y			
RelayInformationPolicy																		Y			
AgentMode																		Y			
VrfName																		Y			
LeaseLimit																		Y			
LeaseLimitType																		Y			
IMO Name—IDHCPRelayAgentInformationEntry																					
RelayAgentInformationOptionKey																		Y			
RelayAgentInformationOptionValue																		Y			
IMO Name—IDHCPHelperAddressEntry																					
ProfileClass																		Y			
VrfName																		Y			
ServerAddress																		Y			
GatewayAddress																		Y			
MatchOption																		Y			
MatchOptionValue																		Y			
MatchOptionMask																		Y			

Dynamic Config Templates

Table 11-194 Dynamic Config Templates Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IDynamicConfigTemplateContainer																					
																		Y			
IMO Name—ISubscriberTemplateContainer																					
TemplateType																		Y			
IMO Name—IPPPSubscriberTemplate																					
Name																		Y			
TemplateType																		Y			
IngressPolicy																		Y			
EgressPolicy																		Y			
Mtu																		Y			
AccessGroupIngress																		Y			
AccessGroupEgress																		Y			
KeepAliveEnabled																		Y			
KeepAliveInterval																		Y			
MaxBadAuthentication																		Y			
MaxUnknowledgedRequest																		Y			
MaxNegativeAcknowledgement																		Y			
IdleTimeout																		Y			
AssociatedIngressAclOid																		Y			
AssociatedEgressAclOid																		Y			
AssociatedIngressPolicyOid																		Y			
AssociatedEgressPolicyOid																		Y			
IMO Name—ISubscriberTimeOutSettings																					
AbsoluteSessionTimeout																		Y			
MaxAuthenticationResponseWaitTime																		Y			
MaxAuthenticationRetry																		Y			
IMO Name—ISubscribeLCPNegotiationSettings																					
LcpDelay																		Y			
LcpReNegotiation																		Y			
IMO Name—ISubscriberIPCPNegotiationSettings																					
IpcpDNSServerIPAddress																		Y			

Table 11-194 Dynamic Config Templates Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IpcpIPAddressPoolName																		Y				
IpcpWinsServerIPAddress																		Y				
AssociatedIPPool																		Y				
IpcpReNegotiation																		Y				
IMO Name—ISubscriberAuthenticationSettings																						
AuthenticationType																		Y				
ChapHostName																		Y				
MsChapHostName																		Y				
IMO Name—ISubscriberTemplate																						
Name																		Y				
TemplateType																		Y				
IngressPolicy																		Y				
EgressPolicy																		Y				
Mtu																		Y				
AccessGroupIngress																		Y				
AccessGroupEgress																		Y				
IdleTimeout																		Y				
AssociatedIngressAclOid																		Y				
AssociatedEgressAclOid																		Y				
AssociatedEgressPolicyOid																		Y				
AssociatedIngressPolicyOid																		Y				

QoS

Table 11-195 QoS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 1000	MWR 2941	ISR1900	ISR2900	
IMO Name—IServicePolicyContainer																						
											Y				Y	Y	Y					
IMO Name—IServicePolicy																						
PolicyName											Y				Y	Y	Y					
PolicyType											Y				Y	Y	Y					

Table 11-195 QoS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 1000	MWR 2941	ISR1900	ISR2900	ISR3900	
ProcessingStrategy											Y				Y	Y	Y	Y					
PolicyTrigger											Y				Y	Y	Y	Y					
IMO Name—IPolicyRule																							
Name											Y				Y	Y	Y	Y					
RuleType											Y				Y	Y	Y	Y					
MatchCondition											Y				Y	Y	Y	Y					
ActionExecutionStrategy											Y				Y	Y	Y	Y					
IMO Name—IPolicyRuleActionEntry																							
PolicyRuleIdentifier											Y				Y	Y	Y	Y					
SequenceNumber											Y				Y	Y	Y	Y					
ActionType											Y				Y	Y	Y	Y					
AssociatedEntity											Y				Y	Y	Y	Y					
AffectedEntityValue											Y				Y	Y	Y	Y					
IMO Name—IPolicyGroup																							
PolicyName											Y				Y	Y	Y	Y					
PolicyType											Y				Y	Y	Y	Y					
ProcessingStrategy											Y				Y	Y	Y	Y					
PolicyTrigger											Y				Y	Y	Y	Y					
IMO Name—IQoSContainer																							
											Y				Y	Y	Y	Y					
IMO Name—IClassOfServiceContainer																							
											Y				Y	Y	Y	Y					
IMO Name—IClassOfService																							
Name											Y				Y	Y	Y	Y					
CosType											Y				Y	Y	Y	Y					
MatchCriteriaMatchingStrategy											Y				Y	Y	Y	Y					
IMO Name—IClassOfServiceMatchCriteriaEntry																							
Index											Y				Y	Y	Y	Y					
MatchType											Y				Y	Y	Y	Y					
MatchCondition											Y				Y	Y	Y	Y					
MatchValue											Y				Y	Y	Y	Y					
AssociatedEntity											Y				Y	Y	Y	Y					
IMO Name—IInterfaceAssociationEntry																							
EntityAssociation																Y	Y	Y					

Table 11-195 QoS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 901	ASR 903	ASR 1000	MWR 2941	ISR1900	ISR2900
InterfaceName															Y	Y	Y				

BNG,DHCP,QoS

Table 11-196 BNG,DHCP,QoS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	ASR 9000
IMO Name—InterfaceAssociationEntry	
EntityAssociation	Y
InterfaceName	Y

IPMulticast

Table 11-197 IPMulticast Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	NCS 6008	Sunstone	ASR 1000	MWR 2941
IMO Name—IIGMP																						
NsfStatus																		Y	Y	Y	Y	Y
IMO Name—IIGMPInterfacesEntry																						
InterfaceName																		Y	Y	Y	Y	Y
InterfaceAddress																		Y	Y	Y	Y	Y
AssociatedEntity																		Y	Y	Y	Y	Y
VRF																		Y	Y	Y	Y	Y
IGMPStatus																		Y	Y	Y	Y	Y
IGMPVersion																		Y	Y	Y	Y	Y
IMO Name—IIGMPGroupsEntry																						
GroupAddress																		Y	Y	Y	Y	Y
InterfaceName																		Y	Y	Y	Y	Y
AssociatedEntity																		Y	Y	Y	Y	Y

Table 11-197 IPMulticast Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	NCS 6008	Sunstone	ASR 1000	MWR 2941	ESR 1000
VRF																	Y	Y	Y	Y	Y		
UpTime																	Y	Y	Y	Y	Y		
Expires																	Y	Y	Y	Y	Y		
LastReporter																	Y	Y	Y	Y	Y		
IMO Name—IIGMPGroupRangesEntry																							
GroupRange																	Y	Y	Y	Y			
Protocol																	Y	Y	Y	Y			
IMO Name—IPIM																							
NsfStatus																	Y	Y	Y	Y	Y		
IMO Name—IPIMInterfaceEntry																							
InterfaceName																	Y	Y	Y	Y	Y		
AssociatedEntity																	Y	Y	Y	Y	Y		
IpAddress																	Y	Y	Y	Y	Y		
PimStatus																	Y	Y	Y	Y	Y		
HelloInterval																	Y	Y	Y	Y	Y		
DesignatedRouter																	Y	Y	Y	Y	Y		
DesignatedRouterPriority																	Y	Y	Y	Y	Y		
VrfName																	Y	Y	Y	Y	Y		
IMO Name—IPIMCandidateRendezvousPointEntry																							
CandidateRPIPAAddress																	Y	Y	Y	Y	Y		
Mode																	Y	Y	Y	Y	Y		
Scope																	Y	Y	Y	Y	Y		
Priority																	Y	Y	Y	Y	Y		
UpTime																	Y	Y	Y	Y	Y		
GroupList																	Y	Y	Y	Y	Y		
Vrf																		Y	Y	Y	Y		
RpType																	Y	Y	Y	Y	Y		
IMO Name—IPIMTopologyEntry																							
SourceAddress																	Y	Y	Y	Y	Y		
GroupAddress																	Y	Y	Y	Y	Y		
PimMode																	Y	Y	Y	Y	Y		
TreeType																	Y	Y	Y	Y	Y		
Uptime																	Y	Y	Y	Y	Y		
RpAddress																	Y	Y	Y	Y	Y		

Table 11-197 IPMulticast Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	NCS 6008	Sunstone	ASR 1000	MWR 2941
JoinPruneStatus																	Y	Y	Y	Y	Y	
Rpf																	Y	Y	Y	Y	Y	
Vrf																					Y	
Flags																	Y	Y	Y	Y	Y	
IMO Name—IPIMNeighborEntry																						
VrfName																	Y	Y	Y	Y	Y	
NeighbourIPAddress																	Y	Y	Y	Y	Y	
InterfaceName																	Y	Y	Y	Y	Y	
AssociatedEntity																	Y	Y	Y	Y		
Flags																	Y	Y	Y	Y		
DesignatedRouterPriority																	Y	Y	Y	Y		
UpTime																	Y	Y	Y	Y		
VrfString																	Y	Y	Y	Y		
IMO Name—IMulticastContainer																						
																	Y	Y	Y	Y		
IMO Name—IIPV4MulticastAddressFamilyConfiguration																						
MdtSourceInterface																	Y	Y				
MdtMLDP																	Y	Y				
MdtStatic																	Y	Y				
InterfaceAll																	Y	Y			Y	
Nsf																	Y	Y			Y	
AddressFamily																	Y	Y			Y	
IMO Name—IIPV6MulticastAddressFamilyConfiguration																						
MdtSourceInterface																	Y	Y				
MdtMLDP																	Y	Y				
MdtStatic																	Y	Y				
InterfaceAll																	Y	Y			Y	
Nsf																	Y	Y			Y	
AddressFamily																	Y	Y			Y	
IMO Name—IMulticastGlobalInterfaceTableEntry																						
InterfaceName																	Y	Y	Y	Y		
IMO Name—IRoutePoliciesEntry																						
Name																	Y	Y	Y	Y		
CoreTreeType;																	Y	Y	Y	Y		

Table 11-197 IPMulticast Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	NCS 6008	Sunstone	ASR 1000	MWR 2941	ESR 1000
IMO Name—IIPV4VRFMulticastConfiguration																							
VpnId																	Y	Y			Y		
RoutePolicy																	Y	Y			Y		
BgpAD																	Y	Y			Y		
MdtSourceIf																	Y	Y			Y		
MdtPartitioned																	Y	Y					
MdtAddress																	Y	Y			Y		
MdtData																	Y	Y					
Nsf																	Y	Y			Y		
AddressFamily																	Y	Y			Y		
RpAddress																	Y	Y			Y		
IMO Name—IIPV6VRFMulticastConfiguration																							
VpnId																	Y	Y			Y		
RoutePolicy																	Y	Y			Y		
BgpAD																	Y	Y			Y		
MdtSourceIf																	Y	Y			Y		
MdtPartitioned																	Y	Y					
MdtAddress																	Y	Y			Y		
MdtData																	Y	Y					
Nsf																	Y	Y			Y		
AddressFamily																	Y	Y			Y		
RpAddress																	Y	Y			Y		
IMO Name—IMultiCastLabelSwitchingContainer																							
																	Y	Y			Y		
IMO Name—IMLDPDatabaseContainer																							
																	Y	Y			Y		
IMO Name—IMLDPDatabase																							
FecRoot																	Y	Y			Y		
IsThisFECRoot																	Y	Y			Y		
LsmID																	Y	Y			Y		
OpaqueValue																	Y	Y			Y		
TunnelType																	Y	Y			Y		
IMO Name—IMLDPDatabaseDownstreamClientsEntry																							
EgressInterfaceName																	Y	Y			Y		

Table 11-197 IPMulticast Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	NCS 6008	Sunstone	ASR 1000	MWR 2941
AssociatedEntity																	Y	Y			Y	
IngressState																	Y	Y				
LocalLabel																	Y	Y			Y	
PpmpState																	Y	Y				
TableID																	Y	Y				
Uptime																	Y	Y			Y	
IMO Name—IMLDPNeighborContainer																						
																	Y	Y			Y	
IMO Name—IMLDPPeers																						
Capabilities																	Y	Y			Y ¹	
MldpGR																	Y	Y			Y	
PathCount																	Y	Y			Y	
PeerID																	Y	Y			Y	
Uptime																	Y	Y			Y	
IMO Name—IMLDPPeerPathsEntry																						
InterfaceName																	Y	Y			Y	
IpAddress																	Y	Y			Y	
AssociatedEntity																	Y	Y			Y	
Protocol																	Y	Y			Y	
IMO Name—IMLDPPeerAdjacentListEntry																						
InterfaceName																	Y	Y				
AssociatedEntity																	Y	Y				
IpAddress																	Y	Y				
IMO Name—IVRFMrouteIpv4Entry																						
MgId																	Y	Y				
SourceAddress																	Y	Y			Y	
GroupAddress																	Y	Y			Y	
Flags																	Y	Y			Y	
Uptime																	Y	Y			Y	
Protocol																	Y	Y			Y	
IMO Name—IVRFMrouteIpv6Entry																						
MgId																	Y	Y			Y	
SourceAddress																	Y	Y			Y	
GroupAddress																	Y	Y			Y	

Table 11-197 IP Multicast Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	NCS 6008	Sunstone	ASR 1000	MWR 2941	ISR 1000
Flags																	Y	Y			Y		
Uptime																	Y	Y			Y		
Protocol																	Y	Y			Y		

¹Hard-coded

Mobile

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
IMO Name—IAPN																							
apnName																							
accountingMode																					Y		
l3toL2AddressPolicy																					Y		
allocationType																					Y		
dnsConfiguration																					Y		
ipHeaderCompression																					Y		
pDP																					Y		
radiusServerConfiguration																					Y		
mediationDevice																					Y		
netBIOS																					Y		
apnTunnel																					Y		
dhcp																					Y		
pPPPProfile																					Y		
apnIpParameters																					Y		
apnChargingCharacteristics																					Y		
gSMQoS																					Y		
newcallPolicy																					Y		
mobileIP																					Y		
aPNIPv6																					Y		
virtualAPNs																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
qciToDscp																					Y		
qciArpToDscp																					Y		
gtp																					Y		
aPNQoSDownlinkTrafficPolicingEntries																					Y		
aPNQoSUplinkTrafficPolicingEntries																					Y		
activeChargingBandwidthPolicy																					Y		
activeChargingRulebase																					Y		
contentFilteringCategoryPolicyId																					Y		
creditControlGroup																					Y		
iPPoolProfiles																					Y		
timeout																					Y		
selectionMode																					Y		
IMO Name—IAPNIPv6																							
addressPrefixPoolName																					Y		
dNSPrimaryAddress																					Y		
dNSSecondaryAddress																					Y		
egressAddressFiltering																					Y		
IMO Name—IAPNChargingCharacteristics																							
homeBitBehavior																					Y		
homeProfile																					Y		
visitingBitBehavior																					Y		
visitingProfile																					Y		
roamingBitBehavior																					Y		
roamingProfile																					Y		
allBitBehavior																					Y		
allProfile																					Y		
radiusReturned																					Y		
useGgsn																					Y		
IMO Name—IAPNIPParameters																							
inAccessGroup																					Y		
outAccessGroup																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
nextHopGatewayAddress																				Y			
localAddress																				Y			
IMO Name—IAPNTunnel																							
addressPolicy																				Y			
peerLoadBalancing																				Y			
type																				Y			
IMO Name—IDNSConfiguration																							
primaryDNSAddress																				Y			
secondaryDNSAddress																				Y			
IMO Name—IGSMQos																							
sDUErrorRatioCode																				Y			
residualBERCode																				Y			
IMO Name—IMediationDevice																							
deviceContext																				Y			
accounting																				Y			
noEarlyPDU																				Y			
noInterims																				Y			
delayGTPResponse																				Y			
IMO Name—IMobileIP																							
hA																				Y			
alternateHA																				Y			
mnHaSPI																				Y			
mnHaSharedKey																				Y			
mnHaHashAlgorithm																				Y			
mnAAARemovalIndication																				Y			
IMO Name—INetBIOS																							
primaryNBNSAddress																				Y			
secondaryNBNSAddress																				Y			
IMO Name—IPDPContextsParameters																							
pDPType																				Y			
primaryContexts																				Y			
totalContexts																				Y			
IMO Name—IPPPProfile																							
keepAlivePeriod																				Y			

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
mtu																					Y		
authenticationMethod																					Y		
minCompressionSize																					Y		
dataCompressionMode																					Y		
dataCompressionPortoocls																					Y		
IMO Name—IQCIEntry																							
qci																							
dscp																							
IMO Name—IQCIARPEnt																							
qci																							
dscp																							
arp																							
IMO Name—IRadiusServerConfiguration																							
radiusGroup																					Y		
radiusSecondaryGroup																					Y		
returnedFramedIpAddressPolicy																					Y		
returnedUserNamePolicy																					Y		
IMO Name—IAPNTimeout																							
absoluteTimeout																					Y		
idleTimeout																					Y		
longDurationTimeout																					Y		
longDurationInactivityTimeout																					Y		
emergencyInactivityTimeout																					Y		
bearerInactivityTimeout																					Y		
bearerInactivityVolumeThresholdTotal																					Y		
idleTimeoutActivityIgnoreDownlink																					Y		
longDurationAction																					Y		
mbmsBearerAbsoluteTimeout																					Y		
mbmsBearerIdleTimeout																					Y		
mbmsUeAbsoluteTimeout																					Y		
ipv6InitRouterSolicitWaitTimeout																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IVirtualAPN																						
preference																				Y		
aPN																				Y		
ruleDefinition																				Y		
IMO Name—IAPNDhcp																						
dhcpContext																				Y		
dhcpServiceName																				Y		
dhcpLeaseExpirationPolicy																				Y		
IMO Name—IGTPPAPNGroupEntry																						
groupXid																				Y		
accountingContextName																				Y		
accountingContext																				Y		
groupType																				Y		
group																				Y		
IMO Name—IAPNQoSTrafficPolicingEntry																						
qciName																				Y		
negotiateLimit																				Y		
peakDataRate																				Y		
committedDataRate																				Y		
rateLimit																				Y		
burstSizeAutoReadjust																				Y		
burstSizeAutoReadjustDuration																				Y		
peakBurstSize																				Y		
guaranteedBurstSize																				Y		
exceedAction																				Y		
violateAction																				Y		
IMO Name—IGGSNService																						
serviceName																				Y		
pLMNPolicy																				Y		
newcallPolicy																				Y		
authenticationServerTimeout																				Y		
accountingServerTimeout																				Y		
gtpu																				Y		
accountingContext																				Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
localIpAddress																					Y		
pGW																					Y		
plmns																					Y		
sgsns																					Y		
timersAndQoS																					Y		
chargingCharacteristics																					Y		
status																					Y		
IMO Name—ISGSNEntry																							
iPAddress																					Y		
subnetMask																					Y		
pLMNId																					Y		
rejectForeignSubscriber																					Y		
pLMNForeign																					Y		
rATType																					Y		
description																					Y		
IMO Name—IPLMNEEntry																							
pLMNId																					Y		
primary																					Y		
IMO Name—IGGSNTimersAndQoS																							
retransmissionTimeout																					Y		
maxRetransmissions																					Y		
echoInterval																					Y		
guardInterval																					Y		
setupTimeout																					Y		
qciToDscp																					Y		
qciArpToDscp																					Y		
IMO Name—IGGSNChargingCharacteristics																							
ccBehaviorNoRecords																					Y		
intervals																					Y		
profiles																					Y		
tariffs																					Y		
IMO Name—IGGSNChargingCharacteristicsIntervalTableEntry																							
sgsns																					Y		
profileId																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
interval																					Y		
downLink																					Y		
upLink																					Y		
total																					Y		
IMO Name—IGTPUService																							
serviceName																					Y		
echoInterval																					Y		
maxRetransmissions																					Y		
retransmissionTimeout																					Y		
iPSECTunnelIdleTimeout																					Y		
allowErrorIndication																					Y		
includeUDPPortExtHdr																					Y		
ips																					Y		
state																							
Echo Mode																							
Smooth Factor																							
Echo Retransmission Timeout																							
IP QOS DSCP value																							
Source Port Configuration																							
Path Failure Clear Trap																							
Path Failure Detection																							
UDP Checksum																							
IMO Name—IIPAddressEntry																							
ipAddress																					Y		
Ike Bind Address																							
Bearer Type																							
Crypto Template																							
IMO Name—ISGWService																							
serviceName																					Y		
serviceStatus																					Y		
accountingContext																					Y		
accountingGtppGroup																					Y		
accountingMode																					Y		
egressProtocol																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
egressContext																					Y		
egressMagService																					Y		
imsAuthorizationService																					Y		
accountingPolicy																					Y		
newcallPolicy																					Y		
qciQosMappingTable																					Y		
pLMNEntries																					Y		
IMO Name—IPGWService																							
serviceName																					Y		
pgwStatus																					Y		
newcallPolicy																					Y		
egtpService																					Y		
lmaService																					Y		
ggsnService																					Y		
qciQosMappingTable																					Y		
sessionDeleteDelayTimeout																					Y		
pLMNEntry																					Y		
IMO Name—ISAEGWService																							
serviceName																					Y		
newcallPolicy																					Y		
saegwServiceID																					Y		
saegwStatus																					Y		
sgwService																					Y		
pgwService																					Y		
IMO Name—IQciQosMapping																							
mappingName																					Y		
qciQosMappingEntries																					Y		
IMO Name—IQciQosMappingEntry																							
qciNumber																					Y		
uplink																					Y		
downlink																					Y		
maxPacketDelay																					Y		
maxErrorRate																					Y		
delayClass																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
precedenceClass																				Y			
reliabilityClass																				Y			
qciType																				Y			
trafficPolicingInterval																				Y			
uplink802.1pPriority																				Y			
uplinkEncapsHeader																				Y			
uplinkUserDatagram																				Y			
downLink802.1pPriority																				Y			
downLinkEncapsHeader																				Y			
downLinkUserDatagram																				Y			
upLinkInternalPriority	Y																			Y			
downLinkInternalPriority	Y																			Y			
IMO Name—IAPNProfile																							
apnProfileName																				Y			
apnProfileDescription																				Y			
qosServiceCappingPreferType																				Y			
addressResolutionMode																				Y			
chargingCharacteristicsPreferredSource																				Y			
chargingCharacteristicsLocalSCDRBehaviorBit																				Y			
chargingCharacteristicsLocalSCDRBehaviorProfileIndex																				Y			
ggsnAlgorithmApplicable																				Y			
ipSourceValidation																				Y			
ipSourceValidationToleranceLimit																				Y			
directTunnel																				Y			
privateExtensionLORCieToGGSN																				Y			
privateExtensionLORCieToSGSN																				Y			
idleModeACLipV4																				Y			
idleModeACLipV6																				Y			
dnsQueryWithMSISDNRangeStart																				Y			

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
dnsQueryWithMSISDNto																					Y		
dnsQueryWithLACorRAC																					Y		
dnsQueryWithRNCid																					Y		
dnsQueryWithCC																					Y		
dnsQueryCCIdFormat																					Y		
aPNProfileGatewayEntries																					Y		
aPNProfileRANAPAllocationRetentionPriorityEntries																					Y		
aPNProfilePDPInactivity																					Y		
aPNProfileQoSClassEntries																					Y		
aPNProfileUplinkTrafficPolicingEntries																					Y		
aPNProfileDownlinkTrafficPolicingEntries																					Y		
aPNProfileUMTSRestrictAccessType																					Y		
aPNProfileGPRSRestrictAccessType																					Y		
aPNProfileUplinkQoSToDSCP																					Y		
aPNProfileDownlinkQoSToDSCP																					Y		
IMO Name—IAPNProfileContainer																							
aPNProfiles																					Y		
IMO Name—IAPNProfileDownlinkQoSToDSCP																							
conversational																					Y		
streaming																					Y		
interactiveTP1																					Y		
interactiveTP2																					Y		
interactiveTP3																					Y		
interactiveTP1AllocP1																					Y		
interactiveTP1AllocP2																					Y		
interactiveTP1AllocP3																					Y		
interactiveTP2AllocP1																					Y		
interactiveTP2AllocP2																					Y		
interactiveTP2AllocP3																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
interactiveTP3AllocP1																					Y		
interactiveTP3AllocP2																					Y		
interactiveTP3AllocP3																					Y		
background																					Y		
IMO Name—IAPNProfileUplinkQoSToDSCP																							
conversational																					Y		
streaming																					Y		
interactiveTP1																					Y		
interactiveTP2																					Y		
interactiveTP3																					Y		
interactiveTP1AllocP1																					Y		
interactiveTP1AllocP2																					Y		
interactiveTP1AllocP3																					Y		
interactiveTP2AllocP1																					Y		
interactiveTP2AllocP2																					Y		
interactiveTP2AllocP3																					Y		
interactiveTP3AllocP1																					Y		
interactiveTP3AllocP2																					Y		
interactiveTP3AllocP3																					Y		
background																					Y		
IMO Name—IAPNProfilePDPInactivity																							
pdpInactivityIdleTimeout																					Y		
pdpInactivityIdleTimeoutAction																					Y		
pdpInactivityIdleTimeoutActionCondition																					Y		
pdpIPV4IPV6Override																					Y		
IMO Name—IAPNProfileUMTSRestrictAccessType																							
accessTypeState																					Y		
qosClassBackground																					Y		
qosClassInteractive																					Y		
qosClassStreaming																					Y		
qosClassConversational																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
IMO Name—IAPNProfileGPRSRestrictAccessType																							
accessTypeState																						Y	
qosClassBackground																						Y	
qosClassInteractive																						Y	
qosClassStreaming																						Y	
qosClassConversational																						Y	
IMO Name—IAPNProfileQoSClassEntry																							
sduDeliveryOrder																							
deliveryOfErroneousSDUs																							
maxBitRateUplink																							
maxBitRateDownlink																							
allocationRetentionPriority																							
trafficHandlingPriority																							
sduMaxSize																							
sduErrorRatio																							
guaranteedBitRateUplink																							
guaranteedBitRateDownlink																							
minimumTransferDelay																							
residualBER																							
mbrMapDown																							
mbrMapUp																							
className																							
IMO Name—IAPNProfileRANAPAllocationRetentionPriorityEntry																							
subscriptionPriority																							
priorityLevel																							
preEmptionCapability																							
preEmptionVulnerability																							
queuingAllowed																							
trafficClass																							
IMO Name—IAPNProfileGatewayEntry																							
ipAddress																							
gatewayType																							
priority																							
pool																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
weight																							
IMO Name—IAPNProfileUplinkTrafficPolicingEntry																							
burstSizeAutoReAdjust																							
burstSizeAutoReAdjustDuration																							
peakBurstSize																							
guaranteedBurstSize																							
exceedAction																							
violateAction																							
trafficClass																							
IMO Name—IAPNProfileDownlinkTrafficPolicingEntry																							
burstSizeAutoReAdjust																							
burstSizeAutoReAdjustDuration																							
peakBurstSize																							
guaranteedBurstSize																							
exceedAction																							
violateAction																							
trafficClass																							
IMO Name—IAPNRemap																							
apnRemapName																							
apnRemapDescription																							
apnWhenNoAPNRequested																							
wildcardAPNIPv4																							
wildcardAPNIPv6																							
wildcardAPNIPv4v6																							
wildcardAPNforPPP																							
aPNRemapDefaultAPN																							
aPNRemapChargingCharacteristicsEntries																							
aPNRemapNetworkOperatorIdentifierEntries																							
IMO Name—IAPNRemapContainer																							
aPNRemaps																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IAPNRemapChargingCharacteristicsEntry																						
behaviorBitValue																						
profileIndex																						
matchAPN																						
apnForOverriding																						
IMO Name—IAPNRemapNetworkOperatorIdentifierEntry																						
oldNetworkIdentifier																						
newNetworkIdentifier																						
networkIdentifierWildcardReplaceString																						
oldOperatorIdentifier																						
newOperatorIdentifier																						
operatorIdentifierMNCReplaceString																						
operatorIdentifierMCCReplaceString																						
IMO Name—IAPNRemapDefaultAPN																						
defaultAPNName																						
requireSubscription																						
useDefaultAPNWhenNoAPNisRequested																						
useDefaultAPNWhenDNSQueryFails																						
fallbackAPNtoUse																						
fallbackAPNinFirstSubscription																						
useAPNfromSingleSubscriptionRecord																						
IMO Name—IOperatorPolicy																						
operatorPolicyName																						
operatorPolicyDescription																						
callControlProfileName																						
callControlValidity																						
apnRemapTableName																						
apnRemapTableValidity																						
defaultAPNProfileName																						

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
defaultAPNProfileValidity																							
operatorPolicyIMEIRangesEntries																							
operatorPolicyAPNEntries																							
IMO Name—IOperatorPolicyAPNEntry																							
networkIdentifier																							
networkIdentifierAPNProfileName																							
networkIdentifierAPNProfileValidity																							
operatorIdentifier																							
operatorIdentifierAPNProfileName																							
operatorIdentifierAPNProfileValidity																							
IMO Name—IOperatorPolicyContainer																							
operatorPolicies																							
IMO Name—IOperatorPolicyIMEIRangesEntry																							
startRange																							
toRange																							
softwareVersion																							
profileName																							
imeiValidity																							
IMO Name—IGTPPGroupContainer																							
gTPPGroups																							
IMO Name—IGTPPGroup																							
dictionary																							
storageServer																							
accountingServer																							
chargingAgent																							
cDRTriggers																							
localStorage																							
groupName																							
cdrTimeout																							
cdrMaxRetries																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
maxCDRSize																							
maxCDRSinMsg																							
maxCDRsWaitTime																							
cdrStorageMode																							
sourcePortValidation																							
dataReqStartSeqNum																							
startFileSeqNum																							
recoverFileSeqNum																							
accountingServerFailureDetection																							
cDRAttributesIndicator																							
eGCDRDataGenerationConfiguration																							
mBMSCDRTriggers																							
Suppress Zero Volume CDRs																							
Data Record Version Format																							
IMO Name—IGTPPAccountingServerFailureDetection																							
echoTimeout																							
echoMaxRetries																							
deadTime																							
detectDeadServerConsecutiveFailures																							
deadServerSuppressCDRs																							
duplicateHoldTimeMinutes																							
redirectionAllowed																							
IMO Name—IGTPPCDRAttributesIndicator																							
apnPresent																							
pdpTypePresent																							
pdpAddressPresent																							
dynamicFlagPresent																							
diagnosticsPresent																							
nodeIDPresent																							
chargingCharacteristicSelectionModePresent																							
msisdn																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
imeiPresent																							
ratPresent																							
userLocationInformationPresent																							
listOfServiceDataPresent																							
servedMNAIPresent																							
pgwPLMNIDPresent																							
startTimePresent																							
stopTimePresent																							
pdnConnectionIDPresent																							
servedPDPPDNAddressExtensionPresent																							
duration																							
plmnIDPresent																							
plmnIDUnknownUse																							
localRecSeqNumPresent																							
nodeIDSuffix																							
cellPLMNid																							
camellInfo																							
recordingEntity																							
serviceCentre																							
destinationNumber																							
rat																							
SGW IPv6 Address																							
PGW IPv6 Address																							
SNA IPv6 Address																							
QOS Max Length																							
Record Type (SaMOG)																							
APN AMBR Present																							
Sponsor ID																							
Sgsn Change Present																							
Dynamic Address Flag Extension Present																							
TWAN User Location Information Present																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
User CSG Information Present																							
Served PDP PDN Address Prefix Length Present																							
IMSI Unauthenticated Flag Present																							
Low Access Priority Indicator																							
Direct Tunnel Present																							
Furnish Charging Information Present																							
IMO Name—IGTPPCDRTriggers																							
volumeLimit																							
timeLimit																							
tariffTimeChange																							
servingNodeChangeLimit																							
intraSGSNGroupChange																							
interPLMNSGSNChange																							
egcdrMaxLosdvLimit																							
qosChange																							
ratChange																							
onRATChangeGenerate																							
msTimezoneChange																							
routingAreaUpdate																							
presvModeStateChange																							
directTunnel																							
cellUpdate																							
plmnIDChange																							
Dcca																							
Service Idle Out																							
ULI Change																							
APN AMBR Change																							
IMO Name—IGTPPChargingAgent																							
chargingAgentAddress																							
chargingAgentPort																							
IMO Name—IGTPPEGCDRDataGenerationConfiguration																							
lotdvMaxContainers																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
losdvMaxContainers																							
serviceIdleTimeout																							
serviceInterval																							
serviceUplink																							
serviceDownlink																							
serviceTotal																							
closingCauseUnique																							
includeAllLosdvs																							
deleteServiceThresholds																							
Cause For Record Closing Normal Release																							
IMO Name—IGTPPLocalStorage																							
fileRotationVolumeLimit																							
fileRotationCDRCount																							
fileRotationTimeInterval																							
forceFileRotationByTimeInterval																							
fileCompression																							
fileFormat																							
purgeProcessedFiles																							
File Transfer Mode																							
IMO Name—IGTPPMBMSCDRTriggers																							
buckets																							
interval																							
volume																							
time1																							
time2																							
time3																							
time4																							
IMO Name—IGTPPStorageServer																							
storageServerAddress																							
storageServerPort																							
storageServerTimeout																							
storageServerMaxRetries																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IGTPPAccountingServerTableEntry																						
contextName																						
primaryAccountingServerAddress																						
priority																						
state																						
port																						
group																						
IMO Name—ICreditControl																						
mode																						
apnType																						
triggerType																						
msccFinalUnitAction																						
quota																						
serverUnreachableFailureHandling																						
pendingTrafficTreatment																						
failureHandling																						
creditControlDiameter																						
diameterPeerSelect																						
group																						
IMO Name—IActiveChargingContainer																						
activeChargingServices																						
IMO Name—IActiveChargingService																						
contentFiltering																						
serviceName																						
tcpFlowIdleTimeout																						
udpFlowIdleTimeout																						
icmpFlowIdleTimeout																						
algMediaIdleTimeout																						
tcpFlowMappingIdleTimeout																						
udpFlowMappingTimeout																						
deepPacketInspection																						
passiveMode																						

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
cdrFlowControl																							
cdrFlowControlUnsentQueueSize																							
cdrFlowUnsentQueueHigh																							
cdrFlowUnsentQueueLow																							
dynamicContentFiltering																							
urlBlackListing																							
urlBlacklistingMatchMethod																							
contentFilteringMatchMethod																							
interpretationOfChargingRulebaseName																							
selectedChargingRulebaseForAVP																							
contentFilteringCategoriesContainer																							
activeChargingFairUsage																							
creditControlContainer																							
chargingActionContainer																							
rulebaseContainer																							
bandwidthPolicyContainer																							
ruledefContainer																							
groupofRuledefContainer																							
activeChargingServiceRedirectUserAgentEntries																							
IMO Name—IActiveChargingFairUsage																							
cpuThresholdPercent																							
thresholdPercent																							
deactivateMarginPercent																							
IMO Name—ICreditControlContainer																							
creditControlGroups																							
IMO Name—IDiameterPeerSelectTableEntry																							
realm																							
secondaryPeer																							
secondaryRealm																							
imsiRangeMode																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
imsiStartValue																							
imsiEndValue																							
peer																							
IMO Name—IcreditControlDiameter																							
dictionary																							
endpointName																							
endPointRealm																							
sessionFailover																							
pendingTimeout																							
IMO Name—IFailureHandling																							
initialRequest																							
updateRequest																							
terminateRequest																							
IMO Name—IPendingTrafficTreatment																							
noQuota																							
quotaExhausted																							
validityExpired																							
forcedReauth																							
trigger																							
IMO Name—IQuota																							
requestTrigger																							
holdingTime																							
validityTime																							
timeThreshold																							
unitsThreshold																							
volumeThreshold																							
IMO Name—IServerUnreachableFailureHandling																							
initialRequest																							
updateRequest																							
IMO Name—IContentFilteringCategoriesContainer																							
contentFilteringCategory																							
IMO Name—IContentFilteringCategory																							
contentFilteringPolicyId																							
failureAction																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
edrFile																							
categoryPolicy																							
IMO Name—IContentFilteringCategoryPolicyTableEntry																							
contentCategory																							
contentPriority																							
contentFailureAction																							
contentInsert																							
contentRedirect																							
contentReplyCode																							
edrFileFormat																							
IMO Name—IChargingActionContainer																							
chargingAction																							
IMO Name—IChargingAction																							
chargingActionName																							
contentId																							
serviceId																							
chargingEDRName																							
chargingEGCDRs																							
chargingUDRs																							
chargingRf																							
flowIdleTimeout																							
limitForFlowTypeState																							
limitForFlowTypeValue																							
limitForFlowTypeAction																							
redirectURL																							
ipTypeOfService																							
retransmissionCount																							
contentFiltering																							
creditConrol																							
creditRatingGroup																							
chargeVolume																							
nextHopForwardingAddress																							
vlanId																							
flowMappingIdleTimeout																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
chargingActionAllocationRetentionPriority																							
chargingActionQoS																							
chargingActionBillingAction																							
chargingActionVideo																							
chargingActionFlowAction																							
chargingActionPacketFilterEntries																							
chargingActionBandwidth																							
IMO Name—IChargingActionAllocationRetentionPriority																							
priorityLevel																							
priorityVulnerabilityIndicator																							
priorityCapabilityIndicator																							
IMO Name—IChargingActionBillingAction																							
edr																							
egcdr																							
rfAccounting																							
udr																							
radiusAccountingRecord																							
IMO Name—IChargingActionBandwidth																							
bandWidthID																							
uplink																							
downlink																							
chargingActionBandwidthDirectionEntries																							
IMO Name—IChargingActionBandwidthDirectionEntry																							
peakDataRate																							
peakBurstSize																							
violationAction																							
committedDataRate																							
committedBurstRate																							
exceedAction																							
direction																							
IMO Name—IChargingActionFlowAction																							
redirectURL																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
clearQuotaRetryTimer																							
conditionalRedirect																							
discard																							
randomDrop																							
readdress																							
terminateFlow																							
ocsRedirectURL																							
terminateSession																							
IMO Name—IChargingActionPacketFilterEntry																							
packetFilterName																							
IMO Name—IChargingActionQoS																							
renegotiateTrafficClass																							
classIdentifier																							
IMO Name—IChargingActionVideo																							
bitRate																							
readdressingCAE																							
transrating																							
targetRateReduction																							
IMO Name—IRuledefContainer																							
ruledef																							
IMO Name—IRuledef																							
ruleName																							
applicationType																							
copyPacketToLog																							
tetheredFlowCheck																							
multiLineOR																							
ruledefProtocolConfigurationEntries																							
IMO Name—IRuledefProtocolConfigurationEntry																							
operator																							
value																							
fields																							
IMO Name—IGroupofRuledefContainer																							
groupOfRuledef																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IGroupOfRuleDef																						
applicationType																						
dynamicCommandContentFilteringPolicyId																						
groupOfRuleDefPriorityEntries																						
name																						
IMO Name—IGroupOfRuleDefPriorityEntry																						
ruleDefName																						
priority																						
IMO Name—IRulebaseContainer																						
rulebase																						
IMO Name—IRulebase																						
rulebaseName																						
prefixedUrlForPreprocessingGroupName																						
flowErrorChargingAction																						
limitForTotalFlows																						
limitForTCPFlows																						
limitforNonTCPFlows																						
chargingRuleOptimization																						
qosRenegotiationTimeout																						
rtpDynamicRouting																						
ignorePortInApplicationHeader																						
delayedCharging																						
chargeMidSessionPackets																						
chargeSeparateFromApplication																						
xHeaderCertificateName																						
xHeaderReEncryptionPeriod																						
defaultBandwidthPolicyName																						
p2pDynamicRouting																						
fairUsageWaiverPercentage																						
urlBlackListingAction																						
urlBlacklistingContentId																						
rulebaseTCPProxyMode																						

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
rulebaseBillingAndChargingRecords																							
rulebaseEGCDRFields																							
rulebaseFlowEndConditions																							
rulebaseTetheringDetection																							
rulebaseUDRFields																							
rulebaseChargingActionPrioritiesEntries																							
ruleBaseRoutingActionPrioritiesEntries																							
rulebaseContentFiltering																							
rulebaseCCAFields																							
rulebasePostProcessingActionPrioritiesEntries																							
IMO Name—IRulebaseChargingActionPrioritiesEntry																							
chargingActionName																							
timeDef																							
ruledef																							
priority																							
type																							
description																							
IMO Name—IRuleBaseRoutingActionPrioritiesEntry																							
analyzer																							
routingRuledef																							
priority																							
description																							
IMO Name—IRulebasePostProcessingActionPrioritiesEntry																							
chargingAction																							
ruledefName																							
priority																							
type																							
description																							
IMO Name—IRulebaseBillingAndChargingRecords																							
billingFormatUDRs																							
uDRFormatname																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
failureHandlingUDRs																							
failureHandlingUdrFormatName																							
billingFormatEGCDRs																							
billingFormatRf																							
billingFormatRadius																							
transactionCompleteChargingEDRFormat																							
transactionCompleteReportingERFormat																							
edrTransactionCompleteProtocol																							
edrSupressZeroByteRecords																							
IMO Name—IRulebaseCCAFields																							
radiusChargingContext																							
radiusChargingGroup																							
radiusInterimInterval																							
diameterRequestedServiceUnitTime																							
diameterRequestedServiceSpecificUnits																							
diameterRequestedServiceVolumeInputOctets																							
diameterRequestedServiceVolumeOutputOctets																							
diameterRequestedServiceVolumeTotalOctets																							
quotaRetryTime																							
rulebaseCCATimeDurationAlgorithmEntries																							
rulebaseCCAQuotaHoldingTimeEntries																							
IMO Name—IRulebaseCCAQuotaHoldingTimeEntry																							
contentId																							
quotaHoldingTime																							
IMO Name—IRulebaseCCATimeDurationAlgorithmEntry																							
contentId																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
algorithmName																							
time																							
IMO Name—IRulebaseContentFiltering																							
contentFilteringGroup																							
contentFilteringFlowAnyError																							
contentFilteringPolicy																							
contentFilteringMode																							
IMO Name—IRulebaseEGCDRFields																							
thresholdInterval																							
uplinkOctets																							
downlinkOctets																							
totalOctets																							
timeBasedMetering																							
timeBasedMeteringAlgorithm																							
inactivityTime																							
timePeriod																							
parkingMeterTimeout																							
rulebaseEGCDRTariffTimeThresholdEntries																							
IMO Name—IRulebaseEGCDRTariffTimeThresholdEntry																							
tariffName																							
tarriffTimeValue																							
IMO Name—IRulebaseFlowEndConditions																							
chargingEDR																							
reportingEDR																							
handOffEDR																							
timeoutEDR																							
normalEndSignallingEDR																							
sessionEndEDR																							
hagrEDR																							
flowOverflowEDR																							
contentFilteringEDR																							
urlBlacklistingEDR																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IRulebaseTCPProxyMode																						
contentFiltering																						
proxyMode																						
dccaEnabled																						
xheaderInsertion																						
ipReaddressing																						
nextHopReaddressing																						
IMO Name—IRulebaseTetheringDetection																						
tetheringDetection																						
osBasedDetection																						
uaBasedDetection																						
IMO Name—IRulebaseUDRFields																						
thresholdInterval																						
uplinkOctets																						
downlinkOctets																						
totalOctets																						
udrTrigger																						
IMO Name—IBandwidthPolicyContainer																						
totalBandwidthPolicyConfigured																						
bandwidthPolicy																						
IMO Name—IBandwidthPolicy																						
bandwidthPolicyName																						
totalBandwidthIDConfigured																						
totalGroupLimitConfigured																						
bandwidthPolicyFlowLimitEntries																						
bandwidthPolicyRatesAndActionsEntries																						
IMO Name—IBandwidthPolicyFlowLimitEntry																						
bandwidthID																						
groupID																						
IMO Name—IBandwidthPolicyRatesAndActionsEntry																						
peakDataRate																						
peakBurstSize																						

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
violationAction																							
committedDataRate																							
committedBurstRate																							
exceedAction																							
groupID																							
direction																							
IMO Name—IEGTPService																							
serviceName																							
restartCounter																							
messageValidationModeEnum																							
interfaceTypeEnum																							
egtpStatus																							
gtpcRetransmissionTimeout																							
gtpcMaxRequestRetransmissions																							
gtpcIpQosDSCPValue																							
gtpcEchoEnabled																							
gtpcPathFailureDetectionPolicy																							
gtpcEchoInterval																							
gtpcEchoModeEnum																							
gtpcEchoSmoothFactor																							
gtpcBindIpV4Address																							
gtpcBindIpV6Address																							
GTPC Error Response Handling																							
GTPC Path Failure Detection Policy Echo Timeout																							
PGW Restart Notification																							
Network Triggered Service Restoration																							
Default SGSN																							
Hop Counter Value																							
dBcmdWhenMBreqPending																							
gtpcSessionUniqueness																							
IMO Name—IMMIService																							
mmeStatus																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
msscPort																					Y		
plmnID																					Y		
mmecode																					Y		
mMEPolicy																					Y		
sgwPool																					Y		
serviceName																					Y		
egtpService																					Y		
hssPeerService																					Y		
sgtpcService																					Y		
sgsService																					Y		
peerMMEDNSContext																					Y		
peerSGSNDNSContext																					Y		
pgwDNSContext																					Y		
sgwDNSContext																					Y		
mmeGroupId																					Y		
msscIPAddress																					Y		
newcallPolicy																					Y		
locationReporting																					Y		
maxPDNsPerSubscriber																					Y		
maxBearerPerSubscriber																					Y		
maxPagingAttempt																					Y		
mmeManagerRecovery																					Y		
nasMaxRetransmission																					Y		
relativeCapacity																					Y		
callSetupTimeout																					Y		
ueDBPurgeTimeout																					Y		
eNodeBCacheTimeout																					Y		
mmeOffloading																					Y		
lteEmergencyProfile																					Y		
sctpParamTemplate																					Y		
subscriberMap																					Y		
globalMMEIDMgmtDB																					Y		
gtpv2PiggyBagging																					Y		
nRILengthEntries																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
mMEPGWAddressEntries																				Y		
peerMMEGUMMEIEntries																				Y		
peerMMETAIEEntries																				Y		
peerSGSNRAIEEntries																				Y		
peerSGSNRNCTableEntries																				Y		
s1Interface																				Y		
ITESecurityProcedures																				Y		
ePSMobilityManagementTimeouts																				Y		
ePSSessionManagementTimeouts																				Y		
foreignPLMNGUTIMgmtDB																				Y		
sBcService																				Y		
sBcServiceContext																				Y		
mSCDNSContext																				Y		
hOResourceReleaseTimeout																				Y		
henbGWManagementDB																				Y		
isdaGuardTimeout																				Y		
statisticsCollectionMode																				Y		
nasGmmQosMapping																				Y		
s102Context																				Y		
s102Service																				Y		
initUEforTAU_causeType																				Y		
initUEforTAU_causeValue																				Y		
IMO Name—IMMEContainer																						
mMEService																				Y		
IMO Name—INRILengthEntry																						
length																				Y		
plmnId																				Y		
IMO Name—IMMEPGWAddressEntry																						
s5s8Protocol																				Y		
ipAddress																				Y		
weight																				Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IPeerMMEGUMMEIEntry																						
ipAddress																					Y	
plmnId																					Y	
groupId																					Y	
mmeCode																					Y	
IMO Name—IPeerMMETAEntry																						
priority																					Y	
tac																					Y	
ipAddress																					Y	
plmnId																					Y	
IMO Name—IPeerSGSNRAEntry																						
gnInterface																					Y	
gpInterface																					Y	
s16Interface																					Y	
s3Interface																					Y	
ipAddress																					Y	
plmnId																					Y	
rac																					Y	
nri																					Y	
lac																					Y	
IMO Name—IPeerSGSNRNCTableEntry																						
gnInterface																					Y	
gpInterface																					Y	
s16Interface																					Y	
s3Interface																					Y	
ipAddress																					Y	
plmnId																					Y	
rnc																					Y	
IMO Name—IPESMobilityManagementTimeouts																						
implicitDetachTimeout																					Y	
mobileReachableTimeout																					Y	
t3412Timeout																					Y	
t3413Timeout																					Y	
t3422Timeout																					Y	

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
t3423Timeout																					Y		
t3450Timeout																					Y		
t3460Timeout																					Y		
t3470Timeout																					Y		
t3412ExtendedTimeout																							
t3346Timeout																							
IMO Name—IEPSSessionManagementTimeouts																							
t3485Timeout																					Y		
t3486Timeout																					Y		
t3489Timeout																							
t3495Timeout																							
t3396Timeout																							
IMO Name—ILTESecurityProcedures																							
integrityAlgorithmPriority1																							
encryptionAlgorithmPriority3																							
integrityAlgorithmPriority2																							
encryptionAlgorithmPriority2																							
encryptionAlgorithmPriority1																							
IMO Name—ISIInterface																							
primaryIPAddress																							
secondaryIPAddress																							
sctpPortNum																							
maxSubscribers																							
cryptoTemplate																							
s1InterfaceConnectedTrap																							
qosDSCP																							
IMO Name—IMMEPolicy																							
policyIdleModeDetach																							
policyInterRatTunnels																							
policyNetworkDualAddr																							
policyOverload																							
policyPDNReconnection																							
policyS1Reset																							
policySCTPDown																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
policyAttach																							
policyInterRatIgnoreSGSNContextID																							
policyTAU																							
policyInterRATSelectTopologicSGW																							
IMO Name—IPolicyAttach																							
imeiQueryType																							
denyGreyListed																							
denyUnknown																							
verifyEmergency																							
allowOnECATimeout																							
setUETime																							
eirQuery																							
IMO Name—IPolicyTAU																							
imeiQueryType																							
denyGreyListed																							
denyUnknown																							
verifyEmergency																							
allowOnECATimeout																							
setUETime																							
eirQuery																							
IMO Name—IPDSNService																							
serviceName																							
serviceStatus																							
maxSubscribers																							
regLifeTime																							
allSignallingPacketsIPHeaderDscp																							
bindAddress																							
localIPPort																							
defaultSubscriber																							
naiConstructionDomain																							
airlinkBadSequenceNumber																							
maxRetrans																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
mobileIPv6MAGService																							
aaaNASIPAddress																							
aaa3gpp2ServiceOption																							
accessNetworkRealm																							
pCFParameters																							
qoSParameters																							
policyParameters																							
mSIDParameters																							
iPSourceViolationParams																							
ppPParameters																							
registrations																							
serviceOptionEntries																							
grePDSNExtendedParams																							
timersAndRestrictions																							
airlinkBadSequenceNumberDenyCode																							
accessNetworkAccIdentifier																							
simpleIP																							
mobileIP																							
IMO Name—IMSIDParameters																							
msIdLengthMax																							
msIdLengthMin																							
msIdLengthCheck																							
msIdAuthentication																							
IMO Name—IPolicyParameters																							
unknownCVSEPolicy																							
rRQMEIFromCurrentPCF																							
newCallPolicy																							
pDSNPolicyEntries																							
IMO Name—IPDSNPolicyEntry																							
ipAddress																							
policyType																							
weight																							
zoneId																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
msId																							
IMO Name—IPDSNPCFParameters																							
pcfMonitorTimeInterval																							
pcfMonitorNumRetries																							
pcfMonitorTimeOut																							
peerPCFEntries																							
pDSNSecurityParamsEntries																							
pcfMonitorMaxInactivityTime																							
pcfSessionIdChangeRestartPPP																							
newCallConflictTerminateOlds ession																							
IMO Name—IPeerPCFEntry																							
peerPcfIPAddress																							
peerPCFBCMSFramingMode																							
IMO Name—IPDSNSecurityParamsEntry																							
spiNumber																							
remoteAddress																							
hashAlgorithm																							
timeStampTolerance																							
replayProtection																							
description																							
zoneId																							
IMO Name—IPPPParameters																							
tunnelContextName																							
tunnelType																							
fragmentState																							
pppAuthentication																							
allowNoAuthentication																							
altPPP																							
IMO Name—IQoSParameters																							
qoSPolicyMismatch																							
qosWaitTimeOut																							
qosWaitTimeOutAction																							
qosAssociate																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
qoSProfileEntries																							
qoSWait																							
IMO Name—IQoSProfileEntry																							
id																							
latency																							
dropRate																							
qoSClass																							
description																							
upLinkBandwidth																							
downLinkBandwidth																							
IMO Name—IRegistrations																							
regDenyHandOffClosedRp																							
regDenyMaxDenyReplyLimit																							
regDenyUseZeroGREKey																							
regDiscardBadExtension																							
regDiscardGreKeyChange																							
regAcceptSessionDisconnectIn Progress																							
regAckDenyTerminateSession OnError																							
regDenyHandOffConnectionSe tupRecordAbsent																							
regDenyMismatchedCOAAddr ess																							
regDenyNewCallConnectionSe tupRecordAbsent																							
regDenySessionAlreadyActive																							
regDenySessionAlreadyClosed																							
regDenySessionAlreadyDorma nt																							
regDenyTerminateSessionOnEr ror																							
regDiscardHandOffConnSetup RecordAbsent																							
registrationUpdateWaitTimeout																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
registrationUpdatePDSNCodeNvse																							
regDenyHandOffConnectionSetupRecordAbsentDenyCode																							
regnDenyNewCallConnectionSetupRecordAbsentDenyCode																							
regDenyNewCallConnectionReverseTunnelUnavailable																							
IMO Name—IServiceOptionEntry																							
serviceOptionNumber																							
IMO Name—ITimersAndRestrictions																							
interPdsnHandOff																							
dataAvailableIndicator																							
pmaCapabilityIndicator																							
rohcIPHeader																							
alwaysOnIndication																							
dataOverSignalling																							
directLTEIndicator																							
setUpTimeOut																							
retransTimeOut																							
dormantTransition																							
pdsnType0Tft																							
tftValidationTimeOut																							
sdbIndicationForEchoReq																							
interPdsnHandoverUseCANIDPANID																							
accessFlowTrafficValidation																							
accessFlowTrafficViolations																							
accessFlowTrafficViolationsInterval																							
cidMode																							
maxCid																							
maxReceivedReconstructedUnit																							
profileID																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
IMO Name—IGrePDSNExtendedParams																							
checksumVerify																							
reorderTimeOut																							
sequenceMode																							
sequenceNumbers																							
checksum																							
flowControl																							
flowControlTimeOut																							
flowControlAction																							
protocolType																							
is3GPPExtHeaderQosMarking																							
ipHeaderDscpValue																							
greSegmentation																							
ipHeaderDscpValuePacketType																							
mtu																							
IMO Name—IIPSourceViolationParams																							
period																							
dropLimit																							
clearOnValidPacket																							
renegLimit																							
IMO Name—ISecurityParameterIndexList																							
spiListName																							
spiListType																							
fASPIEntries																							
securityParametersIndexTable																							
IMO Name—IHSGWService																							
serviceName																							
serviceStatus																							
maxSubscribers																							
regLifeTime																							
allSignallingPacketsIPHeaderDscp																							
fqdn																							
bindAddress																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
localIPPort																					Y		
defaultSubscriber																					Y		
magService																					Y		
accountingPolicy																					Y		
qciQoSMapping																					Y		
profileQciMapping																					Y		
dnsPGWContext																					Y		
contextRetentionTimeout																					Y		
maxRetransmission																					Y		
networkInitiatedQos																					Y		
setupTimeout																					Y		
hSGWA10A11Properties																					Y		
hSGWIPSrcViolation																					Y		
pLMNEntries																					Y		
greHSGWExtendedParams																					Y		
unauthFlowsQosUpdateWaitTimeout																					Y		
hSGWSecurityParameterIndexTable																					Y		
IMO Name—IHSGWIPSrcViolation																							
period																					Y		
dropLimit																					Y		
renotiationLimit																					Y		
clearOnValidPDU																					Y		
IMO Name—IHSGWA10A11Properties																							
fragment																					Y		
newCallPolicy																					Y		
airlinkBadSequenceNumber																					Y		
overloadPolicy																					Y		
dataOverSignaling																					Y		
handoffWithNoConnSetup																					Y		
rsvpRetransTimeout																					Y		
rsvpMaxRetransCount																					Y		
airlinkBadSequenceNumberDenyCode																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
dataAvailableIndicatorEnabled																				Y			
handoffWithNoConnSetupDenyCode																				Y			
minMSIDLength																				Y			
maxMSIDLength																				Y			
IMO Name—IGreHSGWExtendedParams																							
checksumVerify																				Y			
reorderTimeOut																				Y			
sequenceMode																				Y			
sequenceNumbers																				Y			
checksum																				Y			
flowControl																				Y			
flowControlTimeOut																				Y			
flowControlAction																				Y			
protocolType																				Y			
is3GPPExtHeaderQosMarking																				Y			
ipHeaderDscpValue																				Y			
greSegmentation																				Y			
ipHeaderDscpValuePacketType																				Y			
mtu																				Y			
IMO Name—IPolicyEntry																							
ipAddress																				Y			
policyType																				Y			
weight																				Y			
IMO Name—IHSGWSecurityParameterIndexTable																							
spiNumber																				Y			
remoteAddress																				Y			
hashAlgorithm																				Y			
timeStampTolerance																				Y			
replayProtection																				Y			
description																				Y			
zoneId																				Y			
IMO Name—IMAGService																							
serviceName																				Y			

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
serviceStatus																					Y		
maxSubscribers																					Y		
regLifeTime																					Y		
allSignallingPacketsIPHeaderDscp																					Y		
bindAddress																					Y		
newCallPolicy																					Y		
pmipv6TunnelEncapsulationinformationSet																					Y		
pmipMaxRetransmissions																					Y		
mobilityOptionType																					Y		
pmipRenewPercentTime																					Y		
pmipRetransPolicy																					Y		
pmipReTransTimeOut																					Y		
Local IPv4 Address																							
Local IP Port																							
PBU Option																							
Mobility Header Checksum Type																							
Heartbeat Support																							
Heartbeat Interval																							
Heartbeat Retransmission Timeout																							
Heartbeat Max Retransmissions																							
IMO Name—IProfileQciMappingEntry																							
profileId																							
qciId																							
upLinkGBR																							
upLinkMBR																							
downLinkGBR																							
downLinkMBR																							
priorityLevel																							
preemptionCapability																							
IMO Name—IProfileQciMapping																							
profileName																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
profileQciMappingEntries																							
IMO Name—IFAService																							
serviceName																							
serviceStatus																							
maxSubscribers																							
regLifeTime																							
allSignallingPacketsIPHeaderDscp																							
bindAddress																							
localIPPort																							
defaultSubscriber																							
newCallPolicy																							
challengeWindow																							
dynamicMipKeyUpdate																							
ignoreStaleChallenge																							
ignoreMipKeyData																							
regTimeOut																							
idleTimeOutMode																							
reverseTunnel																							
limitRegTime																							
maxChallengeLen																							
regReplyErrorThreshold																							
optimizeTunnelReassembly																							
mnAAARemovalIndication																							
advertisementParams																							
proxyMIPParams																							
fAAAuthentication																							
fARegistrationRevocation																							
gREFAExtendedParameters																							
hAConfigAttribute																							
allowPrivateAddressRevTunnel																							
IMO Name—IHACConfigAttribute																							
fASPIEntries																							
aAAHAOverride																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
dynamicHAFailOver																							
fASPIListName																							
hAMonitorInterval																							
hAMonitorNumRetry																							
hAMonitoring																							
fAIKEEntries																							
hAMonitorMaxInactivityTime																							
IMO Name—IFAAAuthentication																							
mnAAAOptimizedRetries																							
mnAAAAuthenticationPolicy																							
maHAAAuthenticatioPolicy																							
aaaDistributedMIPKeysOverride																							
IMO Name—IAdvertisementParams																							
advertisementDelay																							
advertisementInterval																							
advertisementLifeTime																							
numberAdvertisementSent																							
registrationLifeTime																							
prefixLengthExtension																							
IMO Name—IPProxyMIPParams																							
renewPercentTime																							
isProxyMIPEnabled																							
encapsulationType																							
haFailoverMaxAttempts																							
haFailOverTimeout																							
reTransmissionTimeout																							
haFailOver																							
haFailoverNumberAttemptsBeforeSwitching																							
haFailOverReplyCodeTrigger																							
IMO Name—IFARegistrationRevocation																							
revocationIBit																							
revocationMaxRetries																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
revocationTimeout																							
internalFailure																							
registrationRevocationState																							
IMO Name—IGREFAExtendedParameters																							
checksumVerify																							
reorderTimeOut																							
sequenceMode																							
sequenceNumbers																							
checksum																							
greEncapsulation																							
IMO Name—IFAIKEEntry																							
peerHAddress																							
cryptoMapName																							
IMO Name—IFASPIEntry																							
spiNumber																							
remoteAddress																							
hashAlgorithm																							
timeStampTolerance																							
replayProtection																							
description																							
hAMonitor																							
IMO Name—IEPDGService																							
fqdn																							
ipAddress																							
udpPort																							
magService																							
setupTimeout																							
serviceName																							
epdgStatus																							
cryptoTemplate																							
maxSessions																							
magServiceContext																							
dnsPGWClinetContext																							
dnsPGWSelection																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
newcallPolicy																							
pgwSelectionAgentInfoErrorAction																							
userNameMACAddressStripping																							
userNameMACAddressValidation																							
plmnId																							
userNameMACAddressValidationFailureAction																							
IMO Name—IHAService																							
serviceName																							
serviceStatus																							
bindAddress																							
localIPPort																							
maxSubscribers																							
defaultSubscriber																							
allSignallingPacketsIPHeaderDscp																							
regLifeTime																							
MIP NAT Traversal																							
Force UDP Tunnel																							
Simultaneous Bindings																							
Destination Context																							
Ip Pool																							
qci-qos-mapping																							
SPI List																							
IMO Name—IHAPolicy																							
bcResponseCode																							
nwReachabilityPolicy																							
overLoadPolicy																							
newCallPolicy																							
nullUsernamePolicy																							
IMO Name—IMNHASecurityParametersIndexTable																							
spiNumber																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
remoteAddress																							
hashAlgorithm																							
timeStampTolerance																							
replayProtection																							
description																							
permitAnyHashAlgorithm																							
IMO Name—IFAHASecurityParametersIndexTable																							
spiNumber																							
remoteAddress																							
hashAlgorithm																							
timeStampTolerance																							
replayProtection																							
description																							
IMO Name—IHAIPSecCryptoMapsEntry																							
mapName																							
remoteAddress																							
sKeyExpiry																							
IMO Name—IHAAAProperties																							
aaaAccounting																							
aaaAccountingGroup																							
aaaDistributedMipKeys																							
dmuRefreshKey																							
imsiAuthentication																							
mnHAAAuthenticationType																							
mnAAAAuthenticationType																							
pmipAuthentication																							
staleKeyDisconnect																							
aaaContext																							
accountingIdentifier																							
skewLifetime																							
IMO Name—IGreCommonParams																							
checksumVerify																							
reorderTimeOut																							
sequenceMode																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
sequenceNumbers																							
checksum																							
IMO Name—IRegistrationRevocation																							
revocationIBit																							
revocationMaxRetries																							
revocationTimeout																							
internalFailure																							
registrationRevocationState																							
Send NAI Extension																							
Handoff old-FA																							
Idle-Timeout																							
IMO Name—IHAPolicyOverloadEntry																							
ipAddress																							
weight																							
IMO Name—IHAPolicyNWReachabilityEntry																							
ipAddress																							
weight																							
IMO Name—ISecurityParametersIndexList																							
spiListName																							
listType																							
IMO Name—ISecurityParametersIndexTable																							
spiNumber																							
remoteAddress																							
hashAlgorithm																							
timeStampTolerance																							
replayProtection																							
description																							
IMO Name—ICryptoTemplate																							
templateName																							
ca_certificateList																							
ca_crlList																							
certificateName																							
controlDontFragmentEnum																							
dNS_handlingEnum																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
authentication_local																							
authentication_remote																							
keepalive_intravel																							
keepalive_retries																							
keepalive_timeout																							
maxchildsa_count																							
maxchildsa_OverloadAction																							
nai_UseReceivedIDr																							
nai_customIDr																							
nai_customIDr_Type																							
natt_includeHeader																							
natt_sendKeepalive																							
cryptoTemplatePayloads																							
cryptoTemplateIKESAs																							
cookieChallenge_detectDOSatt ack																							
notifyPayload_HalfOpenSessC ount_start																							
notifyPayload_HalfOpenSessC ount_end																							
natt_sendKeepalive_idleInterva l																							
natt_sendKeepalive_interval																							
cryptoTemplatePeerNetworkEn tries																							
IMO Name—ICryptoTemplateIKESA																							
rekey																							
cert_Sign																							
policyCongestionRejection_No tifyStatusValue																							
ikesaInstance																							
allowEmpty_ikesa																							
ignoreNotifyProtocolID																							
ignoreRekeyingRequests																							
keepaliveUserActivity																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
maxRetransmission																							
policyErrorNotification																							
retransmissionTimeout																							
setupTimer																							
cryptoTemplateTransformsetEntries																							
IMO Name—ICryptoTemplatePayload																							
lifetime																							
rekey																							
ignoreRekeyingRequests																							
payloadInstance																							
payloadName																							
ipAddressAllocation																							
lifetime_kb																							
maximumChildSA																							
rekey_keepalive																							
tsi_startAddress																							
tsi_endAddress																							
tsr_startAddress																							
tsr_endAddress																							
cryptoTemplateTransformsetEntries																							
IMO Name—ICryptoTemplatePeerNetworkEntry																							
peer_networkIP																							
peer_networkMask																							
peer_preSharedKey																							
peer_encrypted_preSharedKey																							
IMO Name—ICryptoTemplateTransformsetEntry																							
transformsetName																							
entityAssociation																							
IMO Name—IEAPPProfile																							
name																							
mode																							
authenticationMethod																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900
IMO Name—IKEv2IPSecTransformSet																						
name																						
mode																						
dhGroup																						
hmac																						
cipher																						
eSN																						
IMO Name—IKEv2TransformSet																						
name																						
dhGroup																						
lifetime																						
prf																						
hmac																						
cipher																						
esn																						
IMO Name—ILACService																						
serviceName																					Y	
serviceStatus																					Y	
localIPAddress																					Y	
maxSessions																					Y	
maxTunnels																					Y	
maxSessionsPerTunnel																					Y	
maxRetransmissions																					Y	
keepAliveInterval																					Y	
controlReceiveWindow																					Y	
maxTunnelChallengeLength																					Y	
maxRetransmissionTimeout																					Y	
loadBalancingEnum																					Y	
tunnelSelectionKey																					Y	
newCallPolicy																					Y	
dataSequanceNumbers																					Y	
tunnelAuthentication																					Y	
proxyLCPAAuthentication																					Y	
attributeHiding																					Y	

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
framedIPAddressSnoop																					Y		
allowAAAAssignedHostName																					Y		
allowAPNInCalledNumber																					Y		
singleUDPPortMode																					Y		
peerLNSAddressEntries																					Y		
firstRetransmissionTimeout																					Y		
IMO Name—IPeerLNSAddressEntry																							
cryptoMap																					Y		
peerLNSAddress																					Y		
preferance																					Y		
description																					Y		
IMO Name—ILMAService																							
serviceName																					Y		
serviceStatus																					Y		
newCallPolicy																					Y		
localIPV4Address																					Y		
localIPPort																					Y		
localIPV6Address																					Y		
maxSubscribers																					Y		
defaultSubscriberName																					Y		
mobilityOptionTypeValue																					Y		
refreshAdviceOption																					Y		
refreshIntervalPercent																					Y		
setupTimeout																					Y		
registrationLifeTime																					Y		
bindRevocation																					Y		
standAloneMode																					Y		
timeStampOptionValidation																					Y		
aaaAccounting																					Y		
bindRevocationMaxRetransmission																					Y		
bindRevocationRetransmissionTimeout																					Y		
signalingPacketIPHeaderDSCP																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
simultaneousCoAAddressesBinding																				Y			
timeStampReplyProtectionTolerance																				Y			
sequenceNumberValidationForReceivedMIPv6Packet																			Y				
Heartbeat Support																							
Heartbeat Interval																							
Heartbeat Retransmission Timeout																							
Heartbeat Max Retransmissions																							
Alternate CoA																							
IMO Name—ISGSNService																							
serviceName																				Y			
sgsnStatus																				Y			
sgsnNumber																				Y			
accountingContext																				Y			
coreNetworkId																				Y			
associatedEgtpService																				Y			
associatedSgtpService																				Y			
associatedMapService																				Y			
associatedHssService																				Y			
associatedIupsService																				Y			
associatedGsService																				Y			
associatedCamelService																				Y			
maxPdpContexts																				Y			
offloadT3312Timeout																				Y			
overriddenLACforLI																				Y			
overriddenRACforLI																				Y			
dnsIsrauMccMncEncoding																				Y			
accountingCdrTypes																				Y			
clearSubscriptionData																				Y			
detachTypeIE																				Y			
gfTimeoutAction																				Y			
gfFailureAction																				Y			

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
reportingActionEventRecord																							
networkGlobalMMEIDMgmtDB																							
taiManagementDB																							
IMO Name—ISGSNGPRSMobilityManagement																							
maxAuthRetries																					Y		
maxIdentityRetries																					Y		
maxPageRetries																					Y		
maxPTMSIReLocRetries																					Y		
performIdentityAfterAuth																					Y		
trauTimeout																					Y		
t3302Timeout																					Y		
t3312Timeout																					Y		
t3313Timeout																					Y		
t3322Timeout																					Y		
t3350Timeout																					Y		
t3360Timeout																					Y		
t3370Timeout																					Y		
mobilReachableTimeout																					Y		
implicitDetachTimeout																					Y		
purgeTimeout																					Y		
t3312ExtendedTimeoutValue																							
t3312ExtendedTimeoutWhenSubscribed																							
t3312ExtendedTimeoutForLAP I																							
gMMDownlinkDataLockoutTimer																							
t3346TimerMinimumValue																							
t3346TimerMaximumValue																							
Page Delta Timeout																							
IMO Name—ISGSNNRIProperties																							
nriLength																					Y		
nriNullValue																					Y		
nriNonBroadcastMCC																					Y		

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
nriNonBroadcastMNC																				Y			
nriNonBroadcastLAC																				Y			
nriNonBroadcastRAC																				Y			
targetNRIValueCount																				Y			
IMO Name—ISGSNNRIValuesEntry																							
nriValue																				Y			
connecting																				Y			
activating																				Y			
IMO Name—ISGSNSessionManagmentProperties																							
maxActivateRetries																				Y			
maxModifyRetries																				Y			
maxDeactivateRetries																				Y			
t3385Timeout																				Y			
t3386Timeout																				Y			
t3395Timeout																				Y			
guardTimeout																				Y			
t3396TimerMinimumValue																				Y			
t3396TimerMaximumValue																				Y			
t3396TimerCauseCode																				Y			
ignoreASIReceivedFromPeerS GSNDuringRAU																				Y			
restrictBitrateWhenUE3GPPCo mplianceUnknown																				Y			
ARP RP Profile																				Y			
IMO Name—ISCTPTemplate																							
sctpTemplateName																				Y			
rtoAlpha																				Y			
rtoBeta																				Y			
checkSum																				Y			
cookieLifetime																				Y			
maxAssocRetranmission																				Y			
maxIncomingStreams																				Y			
maxInitRetranmission																				Y			
maxMTUSize																				Y			

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
minMTUSize																					Y		
startMaxMTU																					Y		
maxOutgoingStreams																					Y		
maxRetransmissionPath																					Y		
rtoInitial																					Y		
rtoMax																					Y		
rtoMin																					Y		
sackFrequency																					Y		
sackPeriod																					Y		
heartBeatStatus																					Y		
heartBeatTimer																					Y		
bundleStatus																					Y		
bundleTimeout																					Y		
alternateAcceptFlag																					Y		
IMO Name—IGGSNServiceExtendedProperties																							
associatedIPNESvc																							
associatedPeerMap																							
s6bIPv6Reporting																							
iPAdLocalIPv6Address																							
maxPrimarySessions																							
maxSecPerPrimarySessions																							
unlistedSGSNRatType																							
messageRate																							
delayTolerance																							
queueSize																							
sGSNMCCMNCPreference																							
IMO Name—IGGSNGTPCServicePH																							
gTPCEchoMode																							
gTPCEchoRetransmissionTime out																							
gTPCSmoothFactor																							
gTPCIncomingThrottlingParams																							
gTPCOutgoingThrottling																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
gTPCBitRateinRoundedDown																							
supportE_ARP																							
suppressNRUPCTriggeredByCPC																							
suppressNRUPCTriggeredByUPC																							
mapMBRtoAMBRinUpdatePDPrequest																							
decodeMCCMNCPParameterOfULIAsHexadecimalDigits																							
nSAPIInCreatePDPResponse																							
ranProcedureReadydelayTimeout																							
IMO Name—IGTPCAllowOnCongestionTableEntry																							
gTPCPrioritizedParameter																							
gTPCPrioritizedParameterValue																							
IMO Name—ISGWServiceExtendedProperties																							
accountingStopTrigger																							
peerMap																							
accessPeerMap																							
pageUEForPGWInitiatedProc																							
tempFailureHandling																							
pgwCtrlFteid																							
egtpNtsr																							
sessionHoldTimer																							
timeout																							
Idle Timeout																							
Idle Timeout Micro Checkpoint Periodicity																							
GTPC Load Control Profile																							
GTPC Overload Control Profile																							
IMO Name—ISGWServiceDDNPH																							
ddnThrottling																							
ddnFailurePktDropTime																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
ddnSuccessNoUserConnectRetr yTimer																							
ddnIsrSequentialPagingDelayTi me																							
ddnThrottleArpWatermark																							
ddnThrottleRateLimit																							
ddnThrottleFactor																							
ddnThrottleIncrementFactor																							
ddnThrottleTimeFactor																							
ddnThrottleTimeSec																							
ddnThrottleStabTimeSec																							
ddnThrottlePollInterval																							
ddnThrottleStabTimeMin																							
ddnThrottleStabTimeHour																							
ddnThrottleTimeMin																							
ddnThrottleTimeHour																							
IMO Name—IPGWExtendedPropertiesEGTP																							
egtpOverchargingProtection																							
dropPolicy																							
egtpSgwRestorationHandling																							
sessionHoldTimer																							
timeOut																							
egtpModifyBearerCmdNegotiat eQos																							
egtpBitRateinRoundedDownKb ps																							
GnGp Modify bearer res with APN-AMBR																							
IMO Name—IPGWExtendedProperties																							
ipneService																							
peerMap																							
qosNegotiationProfileRel8																							
gtpcOutgoingThrottling																							
gtpcIncomingThrottlingParams																							
messageRate																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
delayTolerance																							
queueSize																							
rlfTempelateName																							
Setup Timeout																							
GTPC Load Control Profile																							
GTPC Overload Control Profile																							
PCSCF Restoration Solution																							
Throttling Override																							
Throttling Override Policy																							
Message TimeStamp Drift																							
IMO Name—IAPNRemapDefaultAPNEntry																							
defaultAPNName																						Y	
requireSubscription																						Y	
useDefaultAPNWhenNoAPNis Requested																						Y	
useDefaultAPNWhenDNSQueryFails																						Y	
fallbackAPNtoUse																						Y	
fallbackAPNinFirstSubscription																						Y	
useAPNfromSingleSubscriptionRecord																						Y	
IMO Name—IMMELocalCauseCode																							
aPNMismatch																							
vLRDown																							
vLRUnreachabe																							
authFailure																							
IMO Name—IHSGWServiceExtendedProperties																							
retransmissionTimeout																							
accessFlowTrafficValidation																							
qosUpdatePolicyMismatch																							
qosUpdateWaitTimeout																							
unknownCVSEPolicy																							
uEInitiatedQos																							
pCFMonitorConfig																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
contextRetentionTimer																							
dNSPGWSelection																							
regDiscardOnBadExtension																							
regUpdateWaitTimeout																							
regAckDenyTerminateSession																							
regDiscardOnGREKeyChange																							
IMO Name—IHSGWROHCProperties																							
rOHCIPHeaderCompression																							
cidMode																							
maxCid																							
maxReceivedReconstructedUnit																							
profileID																							
IMO Name—IEPDGServiceExtendedProperties																							
eGTPService																							
pGWSelectionMechanism																							
qCIQoSsMapping																							
mACAddressDelimiter																							
subscriberMap																							
iPFragmentChainTimeout																							
maxOutOfOrderFragment																							
bind																							
Custom SWm SWu Error Mapping																							
dataBuffering																							
pdnType																							
gtpcLoadControlProfile																							
gtpcOverloadControlProfile																							
IMO Name—IEPDGServiceS2bInterface																							
vendorSpecificDNSServerReq																							
vendorSpecificPCSCFFServerReq																							
duplicatePrecedenceInTFT																							

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
IMO Name—IHServiceExtendedProperties																							
privateAddressWithoutReverseTunnel																							
perDomainStatCollection																							
iPNEService																							
maxSessions																							
bind																							
IMO Name—ISGSNServiceExtendedProperties																							
taiManagementDatabase																							
verChargeProtection																							
rNCQoSNegotiationFromS4toSGSN																							
informToPGWIfQoSNegotiated																							
LCS Service																							
overChargeProtection																							
IMO Name—IWSGServiceExtendedProperties																							
peerList																							
initiatorModeDuration																							
responderModeDuration																							
duplicateSessionDetection																							
IMO Name—ITrafficExchange																							
esn																							
IMO Name—ISecurityGatewayConnectedApps																							
caCertName																							
IMO Name—IPmipv6LmaService																							
AaaAccounting																							Y
BceLifeTime																							Y
BceMaximum																							Y
BceRefreshTime																							Y
BriInitDelayTime																							Y
BriMaxDelayTime																							Y
BriRetries																							Y

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
DomainName																		Y					
DynamicMagLearning																		Y					
HeartBeat																		Y					
LmaIdentifier																		Y					
MaxCustomerPrefixes																		Y					
MaxIpv4CustomerPrefixes																		Y					
MaxIpv4LmnPrefixes																		Y					
MaxIpv6CustomerPrefixes																		Y					
MaxIpv6LmnPrefixes																		Y					
MaxLmnPrefixes																		Y					
RefreshRetInitTime																		Y					
RefreshRetMaxTime																		Y					
Retries																		Y					
TimeStampOptions																		Y					
Timeout																		Y					
TimerInterval																		Y					
ValidityWindow																		Y					
IMO Name—IPmIpv6LmaPeerEntry																							
AuthOption																		Y					
EncapType																		Y					
MagIdentifier																		Y					
IMO Name—IPmIpv6LmaNetworkEntry																		Y					
Ipv4PoolPrefix																		Y					
Ipv6PoolPrefix																		Y					
NetworkIdentifier																		Y					
NoOfMobileNwksPools																		Y					
IMO Name—IPmipv6LmaBindingsEntry																							
Coa																		Y					
Hnp																		Y					
Hoa																		Y					
Id																		Y					
Ipv4MobileNetworkPrefixes																		Y					

Table 11-198 Mobile Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	ASR 5000	MWR 2941	ISR1900	
Ipv6MobileNetworkPrefixes																		Y					
LifeTime																		Y					
Llid																		Y					
Nai																		Y					
Prefix																		Y					
State																		Y					
Tunnel																		Y					
IMO Name—IPmIpv6LmaPeerHeartbeatEntry																							
Peer																							
Retries																							
TimeInterval																							
Timeout																							
Vrf																							
IMO Name—IPmIpv6LmaHeartbeatPathEntry																							
DestinationAddress																							
DestinationPort																			Y				
SourceAddress																			Y				
SourcePort																			Y				
State																			Y				
Vrf																			Y				

Satellite

Table 11-199 Satellite Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—SatelliteICL																						
ProtocolName																		Y				

Table 11-199 Satellite Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—SatelliteICLEntry																					
ProtocolName																		Y			
HostInterface																		Y			
SatelliteICInterface																		Y			
SatelliteId																		Y			
SatellitePortRange																		Y			
SatelliteStatus																		Y			
IMO Name—ISatellite																					
SatelliteId																					
Satellite Type																					
Description																					
IpAddress																					
MacAddress																					
Control Status																					
Vrf																					
Associated Chassis																					
IMO Name—ISatelliteContainer																					
Satellite Discovery protocol																					
IMO Name—ISatelliteConnectionEntry																					
InterfaceName																					
Associated Entity																					
Connection Status																					
Connecting Entity																					
Connecting Interface																					
Host Connected Interface																					
IMO Name—ISatelliteFabrikLinkEntry																					
Host Interface Name																					
Associated Host Interface Name																					
Discovery Status																					
Configuring Remote Ports																					
Invalid Remote Ports																					

PWHEInterface

Table 11-200 PWHEInterface Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IPWHEInterface																						
Mtu																		Y				
Bandwidth																		Y				
MacAddress																		Y				
Label																		Y				
L2Overhead																		Y				
Pseudowire																		Y				
IpInterface																		Y				

ClusterIRL

Table 11-201 ClusterIRL Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IClusterIRL																						
ProtocolName																		Y				
ConnectedInterfaces																		Y				
IMO Name—HICLEntry																						
AEndPoint																		Y				
ZEndPoint																		Y				

RLFA

Table 11-202 RLFA Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IRLFAGlobalProperties																					
Broadcast interface disjoint																					
Downstream																					
Interface disjoint																					
IntfDisjoint																					
Linecard disjoint																					
Lowest metric																					
Node protecting																					
Secondary path																					
SRLG																					
Load sharing																					
Primary path																					
IMO Name—IRLFATunnelEntry																					
Tunnel Name																					
Outgoing Interface																					
Next Hop																					
End Point																					
Protected Interface																					
Protected Interface IP Address																					

HNB

Table 11-203 HNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900
IMO Name—IHNBSERVICE																					
serviceName																					
gtpuService																					
cbsService																					

Table 11-203 HNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
ipneService																						
rtpMux																						
rtpMuxPort																						
rtpPool																						
rtcReportInterval																						
hnbAccessModeMismatchHandling																						
openHNBSupport																						
hybridHNBSupport																						
serviceStatus																						
newCallPolicy																						
hnbIDLeadingCharacterDiscard																						
IMO Name—IHNBRadioNetworkPLMNTableEntry																						
plmnNetId																						
rnid																						
IMO Name—IHNBUserEquipmentConnectionDetails																						
ueRegistrationTimeout																						
csDomainHandoverState																						
psDomainHandoverState																						
maxUEsAllowedPerOpenHnb																						
maxUEsAllowedPerHybridHnb																						
maxUEs																						
maxNonAccessControlledUEs																						
Maximum UEs (Closed)																						
Maximum UEs (Hybrid)																						
IMO Name—IHNBSecurityConfigurationDetails																						
securityGatewayAddress																						
securityGatewayContext																						
cryptoTemplate																						
serviceInIPsec																						
IMO Name—IHNBGWPagingConfiguration																						
imsiPurgeTimerValue																						
handleUnknownIMSIsDomain																						
handleUnknownIMSIsDomain																						

Table 11-203 HNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
pagingMsgToLastKnownHNBTi																						
meoutcsDomain																						
pagingMsgToLastKnownHNBTi																						
meoutpsDomain																						
fanoutPagingTimeoutcsDomain																						
fanoutPagingTimeoutpsDomain																						
pagingGridFanoutTimeoutPS																						
pagingAreaFanoutTimeoutPS																						
pagingGridFanoutTimeoutCS																						
pagingAreaFanoutTimeoutCS																						
IMO Name—IHNBluhQosDSCPMappingEntries																						
sctpAny																						
IMO Name—IHNBQoSdSCPMappingEntries																						
protocol																						
gtpu																						
rtp																						
rtcp																						
any																						
IMO Name—IHNBGWSctpConfiguration																						
bindingAddress																						
portNumber																						
checksum																						
connectionTimeout																						
cookieLifetime																						
heartBeatTimer																						
maxMTUSize																						
minMTUSize																						
startMaxMTU																						
rTOInitial																						
rTOMax																						
rTOMin																						
sackFrequency																						
sackPeriod																						

Table 11-203 HNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR3900
IMO Name—IHNBGWGlobalContainer																						
tnsfTimer																						
imsiPurgeTimeout																						
alphaRTO																						
betaRTO																						
maxIncomingStreams																						
maxOutgoingStreams																						
maxRetxAssoc																						
maxRetxInit																						
maxRetxPath																						
iuConnIDCheck																						
csgMemberCheck	Y																					
iucsHnbSessionCollection	Y																					
iupsHnbSessionCollection	Y																					
hnbgwDevAsserts	Y																					
additionalEmergencyUePerHnb	Y																					
IMO Name—IHNServiceExtendedPropertiesIrd																						
iurhBasedFemtoHandoff																						
iurhHandoffguardTimer																						
overrideVsaForLocationBasedService																						
Config Transfer Inner IP Response																						
Available Common Radio Network PLMN MCC																						
Available Common Radio Network PLMN MNC																						
Available Common Radio Network PLMN RNC ID																						
Available Common Radio Network Macro Coverage IE Absent Action																						
Closed HNB support																						
IMO Name—IHNBAvailableRadioPLMN																						
MCC																						
MNC																						

Table 11-203 HNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
Macro Coverage IE Absent Action																						
RNC-ID																						
IMO Name—IHNBMacroLAIEntry																						
MCC																						
MNC																						
LAC Start Range																						
LAC End Range																						

HeNB

Table 11-204 HeNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	
IMO Name—IHeNBGWNetworkService																						
serviceName																						
serviceState																						
IMO Name—IHeNBGWAccessService																						
serviceName																						
serviceState																						
sctpIPAddress																						
sctpPort																						
mMEGroup																						
mMECode																						
plmnID																						
s1uRelayState																						
IMO Name—IHeNBGWAccessS1URelayService																						
gtpuAccessService																						
gtpuNetworkService																						
downlinkDSCPQOS																						
uplinkDSCPQOS																						

Table 11-204 HeNB Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	XR 12000	ASR 9000	ASR 1000	MWR 2941	ISR1900	ISR4451	
IMO Name—IHeNBGWeNodeBEntry																							
plmnNetID																							
EnodeB																							
sCTPIPAAddress																							
sCTPPort																							
tAIListDB																							
mMEPoolName																							
IMO Name—IHeNBAccessServiceExtendedProperties																							
securityGWContext																							
securityGWServiceAddress																							
cryptoTemplate																							
serviceInIPSec																							
sctpParamTemplateAssociation																							
X2GW Service																							
X2GW Context																							
IMO Name—IHeNBGWNetworkServiceExtendedProperties																							
anrInfoRetrieval																							
publicWarningSystem																							
defaultPagingDRX																							
pagingRateControl																							
sIapMaxRetransmissions																							
sIapRetransmissionTimeout																							
sctpParamTemplate																							
PWS Warning Request Timeout																							
PWS Kill Request Timeout																							
PWS Restart Indication Timeout																							
IMO Name—IHeNBGWeNodeBExtendedPropertiesTableEntry																							
sctpPrimaryIPAddress																							
eNodeBType																							
s1MMEQoS DSCP																							
sctpSecondaryIPAddress																							

IuPS

Table 11-205 IuPS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	ASR 9000	ASR 5000	XR 12000	ASR 1000	MWR 2941
IMO Name—IuPSService																					
name																		Y			
serviceStatus																		Y			
plmnID																		Y			
sccpNetworkId	Y																Y				
dscpTemplate	Y																Y				
iuConnectionHold	Y																Y				
iuConnectionHoldTimer	Y																Y				
iuReleaseCompleteTimer	Y																Y				
securityModeCompleteTimer	Y																Y				
followOnForServiceRequest	Y																Y				
sgsnInitiatedReset	Y																Y				
resetAckTimer	Y																Y				
resetMaximumRetransmission	Y																Y				
resetGuardTimer	Y																Y				
tinTcTimer	Y																Y				
tigOcTimer	Y																Y				
rabAssigResponseTimer	Y																Y				
srnsCtxResponseTimer	Y																Y				
relocationCompleteTimer	Y																Y				
relocationAllocTimer	Y																Y				
consecutiveSecFailLocalMsg	Y																Y				
consecutiveSecFailNonLocalMsg	Y																Y				
consecutiveSecFailLocalMsgCount	Y																Y				
consecutiveSecFailNonLocalMsgCount	Y																Y				
forcingAuthSecFailInterSgsnRau	Y																Y				
mbmsBroadCastMode	Y																Y				
mbmsMulticastMode	Y																Y				
raiValidationAttach	Y																Y				

Table 11-205 IuPS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	ASR 9000	ASR 5000	XR 12000	ASR 1000	MWR 2941
lossOfRadioCoverageDetectionInRelease	Y																Y				
emptyCrProcedure	Y																Y				
sourceRncAsTargetRnc	Y																Y				
networkSharing	Y																Y				
networkSharingFailureCode	Y																Y				
checkCsPSCoordination	Y																Y				
nonSharedSupport	Y																Y				
IMO Name—IIRadioNetworkController																					
rncIdentifier																		Y			
rncServiceStatus																		Y			
pLMNID																		Y			
IMO Name—IILocationAndRoutingAreaCodesEntry																					
lAC																	Y				
rACs																	Y				
IMO Name—IIGTPUHeader																					
gtpuBindAddress	Y																Y				
gtpuEcho	Y																Y				
gtpuEchoInterval	Y																Y				
gtpuMaxRetries	Y																Y				
gtpuRetransmissionTimeout	Y																Y				
gtpuSyncEcho	Y																Y				
gtpuAddrBlacklisting	Y																Y				
gtpuAddrBlacklistTimer	Y																Y				
IMO Name—IHuPSRNCCharacteristics																					
state	Y																Y				
mcc	Y																Y				
mnc	Y																Y				
ss7PointCode	Y																Y				
rncDescription	Y																Y				
nonSearchIndIeInPaging	Y																Y				
directTunnel	Y																Y				
rabModifyProcedure	Y																Y				
pdpTypeInfo	Y																Y				

Table 11-205 IuPS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	ASR 9000	ASR 5000	XR 12000	ASR 1000	MWR 2941
dataVolumeReportIndication	Y																Y				
rabAsymmetryIndicator	Y																Y				
maxIuConIdPerMsg	Y																Y				
poolingForIuFlex	Y																Y				
eNodeBDirectDataForwarding	Y																Y				
IMO Name—IuPS3GPP																					
releaseCompliance	Y																Y				
mbrUp	Y																Y				
mbrDown	Y																Y				
gbrUp	Y																Y				
gbrDown	Y																Y				
IMO Name—IRanapAttributes																					
sendingARPIE	Y																Y				
ueAggregateMBR	Y																Y				
rabAssignmentIE	Y																Y				
relocationIE	Y																Y				
pagingrequest	Y																Y				
eutranServiceHandover	Y																Y				
rfspID	Y																Y				
includeExtendedMBR	Y																Y				
includeExtendedGBR	Y																Y				
IMO Name—IRanapGlobalCN																					
pagingRequest : IuPSIncludedStateEnum	Y																Y				
relocationRequest : IuPSIncludedStateEnum	Y																Y				
resetProcedure : IuPSIncludedStateEnum	Y																Y				
resetResourceProcedure : IuPSIncludedStateEnum	Y																Y				
IMO Name—IRanapPagingCauseIE																					
gmmSignalling	Y																Y				
smSignalling	Y																Y				
smsSignalling	Y																Y				
gsSignalling	Y																Y				

Table 11-205 IuPS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	12000	ASR 9000	ASR 5000	XR 12000	ASR 1000	MWR 2941
conversationalData	Y																Y				
streamingData	Y																Y				
interactiveData	Y																Y				
backgroundData	Y																Y				
mmeSignalling	Y																Y				
IMO Name—IOverloadControlProcedureActions																					
ptmsiReallocation	Y																Y				
authenticationChallenge	Y																Y				
sms	Y																Y				
serviceRequest	Y																Y				
downlinkDatatPaging	Y																Y				
modifyPDPrequest	Y																Y				
activatePDPrequest	Y																Y				
attachRequest	Y																Y				
srns	Y																Y				

SGSN

Table 11-206 SGSN Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	800	1000	1600	1800	2500	2600	2800	3700	3800	7200	7300	7400	7500	7600	10000	ASR 5000	12000	XR 12000	ASR 1000	MWR 2941	ISR1900
IMO Name—IISGNIuPSEntry																					
serviceName																Y					
context																Y					

Serial

Table 11-207 Serial Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3

Attribute	ASR 9000
IMO Name—IPhysicalLayer	
Media Type	Y
Clocking Source	Y
Maximum Speed	Y
Is Internal Port	
Discarded Bandwidth	
Dropped Bandwidth	
Input Bandwidth	
Output Bandwidth	
Discarded and Received Input Data Counters	Y
Dropped and Forward Output Data Counters	Y
Administrative Status	Y
Operational Status	Y
Last Changed	
IANA Type	Y
Containing CTPs	
Contained CTPs	
Port Alias	Y
Location	Y
Sending Alarms	Y
Connector Description	Y
Part ID	Y
Connector Serial Num	Y
Product	Y
Status	Y
Managed	Y

Discovery Protocol

Table 11-208 *Discovery Protocol Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3*

	ASR 9000
Attribute	
IMO Name—IDiscoveryProtocol	
DiscoveryProtocolType	Y
Info	Y

BNG,DHCP,QoS

Table 11-209 *BNG,DHCP,QoS Attribute Support on Cisco Routers—Cisco Prime Network Version 5.3*

	ASR 9000
Attribute	
IMO Name—IInterfaceAssociationEntry	
EntityAssociation	Y
InterfaceName	Y



Support Information for Cisco Switches

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco switches in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see *Cisco Active Network Abstraction 5.1 Reference Guide*.

This chapter contains the following topics:

- [Cisco Catalyst 1900 Series Switches, page 12-2](#)
- [Cisco Catalyst 2900 Series Switches, page 12-4](#)
- [Cisco Catalyst 2960 Series Switches—Additional Support, page 12-6](#)
- [Cisco ME 3400 Series Ethernet Access Switches, page 12-7](#)
- [Cisco 2500 Series Connected Grid Switch, page 12-11](#)
- [Cisco Catalyst 3500 XL Series Switches, page 12-13](#)
- [Cisco Catalyst 3550 Series Switches, page 12-15](#)
- [Cisco Catalyst 3560 Series Switches, page 12-17](#)
- [Cisco Catalyst 3750 Series Switches, page 12-20](#)
- [Cisco Catalyst 3750 Metro Series Switches, page 12-23](#)
- [Cisco Catalyst 4000 Series Switches, page 12-26](#)
- [Cisco Catalyst 4500 Series Switches, page 12-29](#)
- [Cisco Catalyst 4900 Series Switches, page 12-37](#)
- [Cisco ME 4900 Series Ethernet Switch, page 12-47](#)
- [Cisco Catalyst 5000 Series Switches, page 12-52](#)
- [Cisco Catalyst 6500 Series \(CatOS\) Switches, page 12-54](#)
- [Cisco Catalyst 6500 Series \(IOS\) Switches, page 12-59](#)
- [Cisco Catalyst 6840 Series Switches—Additional Support, page 12-72](#)
- [Cisco Catalyst 6880 Series Switches—Additional Support, page 12-72](#)
- [Cisco ME 6500 Series Ethernet Switches \(6524\), page 12-72](#)
- [Cisco ME 3600X Ethernet Access Switch, page 12-75](#)
- [Cisco ME 3800X Carrier Ethernet Switches, page 12-81](#)
- [Cisco Nexus 7000 Series Switches, page 12-85](#)
- [Cisco Nexus 9000 Series Switches, page 12-96](#)

- [Cisco Nexus 5000 Series Switches](#), page 12-103
- [Cisco Nexus 1000 Series Switches](#), page 12-112
- [Cisco Nexus 3000 Series Switches](#), page 12-115
- [Cisco 6800 Series \(IOS\) Switches](#), page 12-120
- [Cisco Service Control Engines](#), page 12-125
- [Cisco ME1200 Series Carrier Ethernet Switches](#), page 12-126
- [Cisco Nexus 6000 Series Switches](#), page 12-128
- [Cisco Catalyst 3850 Series Switches](#), page 12-131
- [Cisco Industrial Ethernet 2K —Additional Support](#), page 12-204
- [Cisco Industrial Ethernet 3K —Additional Support](#), page 12-206
- [Cisco Industrial Ethernet 4K —Additional Support](#), page 12-207
- [Supported Technologies on Cisco Switches](#), page 12-136

Cisco Catalyst 1900 Series Switches

This section includes the following information about Catalyst 1900 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 1900 Series Switches](#)):

This section contains the following topics:

- [Catalyst 1900—Supported Software Versions](#), page 12-2
- [Catalyst 1900—Supported Topologies](#), page 12-2
- [Catalyst 1900—Supported Technologies](#), page 12-3
- [Catalyst 1900—Supported Service Events](#), page 12-3

Catalyst 1900—Supported Software Versions

Table 12-1 Supported Software Versions for Catalyst 1900—Cisco Prime Network Version 5.3

Software Version	Product Version
CatOS 9.00.04	3.7
CatOS 9.00.06	3.7

Catalyst 1900—Supported Topologies

Table 12-2 Supported Topologies for Catalyst 1900—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7

Table 12-2 Supported Topologies for Catalyst 1900—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
LAG	LAG	3.7
Physical Layer	Physical Layer	3.7
L2 Fabric	L2 Fabric Link	Prime Network 4.2

Catalyst 1900—Supported Technologies

The following technologies are supported by the Catalyst 1900 in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)

Catalyst 1900—Supported Service Events

Table 12-3 Supported Service Events for Catalyst 1900—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
CPU Overutilized		N
Device Unsupported	3.7	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Memory Overutilized	3.7	N
Port Down Due to Admin		N
Port Up		N
All IP Interfaces Down	3.7	Y
Active IP Interfaces Found	3.7	Y
BGP Process Up	3.7	N
Card Down	3.7	Y
Card Up	3.7	Y
Layer 2 Tunnel Down	3.7	N
Link Up	3.7	N

Table 12-3 Supported Service Events for Catalyst 1900—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
MPLS Black Hole Found	3.8	N
Power Supply Down	3.8	N

Cisco Catalyst 2900 Series Switches

This section includes the following information about Cisco Catalyst 2900 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 2900 Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 2900 Series—Supported Software Versions, page 12-4](#)
- [Cisco Catalyst 2900 Series—Supported Topologies, page 12-4](#)
- [Cisco Catalyst 2900 Series—Supported Modules, page 12-5](#)
- [Cisco Catalyst 2900 Series—Supported Technologies, page 12-5](#)
- [Cisco Catalyst 2900 Series—Supported Service Events, page 12-6](#)
- [Cisco Cat 2960—Supported Software Version, page 12-6](#)

Cisco Catalyst 2900 Series—Supported Software Versions

Table 12-4 Supported Software Versions for Cisco Catalyst 2900 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.0(5)WC17	3.6.2
12.1(22)EA8	3.6.2
12.1(22)EA8a	3.6.2
12.2(25)FX	3.6.0
CatOS 9.00.04	3.6.0
12.2(25)SEE2	3.7.1
12.2(25)SEE3	3.7.1

Cisco Catalyst 2900 Series—Supported Topologies

Table 12-5 Supported Topologies for Cisco Catalyst 2900 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0

Table 12-5 Supported Topologies for Cisco Catalyst 2900 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	4.2
LAG	LAG	3.6.0
Physical Layer	Physical Layer	3.6.0

Cisco Catalyst 2900 Series—Supported Modules

Table 12-6 Supported Modules for Cisco Catalyst 2900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-C2912-XL	3.6.0	12 fixed autosensing 10/100 ports
WS-C2924M-XL	3.6.0	24 fixed autosensing 10/100 ports 2 expansion slots
WS-C2948G	3.6.0	48 10/100 ports and 2 fixed, gigabit interface converter (GBIC)-based 1000BASE-X uplink ports 1.5 RU switch Catalyst OS installed
WS-X2948	3.6.0	Switching Supervisor
WS-C2960X-48TS-L	Prime Network 4.3-DP17 09 ¹	WS-C2960X-48TS-L

¹ Cisco Catalyst 2920 Series Switches

Cisco Catalyst 2900 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 2900 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)

Cisco Catalyst 2900 Series—Supported Service Events

Table 12-7 Supported Service Events for Cisco Catalyst 2900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Port Down Due to Admin	3.6.0	N
Port Up	3.6.0	N
Power Supply Down	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N

Cisco Catalyst 2960 Series Switches—Additional Support

Cisco Cat 2960—Supported Software Version

Table 12-8 Supported Software Version for Cisco Cat 2900 Series Switch

Software Version	Product Version
15.2(2)E6	DP 1709
15.2(4)E2	4.3-DP 1809
15.2(6) E	Prime Network 5.0 DP 1909

Cisco Cat 2960—Supported Module

Table 12-9 Supported Software Module for Cisco Cat 2960

Module Name	Module Description	Product Version
WS-C2960X-48TS-L	WS-C2960X-48TS-L	DP 1709
WS-C2960C-8TC-L	WS-C2960C-8TC-L	DP 1809
WS-C2960X-24TS-L	WS-C2960X-24TS-L	DP 1809
WS-C2960-24TD-L	WS-C2960-24TD-L	DP 1809
WS-C2960C-12PC-L	WS-C2960C-12PC-L	DP 1809
WS-C2960CX-8TC-L	WS-C2960CX-8TC-L	DP 1901
WS-C2960L-8TS-LL	WS-C2960L-8TS-LL	Prime Network 5.0 DP 1909

Cisco ME 3400 Series Ethernet Access Switches

This section includes the following information about Cisco ME 3400 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ME 3400 Series Ethernet Access Switches](#)):

This section contains the following topics:

- [Cisco ME 3400 Series—Supported Software Versions, page 12-7](#)
- [Cisco ME 3400 Series—Supported Topologies, page 12-9](#)
- [Cisco ME 3400 Series—Supported Modules, page 12-9](#)
- [Cisco ME 3400 Series—Supported Technologies, page 12-10](#)
- [Cisco ME 3400 Series—Supported Service Events, page 12-10](#)

Cisco ME 3400 Series—Supported Software Versions

Table 12-10 Supported Software Versions for Cisco ME 3400 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(0.0.48)EY	1 3.6.1
12.2(25)SEG	3.61
12.2(35)SE	2 3.6.1
12.2(35)SE1	3 3.6.1
12.2(35)SE3	4 3.6.1

Table 12-10 Supported Software Versions for Cisco ME 3400 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(35)SE4	5 3.6.1
12.2(37)SE	63.6.3
12.2(37)SE1	73.6.4
12.2(44)EY	8 3.6.5
12.2(44)EY4	9 3.6.5
12.2(44)SE	10 3.6.3
12.2(44)SE1	11 3.6.4
12.2(46)SE	12 3.6.4
12.2(50)SE	13 3.6.6
12.2(50)SE1	14 3.7
12.2(52)SE	15 3.6.7
12.2(53)SE	16 3.7
12.3(22)S	17 3.6.1
12.3(23)	18 3.6.1
12.3(23)S1	19 3.6.1
12.3(23)S2	20 3.6.1
12.3(23)S3	21 3.6.1
12.2(54)SE	3.7.1
12.2(55)SE	22 3.7.1.0.4
12.2(58)SE	3.7.2-DP-3.0
12.2(58)SE1	3.7.X-DP-6.0
12.2(58)SE2	3.7.X-DP-7.0
12.2(58)EX	Cisco-Prime Network-3.7. x-DP15, Cisco-Prime Network-3.8- DP6

^{1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 17, 18, 19, 20, 21, 22}Prime Network models pluggable ports for this IOS version.

⁹Tested with modified version of 12.2(44)EY Prime Network models pluggable ports for this IOS version.

^{14, 15, 16}Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco ME 3400 Series—Supported Topologies

Table 12-11 Supported Topologies for Cisco ME 3400 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.5
LAG	LAG	
Physical Layer	Physical Layer	3.6.5
L2 Fabric	L2 Fabric Link	4.2

Cisco ME 3400 Series—Supported Modules

Table 12-12 Supported Modules for Cisco ME 3400 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
GLC-EX-SMD	3.6.7	1000BASE-EX extended SFP transceiver module
GLC-FE-100FX	3.6.7	100BaseFX-SFP module for 100 MB ports, 1310 -nm wavelength ,2 Km over MMF
GLC-FE-100LX	3.6.7	100BaseLX10-SFP module for 100 MB ports, 1310 -nm wavelength ,10 Km over SMF
GLC-LH-SM	3.6.4	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
GLC-ZX-SM	3.7	Contains a Class 1 laser of 1550 nm for 1000BASE-ZX (extended wavelength) applications
ME340X-PWR-AC	3.6.7	AC power supply and fan module for ME-3400E-24TS-M and ME-3400EG-12CS-M
SFP-GE-L	3.6.4	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP.
GLC-BX-D	3.7.1	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-BX-U	3.7.1	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength

Cisco ME 3400 Series—Supported Technologies

The following technologies are supported by the Cisco ME 3400 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [Ethernet OAM, page 12-186](#)

Cisco ME 3400 Series—Supported Service Events

Table 12-13 Supported Service Events for Cisco ME 3400 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	Y
Active IP Interfaces Found	3.6.1	Y
Card Down	3.6.1	Y
Card Up	3.6.1	Y
CPU Overutilized	3.6.1	N
Device Unsupported	3.6.1	Y
Link Down Due to Admin Down	3.6.1	N
Link Down Due to Oper Down	3.6.1	N
Link Up	3.6.1	N
Memory Overutilized	3.6.1	N
MPLS Black Hole Found	3.6.1	N
Port Down Due to Admin	3.6.1	Y
Port Up	3.6.1	Y
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y

Cisco 2500 Series Connected Grid Switch

This section includes the following information about Cisco 2520 Connected Grid Switch switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco 2500 Series Connected Grid Switch](#)):

This section contains the following topics:

- [Cisco 2520 Connected Grid Switch—Supported Software Versions](#), page 12-11
- [Cisco 2520 Connected Grid Switch—Supported Topologies](#), page 12-11
- [Cisco 2520 Connected Grid Switch—Supported Modules](#), page 12-12
- [Cisco 2520 Connected Grid Switch—Supported Technologies](#), page 12-12
- [Cisco 2520 Connected Grid Switch—Supported Service Events](#), page 12-12

Cisco 2520 Connected Grid Switch—Supported Software Versions

Table 12-14 Supported Software Versions for Cisco 2520 Connected Grid Switch—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.2(4)EA5	PrimeNetwork-4.3-DP1807
12.2(58)EY2	PrimeNetwork-3.10-DP1303

Cisco 2520 Connected Grid Switch—Supported Topologies

Table 12-15 Supported Topologies for Cisco 2520 Connected Grid Switch—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Physical Layer	Physical Layer	PrimeNetwork-3.10-DP1303
L2 Fabric	L2 Fabric Link	4.2

Cisco 2520 Connected Grid Switch—Supported Modules

Table 12-16 Supported Modules for Cisco 2520 Connected Grid Switch—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CGS-2520-16S-8PC	PrimeNetwork-4.3-DP 1807	CGS-2520-16S-8PC
CGS-2520-24TC	PrimeNetwork-4.3-DP 1807	CGS-2520-24TC
CGS-2520-16S-8PC	PrimeNetwork-3.10-DP1303	Cisco CGS2520 Front/Rear Cabling with 2 GE, 16-SFP, 8-10/100 PoE
CGS-2520-24TC	PrimeNetwork-3.10-DP1303	Cisco CGS2520 Front/Rear Cabling with 2 GE, 24-10/100 Copper
PWR-RGD-AC-DC	PrimeNetwork-3.10-DP1303	Cisco High AC/DC (88-300VDC/85-264VAC) Power Supply Module For The IE-3010 Switch.

Cisco 2520 Connected Grid Switch—Supported Technologies

The following technologies are supported by the Cisco 2520 Connected Grid Switch in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)

Cisco 2520 Connected Grid Switch—Supported Service Events

Table 12-17 Supported Service Events for Cisco 2520 Connected Grid Switch—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.10	N
Active IP Interfaces Found	3.10	N
Device Unsupported	3.10	N
Port Down Due to Admin	3.10	N
Power Supply Out	3.10	N
Power Supply In	3.10	N

Cisco Catalyst 3500 XL Series Switches

This section includes the following information about Cisco Catalyst 3500 XL Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 3500 XL Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 3500 XL Series—Supported Software Versions](#), page 12-13
- [Cisco Catalyst 3500 XL Series—Supported Topologies](#), page 12-13
- [Cisco Catalyst 3500 XL Series—Supported Modules](#), page 12-13
- [Cisco Catalyst 3500 XL Series—Supported Technologies](#), page 12-14
- [Cisco Catalyst 3500 XL Series—Supported Service Events](#), page 12-14

Cisco Catalyst 3500 XL Series—Supported Software Versions

Table 12-18 Supported Software Versions for Cisco Catalyst 3500 XL Series—Cisco Prime Network Version 5.3

Software Version	Product Version
Cat IOS 12.0(5)WC9a	3.6.0

Cisco Catalyst 3500 XL Series—Supported Topologies

Table 12-19 Supported Topologies for Cisco Catalyst 3500 XL Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.2
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 3500 XL Series—Supported Modules

Table 12-20 Supported Modules for Cisco Catalyst 3500 XL Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C3K-BLWR-60CFM	3.6.4	Fan Module for the Catalyst 3750-E and 3560-E Series

Cisco Catalyst 3500 XL Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3500 XL Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [CDP, page 12-186](#)

Cisco Catalyst 3500 XL Series—Supported Service Events

Table 12-21 Supported Service Events for Cisco Catalyst 3500 XL Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Power Supply Down	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Cisco Catalyst 3550 Series Switches

This section includes the following information about Cisco Catalyst 3550 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 3550 Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 3550 Series—Supported Software Versions, page 12-15](#)
- [Cisco Catalyst 3550 Series—Supported Topologies, page 12-15](#)
- [Cisco Catalyst 3550 Series—Supported Technologies, page 12-16](#)
- [Cisco Catalyst 3550 Series—Supported Service Events, page 12-16](#)

Cisco Catalyst 3550 Series—Supported Software Versions

Table 12-22 Supported Software Versions for Cisco Catalyst 3550 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.1(11)EA	3.6.1
12.1(12c)EA1	3.6.1
12.1(13)EA	3.6.1
12.1(14)AX3	3.6.1
12.1(14)EA1	3.6.1
12.1(19)EA	3.6.1
12.1(20)EA	3.6.1
12.1(22)EA	3.6.1
12.1(22)EA6	3.6.1
12.1(22)EA8a	3.6.1

Cisco Catalyst 3550 Series—Supported Topologies

Table 12-23 Supported Topologies for Cisco Catalyst 3550 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 3550 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3550 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [CDP, page 12-186](#)

Cisco Catalyst 3550 Series—Supported Service Events

Table 12-24 Supported Service Events for Cisco Catalyst 3550 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
IMA Oper Down	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU Overutilized	3.6.0	Y
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Link Down Due to Admin Down	3.6.0	N
Link Down Due to Oper Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MLPPP Up	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Port Down Due to Admin	3.6.0	N
Power Supply Down	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y

Cisco Catalyst 3560 Series Switches

This section includes the following information about Cisco Catalyst 3560 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 3560 Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 3560 Series—Supported Software Versions, page 12-17](#)
- [Cisco Catalyst 3560 Series—Supported Topologies, page 12-18](#)
- [Cisco Catalyst 3560 Series—Supported Modules, page 12-18](#)
- [Cisco Catalyst 3560 Series—Supported Technologies, page 12-19](#)
- [Cisco Catalyst 3560 Series—Supported Service Events, page 12-19](#)

Cisco Catalyst 3560 Series—Supported Software Versions

Table 12-25 Supported Software Versions for Cisco Catalyst 3560 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.1(13)EA1a	3.6.0
12.1(14)EA1a	3.6.0
12.1(22)EA1	3.6.2
12.1(22)EA5	3.6.1
12.1(22)EA8a	3.6.1
12.1(25)EW	3.6.0
12.1(6)EA1a	3.6.0
12.2(25)SEC	3.6.2
12.2(25)SEC2	3.6.2
12.2(25)SED	3.6.0
12.2(25)SEE2	3.6.1
12.2(53)SE2	Prime Network3.8. X-DP6, Prime Network3.7. X-DP15
15.0(2)SE1	4.3.1
15.0(2) SE6	4.3.1

Cisco Catalyst 3560 Series—Supported Topologies

Table 12-26 Supported Topologies for Cisco Catalyst 3560 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.0
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	Prime Network 4.2

Cisco Catalyst 3560 Series—Supported Modules

Table 12-27 Supported Modules for Cisco Catalyst 3560 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C3K-BLWR-60CFM	3.6.4	Fan Module for the Catalyst 3750-E and 3560-E Series
WS-C3560-24PS	3.6.1	24 Ethernet 10/100 ports and 2 SFP-based Gigabit Ethernet ports
WS-C3560-48PS	3.6.0	48 Ethernet 10/100 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560-48TS	3.6.2	48 Ethernet 10/100 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-24PS	3.6.1	24 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-24TS	3.6.1	24 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-48PS	3.6.1	48 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-48TS	3.6.0	48 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
C3KX-PWR-350WAC	PrimeNet work-3.8.xTo3.9.x-DP1307	350W AC power supply
C3KX-SM-10G	PrimeNet work-3.8.xTo3.9.x-DP1307	Service Module with two 10GbE SFP+ ports network module for Netflow and MACsec encryption

Table 12-27 Supported Modules for Cisco Catalyst 3560 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-C3560X-24	PrimeNet work-3.8.xTo3.9.x-DP1307	24 10/100/1000 PoE+, non-PoE models, 24 GE SFP port models
C3KX-PWR-440WDC	PrimeNet work-3.8.xTo3.9.x-DP1307	440W DC power supply

Cisco Catalyst 3560 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3560 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [VPN \(VRF\), page 12-169](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [CDP, page 12-186](#)

Cisco Catalyst 3560 Series—Supported Service Events

Table 12-28 Supported Service Events for Cisco Catalyst 3560 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N

Table 12-28 Supported Service Events for Cisco Catalyst 3560 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Port Down Due to Admin	3.6.0	N
Port Up	3.6.0	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Cisco Catalyst 3750 Series Switches

This section includes the following information about Cisco 3750 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 3750 Series Switches](#)):

This section contains the following topics:

- [Cisco 3750 Series—Supported Software Versions, page 12-20](#)
- [Cisco 3750 Series—Supported Topologies, page 12-21](#)
- [Cisco 3750 Series—Supported Modules, page 12-21](#)
- [Cisco 3750 Series—Supported Technologies, page 12-22](#)
- [Cisco 3750 Series—Supported Service Events, page 12-22](#)

Cisco 3750 Series—Supported Software Versions

Table 12-29 Supported Software Versions for Cisco 3750 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(25)EY3	3.6.0
12.2(25)SEC2	3.6.2
12.2(52)SE	3.6.7
12.2(50)SE	3.6.7

Table 12-29 Supported Software Versions for Cisco 3750 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(53)SE2	Prime Network3.8.X-DP6, Prime Network3.7.X-DP15

Cisco 3750 Series—Supported Topologies

Table 12-30 Supported Topologies for Cisco 3750 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.2
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco 3750 Series—Supported Modules

Table 12-31 Supported Modules for Cisco 3750 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C3KX-NM-10G	Prime Network3 .8.X-DP6, Prime Network3 .7.X-DP15	Two 10GbE SFP+ ports network module with four physical ports with two SFP+ and two regular SFP ports
C3KX-PWR-350WAC	Prime Network3 .8.X-DP6, Prime Network3 .7.X-DP15	350W AC power supply

Table 12-31 Supported Modules for Cisco 3750 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
C3KX-PWR-715WAC	Prime Network3 .8.X-DP6, Prime Network3 .7.X-DP15	715W AC power supply

Cisco 3750 Series—Supported Technologies

The following technologies are supported by the Cisco 3750 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)

Cisco 3750 Series—Supported Service Events

Table 12-32 Supported Service Events for Cisco 3750 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
REP Port Role Failed		Y
REP Port Role Ok		Y
Rx Overutilized	3.6.0	N

Table 12-32 Supported Service Events for Cisco 3750 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Tx Overutilized	3.6.0	N

Cisco Catalyst 3750 Metro Series Switches

This section includes the following information about Cisco Catalyst 3750 Metro Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 3750 Metro Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 3750 Metro Series—Supported Software Versions](#), page 12-23
- [Cisco Catalyst 3750 Metro Series—Supported Topologies](#), page 12-24
- [Cisco Catalyst 3750 Metro Series—Supported Modules](#), page 12-24
- [Cisco Catalyst 3750 Metro Series—Supported Technologies](#), page 12-25
- [Cisco Catalyst 3750 Metro Series—Supported Service Events](#), page 12-25

Cisco Catalyst 3750 Metro Series—Supported Software Versions

Table 12-33 Supported Software Versions for Cisco Catalyst 3750 Metro Series—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(25)EY*	1 3.6.3
12.2(25)EY3	2 3.6.3
12.2(25)SEB4	3 3.6.3
12.2(25)SEG1	4 3.6.3
12.2(35)SE	5 3.6.3
12.2(37)SE*	6 3.6.3
12.2(37)SE1	7 3.6.3
12.2(40)SE	8 3.6.3
12.2(44)SE1	9 3.6.3
12.2(46)SE	10 3.6.4
12.2(50)SE	11 3.6.6
12.2(52)SE	12 3.6.7
12.2(53)SE	13 3.7
12.2(54)SE	14 3.7.1
12.2(55)SE	15 3.7.1.0
12.2(58)SE	3.7.2-DP-3.0

Table 12-33 *Supported Software Versions for Cisco Catalyst 3750 Metro Series—Cisco Prime Network Version 5.3 (Continued)*

Software Version	Product Version
12.2(58)SE1	3.7.X-DP-6.0

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}Prime Network models pluggable ports for this IOS version.

^{11, 12, 13, 14, 15}Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco Catalyst 3750 Metro Series—Supported Topologies

Table 12-34 *Supported Topologies for Cisco Catalyst 3750 Metro Series—Cisco Prime Network Version 5.3*

Topology Type	Link Type	Product Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.5
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.5
PPP/HDLC	PPP or HDLC	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 3750 Metro Series—Supported Modules

Table 12-35 *Supported Modules for Cisco Catalyst 3750 Metro Series—Cisco Prime Network Version 5.3*

Module Name	Product Version	Module Description
CATALYST375024ME	3.6.0	Metro Ethernet Catalyst 3750 Module. 24-10/100 + 2 SFP (Small Formfactor Pluggable) ports for downlinks
GLC-EX-SMD	3.6.7	1000BASE-EX extended SFP transceiver module
GLC-LH-SM	3.6.5	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
ME-C3750-24TE-FAN 0	1 3.7	Fan Module for ME-C3750-24TE
PWR-ME3750-AC	3.7	Primary AC power supply
PWR-ME3750-DC	3.7	Primary DC power supply
SFP-GE-L	3.6.5	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support

¹Tested by John C (Refer bug CSCtg86953)

Cisco Catalyst 3750 Metro Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3750 Metro Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [MPLS, page 12-166](#)
- [MPLS-TE, page 12-167](#)
- [VPN \(VRF\), page 12-169](#)
- [PWE3, page 12-171](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [LocalSwitching, page 12-182](#)
- [BFD, page 12-183](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [Ethernet OAM, page 12-186](#)

Cisco Catalyst 3750 Metro Series—Supported Service Events

Table 12-36 Supported Service Events for Cisco Catalyst 3750 Metro Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	Y
Device Initializing		Y
Keepalive Not Set	3.7	N

Table 12-36 Supported Service Events for Cisco Catalyst 3750 Metro Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Keepalive Set	3.7	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Port Down Due to Admin	3.8	N
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Cisco Catalyst 4000 Series Switches

This section includes the following information about Cisco Catalyst 4000 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 4000 Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 4000 Series—Supported Software Versions](#), page 12-26
- [Cisco Catalyst 4000 Series—Supported Topologies](#), page 12-27
- [Cisco Catalyst 4000 Series—Supported Modules](#), page 12-27
- [Cisco Catalyst 4000 Series—Supported Technologies](#), page 12-28
- [Cisco Catalyst 4000 Series—Supported Service Events](#), page 12-29

Cisco Catalyst 4000 Series—Supported Software Versions

Table 12-37 Supported Software Versions for Cisco Catalyst 4000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.1(12c)EW1	1 3.6.0
IOS 12.2(20)EWA1	2 3.6.0
IOS 12.2(25)SG	3 3.6.0
IOS 12.2(31)SGA2	4 3.6.2
IOS 12.2(50)SG1	5 3.6.7

Table 12-37 Supported Software Versions for Cisco Catalyst 4000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.2(52)SG	6 3.6.7
IOS 12.2(53)SG	7 3.7

^{1,2,3,4}Prime Network models pluggable ports for this IOS version.

^{5,6,7}Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco Catalyst 4000 Series—Supported Topologies

Table 12-38 Supported Topologies for Cisco Catalyst 4000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.2
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 4000 Series—Supported Modules

Table 12-39 Supported Modules for Cisco Catalyst 4000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1470	3.6.0	CWDM SFP 1470 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490	3.6.0	CWDM SFP 1490 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	3.6.0	CWDM SFP 1510 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	3.6.0	CWDM SFP 1530 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	3.6.0	CWDM SFP 1550 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	3.6.0	CWDM SFP 1570 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	3.6.0	CWDM SFP 1590 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	3.6.0	CWDM SFP 1610 nm, Gigabit Ethernet and 1G/2G FC

Table 12-39 Supported Modules for Cisco Catalyst 4000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-U4504-FX-MT	3.6.0	FE Uplink Daughter Card, 4-port 100FX (MTRJ)
WS-X4014	3.6.0	Catalyst 4006 Supervisor 3, Spare
WS-X4124-FX-MT	3.6.0	FE Switching Module, 24-port 100FX (MTRJ)
WS-X4148-FX-MT	3.6.0	FE Switching Module, 48-100FX MMF (MTRJ)
WS-X4148-RJ	3.6.0	10/100 Fast Ethernet Module, 48 Ports (RJ-45)
WS-X4148-RJ21	3.6.0	Telco switch module, 48-port 10/100 (4xRJ21)
WS-X4148-RJ45V	3.6.0	Inline Power 10/100, 48-port (RJ45)
WS-X4232-GB-RJ	3.6.0	E/FE/GE Module, 2-GE (GBIC), 32-10/100 FE (RJ-45)
WS-X4232-RJ-XX	3.6.0	FE Base Module, 32-10/100(RJ45)+ Modular Uplink slot
WS-X4248-RJ21V	3.6.0	48-port PoE 10/100 BASE-TX switching module
WS-X4248-RJ45V	3.6.0	48-port PoE 10/100BASE-TX switching module
WS-X4302-GB	3.6.0	2-port 1000BASE-X (GBIC) Gigabit Ethernet
WS-X4306-GB	3.6.0	Gigabit Ethernet Module, 6 Ports (GBIC)
WS-X4412-2GB-T	3.6.0	GE Module, 12-1000T (RJ45)+2-1000X (GBIC Slot)
WS-X4418-GB	3.6.0	GE Module, Server Switching 18 Ports (GBIC)
WS-X4424-GB-RJ45	3.6.0	24-port 10/100/1000BASE-T Gigabit Ethernet switching module
WS-X4424-GB-RJ-45	3.6.0	24 port 10/100/1000 Auto-Sensing Module (RJ45)
WS-X4448-GB-LX	3.6.0	48-port 1000BASE-LX (SFP included) Gigabit Ethernet switching module
WS-X4448-GB-RJ45	3.6.0	48 port 10/100/1000 Auto-Sensing Module (RJ45)
WS-X4548-GB-RJ45	3.6.0	48-port Gigabit Ethernet 10/100/1000BASE-T switching module
WS-X4548-GB-RJ45V	3.6.0	48-port PoE 10/100/1000BASE-T switching module

Cisco Catalyst 4000 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4000 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [CDP, page 12-186](#)

Cisco Catalyst 4000 Series—Supported Service Events

Table 12-40 Supported Service Events for Cisco Catalyst 4000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
MPLS Black Hole Found	3.6.0	N
Port Down Due to Admin	3.6.0	N
Sub Power Supply Down	3.8	N
Power Supply Up	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Overutilized	3.6.0	N
Tx Overutilized	3.6.0	N

Cisco Catalyst 4500 Series Switches

This section includes the following information about Cisco Catalyst 4500 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 4500 Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 4500 Series—Supported Software Versions, page 12-30](#)
- [Cisco Catalyst 4500 Series—Supported Topologies, page 12-31](#)
- [Cisco Catalyst 4500 Series—Supported Modules, page 12-31](#)

- [Cisco Catalyst 4500 Series—Supported Technologies, page 12-36](#)
- [Cisco Catalyst 4500 Series—Supported Service Events, page 12-36](#)

Cisco Catalyst 4500 Series—Supported Software Versions

Table 12-41 Supported Software Versions for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 3.4.5/15(1)2.SG5	DP 1805
12.1(13)EW	3.6.0
12.2(20)EWA	¹ 3.6.0
12.2(25)EWA14	² 3.6.0
12.2(31)SGA2	³ 3.6.2
12.2(50)SG1	⁴ 3.6.7
12.2(52)SG	⁵ 3.6.6
12.2(52)XO	⁶ 3.6.7
12.2(53)SG	⁷ 3.7
12.1(12c)EW1	⁸ 3.6.0
12.2(20)EWA1	⁹ 3.6.0
12.2(25)SG	¹⁰ 3.6.0
12.2(54)SG	3.7.1
12.2(53)SG1	3.7.1
12.2(53)SG2	3.7.1
12.2(53)SG3	Prime Network-3.7.2-D P1
12.2(53)SG4	Prime Network-3.7.2-DP2
15.0(2)SG	Prime Network-3.7.2-DP4
3.2.0SG	Prime Network-3.7.2-DP4

^{1, 2, 3, 6, 8, 9, 10}Prime Network models pluggable ports for this IOS version.

^{4, 5, 7}Prime Network recognizes all maintenance builds in this IOS release train.Prime Network models pluggable ports for this IOS version.

Cisco Catalyst 4500 Series—Supported Topologies

Table 12-42 Supported Topologies for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
LAG	LAG	3.6.2
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 4500 Series—Supported Modules

Table 12-43 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C4KX-NM-8SFP+	DP 1805	C4KX-NM-8SFP+
WS-C4500X-32SFP+	DP 1805	WS-C4500X-32SFP+
WS-C4500X-16SFP+	DP 1805	WS-C4500X-16SFP+
CWDM-SFP-1550	3.7	CWDM 1550 NM SFP Gigabit Ethernet and 1G/2G FC
DWDM-X2-30.33=	3.7	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
DWDM-X2-31.12=	3.7	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)
DWDM-X2-31.90=	3.7	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-32.68=	3.7	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)
DWDM-X2-34.25=	3.7	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-35.04=	3.7	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-35.82=	3.7	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-36.61=	3.7	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-38.19=	3.7	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-38.98=	3.7	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)

Table 12-43 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-X2-39.77=	3.7	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-40.56=	3.7	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-42.14=	3.7	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	3.7	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	3.7	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-44.53=	3.7	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	3.7	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	3.7	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)
DWDM-X2-47.72=	3.7	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)
DWDM-X2-48.51=	3.7	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	3.7	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	3.7	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	3.7	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	3.7	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)
DWDM-X2-54.13=	3.7	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	3.7	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	3.7	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	3.7	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	3.7	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	3.7	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)

Table 12-43 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-X2-59.79=	3.7	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
DWDM-X2-60.61=	3.7	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
GLC-BX-D	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength.
GLC-BX-U	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength, single LC/PC connector
GLC-FE-100BX-D	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength, single LC/PC connector
GLC-FE-100BX-U	3.7	100BASE-BX10-U SFP
GLC-FE-100FX	3.7	100BASE-FX SFP for FE port
GLC-FE-100LX	3.7	100BASE-LX SFP for FE port
GLC-FE-100ZX	3.7	100BASE-ZX SFP module for 100-MB ports, and 1550 nm wavelength, 80 km over SMF.
GLC-LH-SM	3.6.7	Transceiver module - SFP - Gigabit EN - 1000Base-LX, 1000Base-LH - 1300 nm
GLC-SX-MM	3.7	Transceiver module - SFP - Gigabit EN - 1000Base-SX - 850 nm
GLC-ZX-SM	3.6.7	1000BASE-ZX SFP
PWR-C45-1300ACV	3.6.4	Cisco Catalyst 4500 Series 1300W AC power supply (with integrated PoE)
PWR-C45-1400DC	3.6.7	Cisco Catalyst 4500 Series triple input 1400W DC power supply (data only)
PWR-C45-1400DC-P	3.7	Cisco Catalyst 4500 Series 1400W DC power supply with integrated power entry module (PEM)
PWR-C45-2800ACV	3.6.7	Cisco Catalyst 4500 Series 2800W AC power supply (with integrated PoE)
WS-G5483	3.7	Cisco Catalyst 4500 1400 WDC Power Supply with PEM (PoE)
WS-U4504-FX-MT	3.6.0	FE Uplink Daughter Card, 4-port 100FX (MTRJ)
WS-X4013+	3.6.0	Cisco Catalyst 4500 Series Supervisor Engine II-Plus
WS-X4013+10GE	3.7	Cisco Catalyst 4500 Series Supervisor Engine II-Plus-10GE
WS-X4013+TS	3.6.0	Cisco Catalyst 4500 Series Supervisor Engine II-Plus-TS, twelve 10/100/1000 PoE (RJ-45) and eight 1000-X SFP ports included on supervisor-engine faceplate

Table 12-43 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-X4014	3.6.0	Catalyst 4500 Supervisor II-Plus (IOS), 2GE, Console(RJ-45)
WS-X4124-FX-MT	3.6.0	FE Switching Module, 24-port 100FX (MTRJ)
WS-X4124-RJ45	3.6.0	Supervisor Engine III
WS-X4148-FE-BD-LC	3.6.0	24-Port 100BASE-FX Fast Ethernet Switching Module
WS-X4148-FE-LX-MT	3.6.0	24-Port 10/100BASE-TX Fast Ethernet Switching Module
WS-X4148-FX-MT	3.6.0	FE Switching Module, 48-100FX MMF (MTRJ)
WS-X4148-RJ	3.6.0	Cisco Catalyst 4500 10/100 Auto Module, 48-Port (RJ-45)
WS-X4148-RJ21	3.6.0	Telco switch module, 48-port 10/100 (4xRJ21)
WS-X4148-RJ45V	3.6.0	Inline Power 10/100, 48-port (RJ45)
WS-X4224-RJ45V	3.6.0	Catalyst 4500 10/100 Module, 48-Ports Telco (4xRJ21)
WS-X4232-GB-RJ	3.6.0	10/100BASE-TX Fast Ethernet switching module with Cisco pre-standard PoE
WS-X4232-L3	3.6.0	Catalyst 4500 10/100 PoE 802.3af 24-ports (RJ45)
WS-X4232-RJ-XX	3.6.0	Catalyst 4500 32-10/100 (RJ-45),2-GE(GBIC)
WS-X4248-FE-SFP	3.6.0	Layer 3 Services Module
WS-X4248-RJ21V	3.6.0	Catalyst 4500 10/100 Module,32-ports(RJ45)+Modular uplinks
WS-X4248-RJ45V	3.6.0	Catalyst 4500 48-Port 100BASE-X (SFPs Optional)
WS-X4302-GB	3.6.0	Catalyst 4500 PoE 802.3af 10/100, 48-Ports (RJ21)
WS-X4306-GB	3.6.0	Catalyst 4500 PoE 802.3af 10/100, 48-Ports (RJ45)
WS-X4412-2GB-T	3.6.0	Catalyst 4500 Gigabit Ethernet Module, 2-Ports (GBIC)
WS-X4418-GB	3.6.0	Catalyst 4500 Gigabit Ethernet Module, 6-Ports (GBIC)
WS-X4424-GB-RJ45	3.6.0	1000BASE-T plus 1000BASE-X Gigabit Ethernet switching module
WS-X4448-GB-LX	3.6.0	Catalyst 4500 GE Module, Server Switching 18-Ports (GBIC)
WS-X4448-GB-RJ45	3.6.0	Catalyst 4500 24-port 10/100/1000 Module (RJ45)
WS-X4448-GB-SFP	3.6.0	1000BASE-X Gigabit Ethernet switching module
WS-X4506-GB-T	3.6.0	Catalyst 4500 48-Port 10/100/1000 Module (RJ45)
WS-X4515	3.6.0	Catalyst 4500 48-Port 1000Base-X (SFPs Optional)
WS-X4516	3.6.0	Catalyst 4500 6-Port 10/100/1000 PoE or SFP (Optional)

Table 12-43 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-X4516-10GE	3.6.0	Catalyst 4500 Supervisor IV (2 GE), Console(RJ-45)
WS-X4524-GB-RJ45V	3.6.0	Catalyst 4500 Supervisor V (2 GE), Console(RJ-45)
WS-X4548-GB-RJ45	3.6.0	Catalyst 4500 Supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)
WS-X4548-GB-RJ45V	3.6.0	Catalyst 4500 PoE 802.3af 10/ 100/1000 24-ports (RJ45)
WS-X45-SUP6-E	3.6.7	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)
WS-X45-SUP6L-E	3.6.7	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)
WS-X4604-GWY	3.6.0	Catalyst 4000 Access Gateway Module
WS-X4606-X2-E	3.6.7	Cisco 4506 Power supply module
WS-X4624-SFP-E	3.6.7	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
WS-X4648-RJ45V+E	3.7	Cisco Catalyst 4500 E-Series 48-Port 802.3af PoE and PoEP-ready 10/100/1000 (RJ-45)
WS-X4648-RJ45V-E	3.7	Cisco Catalyst 4500 E-Series 48-port 802.3af PoE 10/100/1000 (RJ-45)
X2-10GB-CX4	3.6.7	10 Gigabit Ethernet X2 with Copper Wire (Data and PoE)
X2-10GB-ER	3.6.7	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/Twin Gig
X2-10GB-LR	3.6.7	Catalyst 4500 E-Series Sup 6L-E, 2x10GE(X2) w/Twin Gig
X2-10GB-LRM	3.7	10GBASE-LRM X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LX4	3.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-SR	3.7	10GBASE-ER X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GB-ZR	3.7	10GBASE-LR Serial 1310-nm long-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)
WS-X4597-E	1 3.7	Catalyst 4507R-E Fan Tray
WS-X45-SUP7-E	Prime Network-3.7.2-DP4	Sup 7-E 10GE (SFP+), 1000BaseX (SFP) with 4 SFP+ Ports
WS-X4712-SFP+E	Prime Network-3.7.2-DP4	10GE SFP+ with 12 SFP+ ports

Table 12-43 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-X4612-SFP-E	Prime Network-3.7.2-DP4	1000BaseX (SFP) with 12 SFP Ports Jumbo Frame Support
WS-X4640-CSFP-E	Prime Network-3.7.2-DP4	1000BaseX with 40-port SFP/80-port C-SFP Jumbo Frame Support

¹Tested by John C(PLM).Refer bug-CSCtg86953

Cisco Catalyst 4500 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4500 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [VPN \(VRF\), page 12-169](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)

Cisco Catalyst 4500 Series—Supported Service Events

Table 12-44 Supported Service Events for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Port Down Due to Admin	3.8	N
Port Up	3.8	N
Power Supply Down	3.8	N
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N

Table 12-44 Supported Service Events for Cisco Catalyst 4500 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y

Cisco Catalyst 4900 Series Switches

This section includes the following information about Cisco Catalyst 4900 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 4900 Series Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 4900 Series—Supported Software Versions, page 12-37](#)
- [Cisco Catalyst 4900 Series—Supported Topologies, page 12-38](#)
- [Cisco Catalyst 4900 Series—Supported Modules, page 12-38](#)
- [Cisco Catalyst 4900 Series—Supported Technologies, page 12-44](#)
- [Cisco Catalyst 4900 Series—Supported Service Events, page 12-45](#)

Cisco Catalyst 4900 Series—Supported Software Versions

Table 12-45 Supported Software Versions for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.2(25)EWA	1 3.6.3
IOS 12.2(25)EWA2	2 3.6.3
IOS 12.2(25)EWA4	3 3.6.2
IOS 12.2(25)EWA6	4 3.6.2
IOS 12.2(31)SG	5 3.6.1
IOS 12.2(31)SGA1	6 3.6.1
IOS 12.2(50)SG	7 3.6.6
IOS 12.2(52)SG	8 3.7
IOS 12.2(53)SG	9 3.7.1
IOS 12.2(54)SG	3.7.1
IOS 12.2(53)SG1	3.7.1
IOS 12.2(53)SG4	Prime Network-3.7.2-DP2

Table 12-45 Supported Software Versions for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 15.0(2)SG	Prime Network-3.7.2-DP4

^{1, 2, 3, 4, 5, 6}Prime Network models pluggable ports for this IOS version.

^{7, 8, 9}Prime Network recognizes all maintenance builds in this IOS release train. Prime Network models pluggable ports for this IOS version.

Cisco Catalyst 4900 Series—Supported Topologies

Table 12-46 Supported Topologies for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.1
LAG	LAG	3.6.1
Physical Layer	Physical Layer	3.6.1
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 4900 Series—Supported Modules

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CAB-SM-LCSC-1M	3.6.1	1m fiber single-mode LC-to-SC connectors
CAB-SM-LCSC-5M	3.6.1	5m fiber single-mode LC-to-SC connectors
CSS5-CABLX-LCSC	3.6.1	Cisco CSS 11500 10m fiber single-mode LX LC-to-SC connectors
CSS5-CABSX-LC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC connectors
CSS5-CABSX-LCSC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC-to-SC connectors
CWDM-SFP-1470	3.6.1	Longwave 1470 nm laser single-mode
CWDM-SFP-1490	3.6.1	Longwave 1490 nm laser single-mode
CWDM-SFP-1510	3.6.1	Longwave 1510 nm laser single-mode
CWDM-SFP-1530	3.6.1	Longwave 1530 nm laser single-mode
CWDM-SFP-1550	3.6.1	Longwave 1550 nm laser single-mode
CWDM-SFP-1570	3.6.1	Longwave 1570 nm laser single-mode

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CWDM-SFP-1590	3.6.1	Longwave 1590 nm laser single-mode
CWDM-SFP-1610	3.6.1	Longwave 1610 nm laser single-mode
CWDM-SFP-XXXX	3.6.1	CWDM small form-factor pluggable module
DWDM-X2-30.33=	3.7	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
DWDM-X2-31.12=	3.7	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)
DWDM-X2-31.90=	3.7	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-32.68=	3.7	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)
DWDM-X2-34.25=	3.7	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-35.04=	3.7	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-35.82=	3.7	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-36.61=	3.7	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-38.19=	3.7	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-38.98=	3.7	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)
DWDM-X2-39.77=	3.7	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-40.56=	3.7	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-42.14=	3.7	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	3.7	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	3.7	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-44.53=	3.7	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	3.7	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	3.7	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)
DWDM-X2-47.72=	3.7	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-X2-48.51=	3.7	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	3.7	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	3.7	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	3.7	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	3.7	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)
DWDM-X2-54.13=	3.7	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	3.7	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	3.7	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	3.7	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	3.7	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	3.7	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)
DWDM-X2-59.79=	3.7	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
DWDM-X2-60.61=	3.7	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
GLC-BX-D	1 36.1	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	2 3.6.1	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-LH-SM	3 3.6.1	Gigabit Ethernet SFP, LC connector LH transceiver
GLC-SX-MM	4 3.6.1	Gigabit Ethernet SFP, LC connector SX transceiver
GLC-T	3.6.1	Gigabit Ethernet SFP, RJ-45 connector, 1000BASE-T transceiver
GLC-ZX-SM	5 3.6.1	Gigabit Ethernet SFP, LC connector ZX transceiver
PWR-C49M-1000AC	3.7	Cisco Catalyst 4900M AC Power Supply
PWR-C49M-1000DC	3.7	4900M DC power supply, 1000 watts module
WS-C4948	3.6.1	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 4 1000BaseX SFP ports

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-C4948-10GE	3.6.1	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 2 10Gbps X2 ports
WS-X4904-10GE	3.7	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 4 1000BaseX SFP ports
WS-X4908-10GE	3.7	Catalyst 4900M series, half height line card with 8 port 2:1 10GE interface
WS-X4908-10G-RJ45	3.7.1	4900M 8 port 10GBase-T (RJ-45) half card
WS-X4920-GB-RJ45	3.7	Catalyst 4900M series, half height line card with 20 port 10/100/1000 RJ45 interface
WS-X4992	3.7	Cisco Catalyst 4900M Spare Fan Tray
X2-10GB-CX4	6 3.6.1	10GBASE-CX4 single-mode X2 module
X2-10GB-ER	7 3.6.1	10GBASE-ER single-mode X2 module
X2-10GB-LR	8 3.6.1	10GBASE-LR single-mode X2 module
X2-10GB-LRM	3.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LX4	9 3.6.1	10GBASE-LX4 single-mode X2 module
X2-10GB-SR	10 3.6.1	10GBASE-SR single-mode X2 module
X2-10GB-ZR	3.7	10GBASE-ZR X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GE-CX4	3.6.1	10GBASE-CX4 X2 Module
X2-10GE-ER	3.6.1	10GBASE-ER X2 Module
X2-10GE-LR	3.7	10GBASE-LR X2 Module
X2-10GE-LX4	3.6.1	10GBASE-LX4 X2 Module
X2-10GE-SR	3.6.1	10GBASE-SR X2 Module
WS-X4908-10G-RJ45	¹¹ Prime Network-3.7.2-DP4	Cisco Catalyst 4900M 8-port 10GBASE-T module (RJ45)
WS-X4612-SFP-E	Prime Network-3.7.2-DP4	Cisco Catalyst 4500E Series 12-port GE (SFP)
WS-X4712-SFP+E	Prime Network-3.7.2-DP4	Cisco Catalyst 4500E Series 12-port 10GE (SFP+)
WS-X4640-CSFP-E	Prime Network-3.7.2-DP4	10GBaseT(RJ45),1000BaseT(RJ45) with 8 10G RJ45 ports

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
WS-X45-SUP7-E	Prime Network-3.7.2-DP4	Cisco Catalyst 4500E Series Supervisor Engine 7-E
DWDM-SFP-5655	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1556.55 nm
DWDM-SFP-5575	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1555.75 nm
DWDM-SFP-5494	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1554.94 nm
DWDM-SFP-5413	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1554.13 nm
DWDM-SFP-5252	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1552.52 nm
DWDM-SFP-5172	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1551.72 nm
DWDM-SFP-5092	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1550.92 nm
DWDM-SFP-5012	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1550.12 nm
DWDM-SFP-4851	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1548.51 nm
DWDM-SFP-4772	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1547.72 nm
DWDM-SFP-4692	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1546.92 nm
DWDM-SFP-4612	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1546.12 nm
DWDM-SFP-4453	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1544.53 nm

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-SFP-4373	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1543.73 nm
DWDM-SFP-4294	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1542.94 nm
DWDM-SFP-4214	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1542.14 nm
DWDM-SFP-4056	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1540.56 nm
DWDM-SFP-3977	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1539.77 nm
DWDM-SFP-3898	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1538.98 nm
DWDM-SFP-3819	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1538.19 nm
DWDM-SFP-3661	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1536.61 nm
DWDM-SFP-3582	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1535.82 nm
DWDM-SFP-3504	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1535.04 nm
DWDM-SFP-3425	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1534.25 nm
DWDM-SFP-3268	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1532.68 nm
DWDM-SFP-3190	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1531.90 nm
DWDM-SFP-3112	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1531.12 nm

Table 12-47 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
DWDM-SFP-3033	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1530.33 nm
DWDM-SFP-6141	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1561.41 nm
DWDM-SFP-5736	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1557.36 nm
DWDM-SFP-5332	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1553.32 nm
DWDM-SFP-4931	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1549.31 nm
DWDM-SFP-4532	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1545.32 nm
DWDM-SFP-4134	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1541.34 nm
DWDM-SFP-3739	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1537.39 nm
DWDM-SFP-3346	Prime Network-3.7.2-DP4	1000BASE-DWDM SFP 1533.46 nm

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}Support verified in Prime Network 3.7

¹¹Support verified in Prime Network 3.7.2 DP4

Cisco Catalyst 4900 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4900 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [VPN \(VRF\), page 12-169](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)

- [Port](#), page 12-181
- [Additional Technologies](#), page 12-182
- [LLDP](#), page 12-185
- [CDP](#), page 12-186

Cisco Catalyst 4900 Series—Supported Service Events

Table 12-48 Supported Service Events for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	N
Active IP Interfaces Found	3.6.1	N
BGP Link Down Due to Admin Down	3.6.1	N
BGP Link Down Due to Oper	3.6.1	N
BGP Link Down VRF Due to Admin	3.6.1	N
BGP Link Down VRF Due to Oper	3.6.1	N
BGP Link Up	3.6.1	N
BGP Neighbor Loss Due to Admin	3.6.1	N
BGP Neighbor Loss Due to Oper	3.6.1	N
BGP Neighbor Found	3.6.1	N
BGP Process Down	3.6.1	N
BGP Process Up	3.6.1	N
Card Down	3.6.1	N
Card Up	3.6.1	N
Card Out	3.6.1	N
Card In	3.6.1	N
Device Partially Managed	3.6.1	N
Device Unsupported	3.6.1	N
Discard Packets	3.6.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.1	N
Keepalive Set	3.6.1	N
GRE Tunnel Down	3.6.1	N
GRE Tunnel Up	3.6.1	N
Primary HSRP Interface Is Active	3.6.1	N
Primary HSRP Interface Is Not Active	3.6.1	N
Secondary HSRP Interface Is Active	3.6.1	N

Table 12-48 Supported Service Events for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Secondary HSRP Interface Is Not Active	3.6.1	N
L2TP Peer Not Established	3.6.1	N
L2TP Peer Is Removed	3.6.1	N
L2TP Peer Established	3.6.1	N
Lag Admin Down	3.6.1	N
Lag Link Admin Down	3.6.1	N
Lag Link Up	3.6.1	N
Layer 2 Tunnel Up	3.6.1	N
LDP Neighbor Down	3.6.1	N
LDP Neighbor Up	3.6.1	N
Link Down Due to Admin Down	3.6.1	N
Link Down Due to Oper Down	3.6.1	N
Link Down Due to Card Event	3.6.1	N
Link Down on Unreachable	3.6.1	N
Link Up	3.6.1	N
Link Overutilized	3.6.1	N
Link Utilization Normal	3.6.1	N
Logical Port Down	3.6.1	N
Logical Port Up	3.6.1	N
High Priority Member Down	3.6.1	N
Medium Priority Member Down	3.6.1	N
Low Priority Member Down	3.6.1	N
Memory Overutilized	3.6.1	N
Memory OK	3.6.1	N
MPLS Interface Added	3.6.1	N
MPLS Interface Removed	3.6.1	N
High Priority MPLS TE Tunnel Down	3.6.1	N
Medium Priority MPLS TE Tunnel Down	3.6.1	N
Low Priority MPLS TE Tunnel Down	3.6.1	N
MPLS TE Tunnel Up	3.6.1	N
OSPF Neighbor Down	3.6.1	N
OSPF Neighbor Up	3.6.1	N
Port Down Due to Admin	3.6.1	N
Port Down Due to Oper	3.6.1	N

Table 12-48 Supported Service Events for Cisco Catalyst 4900 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Port Down Due to Card Event	3.6.1	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.6.1	N
REP Port Role Failed	3.6.1	Y
REP Port Role Ok	3.6.1	Y
Rx Dormant	3.6.1	N
Rx Dormant Normal	3.6.1	N
Rx Overutilized	3.6.1	N
Rx Utilization Normal	3.6.1	N
Shelf In	3.6.1	N
Shelf Out	3.6.1	N
Tx Dormant	3.6.1	N
Tx Dormant Normal	3.6.1	N
Tx Overutilized	3.6.1	N
Tx Utilization Normal	3.6.1	N

Cisco ME 4900 Series Ethernet Switch

This section includes the following information about Cisco 4924 ME switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ME 4900 Series Ethernet Switch](#)):

This section contains the following topics:

- [Cisco 4924 ME—Supported Software Versions, page 12-47](#)
- [Cisco 4924 ME—Supported Topologies, page 12-48](#)
- [Cisco 4924 ME—Supported Modules, page 12-48](#)
- [Cisco 4924 ME—Supported Technologies, page 12-50](#)
- [Cisco 4924 ME—Supported Service Events, page 12-50](#)

Cisco 4924 ME—Supported Software Versions

Table 12-49 Supported Software Versions for Cisco 4924 ME—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2(25)EWA	1 3.6.3
12.2(25)EWA4	2 3.6.3
12.2(25)EWA6	3 3.6.3

Table 12-49 Supported Software Versions for Cisco 4924 ME—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
12.2(31)SG	4 3.6.3
12.2(31)SGA1	5 3.6.3
12.2(46)SG	6 3.6.6
12.2(50)SG	7 3.6.6
12.2(53)SG	8 3.7
12.2(53)SG2	3.7.1
12.2(53)SG3	Prime Network-3.7.2-DP1

^{1, 2, 3, 4, 5, 6, 7, 8}Prime Network models pluggable ports for this IOS version.

Cisco 4924 ME—Supported Topologies

Table 12-50 Supported Topologies for Cisco 4924 ME—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.1
LAG	LAG	3.8
Physical Layer	Physical Layer	3.6.1
L2 Fabric	L2 Fabric Link	Prime Network 4.2

Cisco 4924 ME—Supported Modules

Table 12-51 Supported Modules for Cisco 4924 ME—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CAB-SM-LCSC-1M	3.6.1	1m fiber single-mode LC-to-SC connectors
CAB-SM-LCSC-5M	3.6.1	5m fiber single-mode LC-to-SC connectors
CSS5-CABLX-LCSC	3.6.1	Cisco CSS 11500 10m fiber single-mode LX LC-to-SC connectors
CSS5-CABSX-LC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC connectors

Table 12-51 Supported Modules for Cisco 4924 ME—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
CSS5-CABSX-LCSC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC-to-SC connectors
CWDM-SFP-1470	3.6.1	Cisco CWDM SFP 1470 nm; Gigabit Ethernet and 1G/2G FC (gray)
CWDM-SFP-1490	3.6.1	Cisco CWDM SFP 1490 nm; Gigabit Ethernet and FC (violet)
CWDM-SFP-1510	3.6.1	Cisco CWDM SFP 1510 nm; Gigabit Ethernet and 1G/2G FC (blue)
CWDM-SFP-1530	3.6.1	Cisco CWDM SFP 1530 nm; Gigabit Ethernet and 1G/2G FC (green)
CWDM-SFP-1550	3.6.1	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC (yellow)
CWDM-SFP-1570	3.6.1	Cisco CWDM SFP 1570 nm; Gigabit Ethernet and 1G/2G FC (orange)
CWDM-SFP-1590	3.6.1	Cisco CWDM SFP 1590 nm; Gigabit Ethernet and 1G/2G FC (red)
CWDM-SFP-1610	3.6.1	Cisco CWDM SFP 1610 nm; Gigabit Ethernet and 1G/2G FC (brown)
GLC-BX-D	3.6.1	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	3.6.1	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-LH-SM	3.6.1	Gigabit Ethernet SFP, LC connector LH transceiver
GLC-SX-MM	3.6.1	Gigabit Ethernet SFP, LC connector SX transceiver
GLC-T	3.6.1	Gigabit Ethernet SFP, RJ-45 connector, 1000BASE-T transceiver
GLC-ZX-SM	3.6.1	Gigabit Ethernet SFP, LC connector ZX transceiver
ME-4924-10GE	3.6.1	Cisco ME 4924-10GE, IP Base software image (RIP, static routes), no power supply, fan tray
PWR-C49-300DC	3.6.6	Power Supply (DC 300W)
WS-X4991	3.6.6	Fan Tray
X2-10GE-CX4	3.6.1	10GBASE-CX4 X2 Module
X2-10GE-ER	3.6.1	10GBASE-ER X2 Module
X2-10GE-LR	3.6.1	10GBASE-LR X2 Module
X2-10GE-LX4	3.6.1	10GBASE-LX4 X2 Module
X2-10GE-SR	3.6.1	10GBASE-SR X2 Module

Cisco 4924 ME—Supported Technologies

The following technologies are supported by the Cisco 4924 ME in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [VPN \(VRF\), page 12-169](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)

Cisco 4924 ME—Supported Service Events

Table 12-52 Supported Service Events for Cisco 4924 ME—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.1	N
Active IP Interfaces Found	3.6.1	N
IMA Admin Down	3.6.1	N
IMA Oper Down	3.6.1	N
BGP Link Down Due to Admin Down	3.6.1	N
BGP Link Down Due to Oper	3.6.1	N
BGP Link Down VRF Due to Admin	3.6.1	N
BGP Link Down VRF Due to Oper	3.6.1	N
BGP Link Up	3.6.1	N
BGP Neighbor Loss Due to Admin	3.6.1	N
BGP Neighbor Loss Due to Oper	3.6.1	N
BGP Neighbor Found	3.6.1	N
BGP Process Down	3.6.1	N
BGP Process Up	3.6.1	N
Card Down	3.6.1	N
Card Up	3.6.1	N
Card Out	3.6.1	N
Card In	3.6.1	N
Device Partially Managed	3.6.1	N

Table 12-52 Supported Service Events for Cisco 4924 ME—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Device Unsupported	3.6.1	N
Discard Packets	3.6.1	N
Normal Discard Packets	3.6.1	N
Dropped Packets on Port	3.6.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.1	N
Keepalive Set	3.6.1	N
GRE Tunnel Down	3.6.1	N
GRE Tunnel Up	3.6.1	N
Primary HSRP Interface Is Active	3.6.1	N
Primary HSRP Interface Is Standby	3.6.1	N
Secondary HSRP Interface Is Active	3.6.1	N
Secondary HSRP Interface Is Not Active	3.6.1	N
L2TP Peer Not Established	3.6.1	N
L2TP Peer Is Removed	3.6.1	N
L2TP Peer Established	3.6.1	N
Lag Admin Down	3.6.1	N
Lag Up	3.6.1	N
Lag Link Admin Down	3.6.1	N
Lag Link Up	3.6.1	N
Layer 2 Tunnel Up	3.6.1	N
LDP Neighbor Down	3.6.1	N
LDP Neighbor Up	3.6.1	N
Link Down Due to Admin Down	3.6.1	N
Link Down Due to Oper Down	3.6.1	N
Link Down Due to Card Event	3.6.1	N
Link Down on Unreachable	3.6.1	N
Link Up	3.6.1	N
Link Overutilized	3.6.1	N
Link Utilization Normal	3.6.1	N
Logical Port Down	3.6.1	N
Logical Port Up	3.6.1	N
High Priority Member Down	3.6.1	N
Memory Overutilized	3.6.1	N

Table 12-52 Supported Service Events for Cisco 4924 ME—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Memory OK	3.6.1	N
MPLS Interface Added	3.6.1	N
MPLS Interface Removed	3.6.1	N
High Priority MPLS TE Tunnel Down	3.6.1	N
Medium Priority MPLS TE Tunnel Down	3.6.1	N
Low Priority MPLS TE Tunnel Down	3.6.1	N
MPLS TE Tunnel Up	3.6.1	N
OSPF Neighbor Down	3.6.1	N
OSPF Neighbor Up	3.6.1	N
Port Down Due to Admin	3.6.1	N
Port Down Due to Oper	3.6.1	N
Port Down Due to Card Event	3.6.1	N
Port Up	3.6.1	N
Sub Power Supply Down	3.6.1	N
Pluggable Transceiver In	3.6.1	N
Pluggable Transceiver Out	3.6.1	N
REP Port Role Failed	3.6.1	Y
REP Port Role Ok	3.6.1	Y
Rx Dormant Normal	3.6.1	N
Rx Overutilized	3.6.1	N
Rx Utilization Normal	3.6.1	N
Shelf In	3.6.1	N
Shelf Out	3.6.1	N
Tx Dormant Normal	3.6.1	N
Tx Overutilized	3.6.1	N
Tx Utilization Normal	3.6.1	N

Cisco Catalyst 5000 Series Switches

This section includes the following information about Cisco 5000 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 5000 Series Switches](#)):

This section contains the following topics:

- [Cisco 5000 Series—Supported Software Versions, page 12-53](#)
- [Cisco 5000 Series—Supported Topologies, page 12-53](#)
- [Cisco 5000 Series—Supported Technologies, page 12-53](#)

- [Cisco 5000 Series—Supported Service Events, page 12-53](#)

Cisco 5000 Series—Supported Software Versions

Table 12-53 Supported Software Versions for Cisco 5000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
4.5(15)	3.7

Cisco 5000 Series—Supported Topologies

Table 12-54 Supported Topologies for Cisco 5000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7
L2 Fabric	L2 Fabric Link	Prime Network 4.2

Cisco 5000 Series—Supported Technologies

The following technologies are supported by the Cisco 5000 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [CDP, page 12-186](#)

Cisco 5000 Series—Supported Service Events

Table 12-55 Supported Service Events for Cisco 5000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7	Y
Active IP Interfaces Found	3.7	Y

Table 12-55 Supported Service Events for Cisco 5000 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
BGP Process Up	3.7	N
Card Down	3.7	Y
Card Up	3.7	Y
Card Out	3.7	Y
Card In	3.7	Y
CPU Overutilized	3.7	N
Device Unsupported	3.7	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Link Up	3.7	N
Port Down Due to Admin	3.7	N
Power Supply Down	3.8	N
REP Port Role Failed		Y
REP Port Role Ok		Y

Cisco Catalyst 6500 Series (CatOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (CatOS) switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 6500 Series \(CatOS\) Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Software Versions](#), page 12-54
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Topologies](#), page 12-55
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Modules](#), page 12-55
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Technologies](#), page 12-58
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Service Events](#), page 12-58

Cisco Catalyst 6500 Series (CatOS)—Supported Software Versions

Table 12-56 Supported Software Versions for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Software Version	Product Version
6.4(10)	3.6.3
7.6(1)	3.6.3
7.6(8)	3.6.3

Table 12-56 Supported Software Versions for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
8.3(4)	3.6.3
8.4.1	3.6.3
8.5(1)	1 3.7
8.5(7)	3.7
IOS 15.1(2)SY8	4.3.2-DP170 1

¹Prime Network recognizes all maintenance builds in this CatOS release train.

Cisco Catalyst 6500 Series (CatOS)—Supported Topologies

Table 12-57 Supported Topologies for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.2
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	Prime Network 4.2

Cisco Catalyst 6500 Series (CatOS)—Supported Modules

Table 12-58 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
AIP	3.6.0	ATM Interface Processor
CAT6509	3.6.0	Catalyst 6500 Plus with 9 slots
CAT6K-MSFC	3.6.0	Multilevel Switching Feature Card for the Catalyst 6000 series
CAT6K-MSFC2	3.6.0	Multilevel Switching Feature Card Version 2 for the Catalyst 6000 series
CAT6K-WSF-6700-CFC	3.6.0	Catalyst 6500 centralized Forwarding Card
CAT6K-WSF-6K-DFC3A	3.6.0	Catalyst 6500 Distributed L3 switching engine IIIa
CAT6K-WSF-6K-PFC3A	3.6.0	Catalyst 6500 Centralized L3 switching engine IIIa

Table 12-58 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CAT6K-WSF-6K-VPWR-GE	3.6.0	Cat6k voice daughter cards
CAT6K-WS-SUP32-GE-3B	3.6.0	cat6k-ws-sup32-ge-3b
CAT6K-WS-SUP720	3.6.0	Catalyst 6500 Supervisor Module 720 CPU board
CAT6K-WS-SUP720-BASE	3.6.0	Catalyst 6500 Supervisor Module 720 base board
CAT6K-WS-SVC-IDSM2	3.6.0	Catalyst 6500 Intrusion Detection Module
CAT6K-WSX-6066-SLB-APC	3.6.0	Content Switching Module
CAT6K-WSX-6148-GE-TX	3.6.0	Catalyst 6000 48 port10/100/1000BaseT(RJ-45) module
CAT6K-WSX-6148-RJ45	3.6.0	48 port10/100BaseTX(RJ-45) module
CAT6K-WSX-6248A-RJ45	3.6.0	Catalyst 6000 48-port 10/100BaseTX RJ-45
CAT6K-WSX-6248-RJ45	3.6.0	Catalyst 6000 Family 48-port 10/100 RJ-45 module
CAT6K-WSX-6348-RJ45	3.6.0	48-port 10/100 ethernet module
CAT6K-WSX-6416-GBIC	3.6.0	16-port GBIC Gigabit ethernet module
CAT6K-WSX-6515-GETX	3.6.0	Catalyst 6500 16 port 10/100/1000BaseT (RJ-45) module
CAT6K-WSX-6516A-GBIC	3.6.0	Catalyst 6500 16 port 1000BaseX (GBIC)
CAT6K-WSX-6516-GBIC	3.6.0	Catalyst 6500 16 port 1000BaseX GBIC
CAT6K-WSX-6524-MMMT	3.6.0	Catalyst 6500 24 port 100BaseX MM (MT-RJ) module
CAT6K-WSX-6548-GETX	3.6.0	Catalyst 6500 48 port 10/100/1000 (RJ-45)
CAT6K-WSX-6548-RJ21	3.6.0	Catalyst 6500 48 port 10/100BaseTX (RJ-21)
CAT6K-WSX-6548-RJ45	3.6.0	48 port 10/100 Hydra2+/Hydra2V+
CAT6K-WSX-6704-10GE	3.6.0	Catalyst 6500 4 port 10 GE
CAT6K-WSX-6724-SFP	3.6.0	Catalyst 6500 24 port 1000Base FX (SFP GBIC)
CAT6K-WSX-6748-GETX	3.6.0	Catalyst 6500 48 port 10/100/1000 (RJ-45)
CAT6K-WSX-SUP1A-2GE	3.6.0	Catalyst 6500 2 port 1000BaseX Supervisor module (GBIC)
CAT6K-WSX-SUP2-2GE	3.6.0	Supervisor 2 with 2 Gigabit Ethernet ports
CATALYST 6500 FIREWALL MODULE	3.6.0	Catalyst 6500 Firewall Module
CEF720 48 PORT 1000MB SFP	3.6.0	Catalyst 6500 48 port 1000Base FX (SFP GBIC)
FSIP	3.6.0	Fast Serial Interface processor
HDV	3.6.0	High Density Voice module
MIP	3.6.0	MultiChanel Interface Processor
MSFC2A ROUTE ENGINE	3.6.0	MSFC2A Route Engine
OC192-POS-RPR1-SM-VSR-S PA	3.6.0	1 port OC-192c/STM-64 POS/RPR single mode very short reach Shared Port Adapter =SPA=

Table 12-58 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
PA-1T3-PLUS	3.6.0	pa-1t3-plus
PA-2FEISL-TX	3.6.0	pa-2feisl-tx
PA-2T3-PLUS	3.6.0	pa-2t3-plus
PA-8CE1	3.6.0	pa-8ce1
PA-A4T	3.6.0	pa-a4t
PA-A8T-V35	3.6.0	pa-a8t-v35
PA-AH1T	3.6.0	pa-ah1t
PA-AH2T	3.6.0	pa-ah2t
PA-ATMDX-DS3	3.6.0	pa-atmdx-ds3
PA-ATMDX-E3	3.6.0	pa-atmdx-e3
PA-ATMDX-MM-OC3	3.6.0	pa-atmdx-mm-oc3
PA-ATMDX-SMI-OC3	3.6.0	pa-atmdx-smi-oc3
PA-ATMDX-SML-OC3	3.6.0	pa-atmdx-sml-oc3
PA-CE3	3.6.0	pa-ce3
PA-POSSW-LR	3.6.0	pa-poss-w-lr
PA-POSSW-MM	3.6.0	pa-poss-w-mm
PA-POSSW-SM	3.6.0	pa-poss-w-sm
PM-1FE-1T1	3.6.0	pm-1fe-1t1
POLICY FEATURE CARD 3	3.6.0	Policy Feature Card 3
POS-OC12-MM	3.6.0	pos-oc12-mm
RP	3.6.0	ROMmon Recovery Procedure
SPA-10X1GE	3.6.1	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1XTENGE-XFP	3.6.1	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics
SPA-2XOC3-ATM	3.6.1	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-4XOC3-ATM	3.6.1	4-port OC-3c/STM-1c ATM SPA
TRIP	3.6.0	trip
VPN MODULE	3.6.0	VPN Module
VPN MODULE SUPPORTING 3DES	3.6.0	VPN Module supporting 3DES
WS-C6500-SFM	3.6.0	Switch Fabric Module
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-F6K-PWR	3.6.0	CATALYST 6000 INLINE POWER CARD, REF

Table 12-58 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-SUP720-3BXL	3.6.0	Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3BXL
WS-SVC-ADM-1-K9=	3.6.0	Catalyst 6500 Cisco Anomaly Detection Module
WS-SVC-AGM-1-K9=	3.6.0	Catalyst 6500 Cisco Anomaly Guard Module
WS-SVC-IDS2-BUN-K9	3.6.0	Cisco Catalyst 6500 Series Intrusion Detection System (IDS2) Service Module
WS-SVC-SSL-1-K9=	3.6.0	SSL Module for Catalyst 6500
WS-X6148-FE-SFP	3.6.0	Cisco Catalyst 6500 48-port 100BASE-X SFP Module
WSX-6408A-GBIC	3.6.0	Catalyst 6000 8-port Gigabit Ethernet Module
WSX-6408-GBIC	3.6.0	Card with 8 Gigabit Ethernet ports for the Catalyst 6000 series
WS-X6500-SFM2	3.6.0	Switch Fabric Module 2
WVIC-2DSU-T1(V2)	3.6.0	wvic-2dsu-t1(V2)

Cisco Catalyst 6500 Series (CatOS)—Supported Technologies

The following technologies are supported by the Cisco Catalyst 6500 Series (CatOS) in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Frame Relay, page 12-158](#)
- [PPP, page 12-159](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [CDP, page 12-186](#)

Cisco Catalyst 6500 Series (CatOS)—Supported Service Events

Table 12-59 Supported Service Events for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Up	3.6.0	N
Card Down	3.6.0	Y

Table 12-59 Supported Service Events for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Card Up	3.6.0	Y
Card Out	3.6.0	Y
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
CPU Normal Utilization	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
Power Supply Down	3.8	N
Power Supply Up	3.8	N

Cisco Catalyst 6500 Series (IOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (IOS) switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 6500 Series \(IOS\) Switches](#)):

This section contains the following topics:

- [Cisco Catalyst 6500 Series \(IOS\)—Supported Software Versions, page 12-59](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Topologies, page 12-61](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Modules, page 12-61](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Technologies, page 12-68](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Service Events, page 12-69](#)

Cisco Catalyst 6500 Series (IOS)—Supported Software Versions

Table 12-60 Supported Software Versions for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Software Version	Product Version
IOS 12.1	3.6.1
IOS 12.1(13)E6	3.6.2
IOS 12.1(20)E3	3.6.2
IOS 12.2	1 3.6.1

Table 12-60 Supported Software Versions for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOS 12.2(17d)SXB	3.6.1
IOS 12.2(18)SXD2	3.6.2
IOS 12.2(18)SXD5	3.6.2
IOS 12.2(18)SXE	2 3.6.1
IOS 12.2(18)SXF	3 3.6.1
IOS 12.2(18)SXF7	43.6.2
IOS 12.2(33)	5 3.6.1
IOS 12.2(33)SRA	6 3.6.1
IOS 12.2(33)SRA6	7 3.6.3
IOS 12.2(33)SXH	8 3.6.3
IOS 12.2(33)SXH1	9 3.6.3
IOS 12.2(33)SXH2	10 3.6.6
IOS 12.2(33)SXH2a	11 3.6.5
IOS 12.2(33)SXI	12 3.6.4
starts with 12.2(SIERRA)	13 3.6.1
IOS 12.2(33)SXI5	Prime Network-3.7.2-DP3
IOS 12.2(33)SXI2a	Prime Network-3.7.2-DP3
IOS 12.2(33)SXH8	Prime Network-3.7.2-DP3
IOS 12.2(18)SXF17a	Prime Network-3.7.2-DP3
IOS 12.2(50)SY	ANA 3.7.x-DP08

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 Prime Network models pluggable ports for this IOS version.

Cisco Catalyst 6500 Series (IOS)—Supported Topologies

Table 12-61 Supported Topologies for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
LAG	LAG	3.6.0
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.0
PWE3 (Martini)	Tunnel	3.6.0
VPN (VRF)	VPN	3.6.0
L2 Fabric	L2 Fabric Link	4.2

Cisco Catalyst 6500 Series (IOS)—Supported Modules

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
4000W-DC	3.6.2	4000W DC PS for 7609/7613Chassis
6000W-DC	3.6.2	6000W DC PS
7600-ES+40G3C	3.6.7	7600 ES+ Line Card, 40xGE SFP with DFC 3C
7600-ES20	3.6.1	Cisco 7600 Series Ethernet Services Card
7600-ES20-10G3C	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3C
7600-ES20-10G3CXL	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3CXL
7600-ES20-GE3C	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3C
7600-ES20-GE3CXL	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3CXL
7600-ES20-PROC	3.6.1	7600 ES20 PROC FRU
7600-ES40-G3CXL	3.6.4	7600 ES+ Line Card, 40xGE SFP with DFC 3CXL
7600-MSFC4	3.6.1	c7600 MSFC4 Daughterboard
7600-SIP-200	3.6.0	SPA Interface Processor-200
7600-SIP-400	3.6.0	SPA Interface Processor-400
7600-SIP-600	3.6.0	SPA Interface Processor-600
7600-SSC-400	3.6.3	Cisco 7600 / Catalyst 6500 Services SPA Carrier Card-400 Rev. 2.0

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
76-ES+T-20G	3.7.1	7600 ES+T Fixed 20x1G Low Queue Transport 3CXL
76-ES+T-2TG	3.7.1	7600 ES+T Fixed OTN/DWDM+FEC 2x10GE 3C XL Low Queue Transport 3CXL
76-ES+T-40G	3.7.1	7600 ES+T Fixed 40x1G Low Queue Transport 3CXL
76-ES+T-4TG	3.7.1	7600 ES+T Fixed OTN/DWDM+FEC 4x10GE 3C XL Low Queue Transport 3CXL
76-ES+XC-20G3C	3.7	7600 ES+XC Combo 10x1GE/ 1x10GE, DFC3CXL
76-ES+XC-20G3CXL	3.7	7600 ES+XC Combo 10x1GE/ 1x10GE, DFC3CXL
76-ES+XC-40G3C	3.7	Combo 20x1GE/2x10GE - 3C
76-ES+XC-40G3CXL	3.7	Combo 20x1GE/2x10GE - 3CXL
ACE20-MOD-K9	3.6.3	Application Control Engine 20 Hardware
CAT6500FIREWALLSM	3.6.2	Cisco Catalyst 6500 Series Firewall Services Module
CAT6500SSLSM	3.6.2	Cisco Catalyst 6500 Series SSL Services Module
CEVFAN	3.6.1	Fan
DFC-3C	3.6.1	Distributed Forwarding Card 3C
FAN-MOD-09	3.6.4	Catalyst 6509-NEB-A Fan Tray
GLC_BX-U	3.6.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
GLC-BX-D	3.6.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-LH-SM	3.6.4	Short Wave fiber Gigabit Ethernet
MSFC4	3.6.2	Multilayer Switch Feature Card
OSM-12CT3T1	3.6.0	12-port channelized/unchannelized CT3-T1
OSM-1CHOC12T3-SI	3.6.0	1-port channelized OC-12, SM-IR
OSM-1OC48-POS-SI+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-IR
OSM-1OC48-POS-SL+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-LR
OSM-1OC48-POS-SS+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-SR
OSM-2+4GE-WAN+	3.6.0	4-port Gigabit Ethernet WAN (GBIC) with two Layer 2 LAN ports; CEF256
OSM-2OC12-ATM-MM+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, MM
OSM-2OC12-ATM-SI+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, SM-IR
OSM-2OC12-POS-SI+	3.6.0	Enhanced 2-port OC-12c/STM-4c POS, SM-IR; CEF256
OSM-4OC12-POS-SI+	3.6.0	Enhanced 4-port OC-12c/STM-4c POS, SM-IR; CEF256

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
OSM-4OC3-POS-SI+	3.6.0	Enhanced 4-port OC-3c/STM-1c POS, SM-IR;
PA-1FE-FX	3.6.0	1-port Fast Ethernet port adapter
PA-1FE-TX	3.6.0	1-port Fast Ethernet port adapter
PA-2CE/PRI	3.6.1	Not Found
PA-2FE-TX	3.6.0	2-port Fast Ethernet port adapter
PA-4T+	3.6.0	T1/E1 port adapters
PA-A3-E3	3.6.0	ATM with traffic shaping port adapters
PA-A3-T3	3.6.0	ATM with traffic shaping port adapters
PA-MC-2E1/120	3.6.1	2 port multichannel E1 port adapter with G.703 120ohm interf
PA-MC-4T1	3.6.0	T1/E1 port adapters
PA-MC-8T1	3.6.0	T1/E1 port adapters
PA-MC-STM-1	3.6.0	Multichannel STM-1 port adapters
PA-MCX-8TE1	3.6.1	8 port multichannel T1/E1 8PRI port adapter
PA-POS-2OC3	3.6.0	2-port POS OC3c/STM1 port adapter
PFC-3C	3.6.2	Policy Feature Card 3C
PFC-3CXL	3.6.1	Policy Feature Card 3Cxl (PFC3CXL)
PWR-2700-AC/4	3.6.4	2700W AC power supply for Cisco Catalyst 6504-E
PWR-2700-DC/4	3.6.2	2700W DC Power Supply for Cisco 6504-E
PWR-4000-DC	3.6.4	Cisco 4000 Watt DC power supply for Catalyst 6000
RSP720-3C-10GE	3.7	Cisco 7600 Series RSP 720-10GE with 10 Gigabit Ethernet Uplinks that includes PFC-3C and Multilayer Switch Feature Card (MSFC4)
RSP720-3C-GE	3.6.1	Route Switch Processor 720 with PFC3C
RSP720-3CXL	3.6.4	Catalyst 6500 Supervisor Module 720 base board
RSP720-3CXL-10GE	3.7	Cisco 7600 Series RSP 720-10GE with 10 Gigabit Ethernet Uplinks that includes PFC-3CXL and Multilayer Switch Feature Card (MSFC4)
SFP-GE-L	3.6.4	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP
SFP-GE-T	3.6.7	1000BASE-T Copper gigabit ethernet SFP
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP
SFP-OC3-IR1	3.6.0	Intermediate range, single-mode fiber
SFP-OC3-LR1	3.6.0	Long range, single-mode fiber
SFP-OC3-MM	3.6.0	Short range, multimode†fiber
SFP-OC3-SR	3.6.1	OC3/STM1 SFP, Single-mode fiber, Short Reach
SPA-10X1GE	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
SPA-10X1GE-V2	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1XCHSTM1/OC3	3.6.0	1-port Channelized STM1/OC3 to DS0 SPA
SPA-1XOC12-ATM	3.6.0	1-Port OC-12c/STM-4c ATM SPA
SPA-1XOC12-POS	3.6.0	1-port OC-12c/STM-4c POS SPA
SPA-1XOC48-ATM	3.6.0	1 port OC-48c/STM-16 ATM SPA
SPA-1XTENGE-XFP	3.6.0	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics
SPA-24CHT1-CE-ATM	3.6.0	24-Port Channelized T1/E1/J1 ATM CEoP SPA
SPA-2X1GE	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2X1GE-V2	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2XCT3/DS0	3.6.0	2-port Channelized T3 to DS0 SPA
SPA-2XOC3-ATM	3.6.0	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC3-POS	3.6.0	2-port OC-3c/STM-1c POS SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-2XOC48POSRPR	3.6.0	2 port OC-48 POS/RPR SPA with SFP Optics
SPA-2XT3/E3	3.6.0	2-port Clear Channel T3/E3 SPA
SPA-4X1FE-TX-V2	3.6.0	4-port 10/100 Ethernet SPA TX
SPA-4XCT3/DS0	3.6.0	4-port Channelized T3 to DS0 SPA
SPA-4XOC3-ATM	3.6.0	4-port OC-3c/STM-1c ATM SPA
SPA-4XOC3-POS	3.6.0	4-port OC-3c/STM-1c POS SPA
SPA-4XOC48POSRPR	3.6.0	4-port OC-48c/STM-16 POS/DPT/RPR SPA
SPA-4XT3/E3	3.6.0	4-port Clear Channel T3/E3 SPA
SPA-5X1GE	3.6.0	5-port Gigabit Ethernet SPA, SFP Optics
SPA-5X1GE-V2	3.6.2	5-Port Gigabit Ethernet Shared Port Adapter
SPA-8X1FE-TX-V2	3.6.0	8-port 10/100 Ethernet SPA TX
SPA-8XCHT1E1	3.6.0	8-Port Channelized T1/E1 SPA
SPA-CHOC3-CE-ATM	3.6.2	1-port Channelized OC3/STM-1 ATM + Circuit Emulation Shared Port Adapter
SPA-OC192POS-LR	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, SM-LR
SPA-OC192POS-XFP	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, XFP Optics
VS-S720-10G-3C	3.6.1	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C
VS-S720-10G-3CXL	3.6.1	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C XL

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-6700-DFC3B	3.6.1	Catalyst 6500 Distributed forwarding card 3B
WS-6700-DFC3BXL	3.6.1	Catalyst 6500 Distributed forwarding card 3B XL
WS-C6000-CL	3.7	Cisco Catalyst 6000 Clock FRU
WS-C6503-E-FAN	3.6.4	Catalyst 6503-E Chassis Fan Tray
WS-C6506-E-FAN	3.6.4	Catalyst 6506 - E chassis fan Tray
WS-C6509-E-FAN	3.6.0	High-capacity fan tray
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-C6509-NEB-FAN	3.6.4	Catalyst 6509-NEB Fan Tray for 9-Vertical-Slot System
WS-C6509-V-E-FAN	3.6.4	Catalyst 6509-V-E Fan Tray
WS-C6513-CL	3.7	Cisco Clock Module WS-C6513-CL
WS-C6K-13SLT-FAN2	3.6.0	High Speed Fan Tray for Catalyst 6513 / Cisco 7613
WS-C6K-VTT	3.7	Catalyst 6000 VTT Module
WS-CAC-2500W	3.6.4	Catalyst 6500 2500W AC power supply
WS-CAC-3000W	3.6.4	Catalyst 6500 3000W AC power supply
WS-CAC-4000W-INT	3.6.3	4000W AC PowerSupply, International (cable included)
WS-CAC-6000W	3.6.0	6000W AC power supply
WS-CDC-2500W	3.6.4	Cisco 2500 Watt DC power supply for Catalyst 6000 or 8500 series
WS-F6700-DFC3A	3.6.1	Distributed Forwarding Card 3
WS-F6700-DFC3BXL	3.6.0	Distributed Forwarding Card 3BXL (DFC3BXL) for use on CEF720 modules
WS-F6700-DFC3C	3.6.0	Distributed Forwarding Card 3C (DFC3C) for use on CEF720 modules
WS-F6700-DFC3CXL	3.6.0	Distributed Forwarding Card 3CXL (DFC3CXL) for use on CEF720 modules
WS-F6K-FE48X2-AF	3.6.0	IEEE 802.3af PoE daughter card
WS-F6K-GE48-AF	3.6.0	IEEE 802.3af PoE daughter card
WS-F6K-MSFC2	3.6.1	Multilevel Switching Feature Card Version 2 for Catalyst 6000 that is treated as a standalone system by the NMS
WS-F6K-PFC2	3.6.1	Catalyst 6500 L3 switching engine II
WS-F6K-PFC3BXL	3.6.0	Policy Feature Card 3BXL (PFC3BXL)
WS-F6K-PFC3CXL	3.6.0	Policy Feature Card 3CXL (PFC3CXL)
WS-F6K-VPWR	3.6.0	PoE Daughter card
WS-F6K-VPWR-GE	3.6.0	PoE Daughter card
WS-G5486	3.6.4	Long Haul fiber Gigabit Ethernet

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-G6483	3.6.0	10GBASE-ER serial 1550 nm extended-reach OIM
WS-G6488	3.6.0	10GBASE-LR serial 1310 nm long-reach OIM
WS-SUP32-10GE-3B	3.6.0	Supervisor Engine 32
WS-SUP32-GE-3B	3.6.0	Supervisor Engine 32
WS-SUP720-3B	3.6.0	Supervisor Engine 720 with PFC3B
WS-SUP720-3BXL	3.6.0	Supervisor Engine 720 with PFC3BXL
WS-SVC-FWM-1	3.6.0	Catalyst 6500 Firewall Module
WS-SVC-IDS2-BUN-K9	3.6.1	Cisco Catalyst 6500 Series Intrusion Detection System (IDSM-2) Service Module
WS-SVC-IDSM-2	3.6.1	Catalyst 6500 Intrusion Detection Module
WS-SVC-MWAM-1	3.6.0	Multi-Processor WAN Application Module
WS-SVC-NAM-1	3.6.0	Network Analysis module 1
WS-SVC-NAM-2	3.6.0	Network Analysis module 2
WS-X6148A-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148A-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148FE-SFP	3.6.1	Catalyst 6500 48 port 100Base-X SFP module
WS-X6148-FE-SFP	3.6.0	48 port 100BASE-FX Fast Ethernet Switching Module
WS-X6148-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6148-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148X2-RJ-45	3.6.0	96 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6196-RJ-21	3.6.0	96 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6248A-TEL	3.6.0	48 port 10/100TX RJ-21 Enhanced Ethernet/Fast Ethernet Switching Module
WS-X6248-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6248-TEL	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6316-GE-TX	3.6.0	16-port Gigabit Ethernet RJ-45
WS-X6324-100FX-SM	3.6.0	24 port 100FX Single Mode Fast Ethernet Switching Module

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-X6348-RJ-21	3.6.0	6500 48 port 10/100BaseTX (RJ-21)
WS-X6348-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6408A-GBIC	3.6.0	8-port Gigabit Ethernet GBIC Enhanced QoS Module
WS-X6408-GBIC	3.6.0	8-port Gigabit Ethernet GBIC
WS-X6416-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6502-10GE	3.6.0	1-port 10-Gigabit Ethernet
WS-X6516A-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GE-TX	3.6.0	16 port 10/100/1000 Base-T Ethernet Switching Module
WS-X6548-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6548-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6548-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6582-2PA	3.6.0	Enhanced FlexWAN Module;
WS-X6700-CFC	3.6.0	Centralized Forwarding Card
WS-X6704-10GE	3.6.0	4-port 10-Gigabit Ethernet
WS-X6708-10G-3C	3.6.1	C6K 8 port 10 Gigabit Ethernet module with DFC3C (req. X2)
WS-X6708-10GE	3.6.3	C6K 8 port 10 Gigabit Ethernet module with DFC
WS-X6724-SFP	3.6.0	24-port Gigabit Ethernet SFP
WS-X6748-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6748-SFP	3.6.0	48-port Gigabit Ethernet SFP
WS-X6816-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6K-S1A-MSFC2	3.6.1	Catalyst 6000 Supervisor Engine 1A, 2 Gigabit Ethernet, plus MSFC2 and policy feature card (PFC)
WS-X6K-S2-MSFC2	3.6.1	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 / PFC-2
WS-X6K-SUP2-2GE	3.6.1	Supervisor 2 with 2 Gigabit Ethernet ports
X2-10GB-SR	3.6.5	10GBASE-SR Serial 850-nm short-reach multimode (MMF)
XENPAK-10GB-ER	3.6.0	10GBASE-ER Serial 1550-nm extended-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)

Table 12-62 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
XENPAK-10GB-LR	3.6.4	10 Gigabit Ethernet Serial 1310nm Laser Xenpak Module
XENPAK-10GB-SR	3.6.0	10GBASE-SR Serial 850-nm short-reach multimode fiber (MMF)
XFP-10GLR-OC192SR	3.6.4	OC192 XFP Single Mode Long Reach 2 (80km).
WS-SVC-NAM-2-250S	Prime Network3 .7.x-DP08	WS-SVC-NAM-2-250S 8 ports Network Analysis Module Rev. 0.102
WS-SVC-WISM-1-K9	Prime Network 3.7.x-DP08	WS-SVC-WISM-1-K9 10 ports WiSM WLAN Service Module Rev. 2.4
WS-X6848-SFP-2T/2TXL	Prime Network 3.7.x-DP09	WS-X6848-SFP CEF720 48 port 1000mb SFP Rev. 1.0
WS-F6K-DFC4-AXL	Prime Network 3.7.x-DP09	WS-F6K-DFC4-AXL EARL8 Distributed Forwarding Card Rev. 1.0
WS-X6908-10GE-S	Prime Network 3.7.x-DP07	WS-X6908-10GE-S CEF720 8 port 10GE Rev. 0.560
VS-SUP2T-10G	Prime Network 3.7.x-DP07	VS-SUP2T-10G 5 ports Supervisor Engine 2T 10GE w/ CTS Rev. 0.530
WS-C6513-E FAN	Prime Network 3.7.x-DP07	Enhanced 13-slot Fan Tray 1
WS-X6716-10GE	3.8x3.9x-1208	Cisco Catalyst 6500 Series 16-port 10 Gigabit Ethernet Module
ACE30-MOD-K9	4.x	Cisco Application Control Engine (ACE30) Module

Cisco Catalyst 6500 Series (IOS)—Supported Technologies

The following technologies are supported by the Cisco Catalyst 6500 Series (IOS) in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)

- [Ethernet](#), page 12-147
- [ATM](#), page 12-155
- [HDLC](#), page 12-160
- [SONET/SDH](#), page 12-160
- [TDM/DSx](#), page 12-162
- [MPLS](#), page 12-166
- [MPLS-TE](#), page 12-167
- [VPN \(VRF\)](#), page 12-169
- [PWE3](#), page 12-171
- [Security](#), page 12-172
- [Hardware](#), page 12-173
- [Port](#), page 12-181
- [Additional Technologies](#), page 12-182
- [LocalSwitching](#), page 12-182
- [BFD](#), page 12-183
- [Carrier Ethernet](#), page 12-184
- [CDP](#), page 12-186
- [Ethernet OAM](#), page 12-186

Cisco Catalyst 6500 Series (IOS)—Supported Service Events

Table 12-63 Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	N
Active IP Interfaces Found	3.6.0	N
BGP Link Down Due to Admin Down	3.6.0	N
BGP Link Down Due to Oper	3.6.0	N
BGP Link Down VRF Due to Admin	3.6.0	N
BGP Link Down VRF Due to Oper	3.6.0	N
BGP Link Up	3.6.0	N
BGP Neighbor Loss Due to Admin	3.6.0	N
BGP Neighbor Loss Due to Oper	3.6.0	N
BGP Neighbor Loss VRF Due to Admin	3.6.0	N
BGP Neighbor Loss VRF Due to Oper	3.6.0	N
BGP Neighbor Found	3.6.0	N
BGP Process Up	3.6.0	N

Table 12-63 Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Card Down	3.6.0	N
Card Up	3.6.0	N
Card Out	3.6.0	N
Card In	3.6.0	N
Device Partially Managed	3.6.0	N
CPU Overutilized	3.6.0	N
CPU Normal Utilization	3.6.0	N
Discard Packets	3.6.0	N
Dual stack IP removed	3.6.0	N
Dual Stack IP Added	3.6.0	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Keepalive Not Set	3.6.0	N
Keepalive Set	3.6.0	N
Primary HSRP Interface Is Not Active	3.6.0	N
Primary HSRP Interface Is Standby	3.6.0	N
Secondary HSRP Interface Is Active	3.6.0	N
Secondary HSRP Interface Is Not Active	3.6.0	N
Interface Status Up	3.6.0	N
L2TP Peer Is Removed	3.6.0	N
L2TP Peer Established	3.6.0	N
Lag Admin Down	3.6.0	N
Lag Up	3.6.0	N
Lag Link Admin Down	3.6.0	N
Lag Link Up	3.6.0	N
Layer 2 Tunnel Up	3.6.0	N
LDP Neighbor Down	3.6.0	N
LDP Neighbor Up	3.6.0	N
Link Down Due to Admin Down	3.6.0	N
Link Down Due to Oper Down	3.6.0	N
Link Down Due to Card Event	3.6.0	N
Link Down on Unreachable	3.6.0	N
Link Up	3.6.0	N
Link Overutilized	3.6.0	N
Link Utilization Normal	3.6.0	N

Table 12-63 Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Logical Port Up	3.6.0	N
High Priority Member Down	3.6.0	N
Medium Priority Member Down	3.6.0	N
Low Priority Member Down	3.6.0	N
Memory Overutilized	3.6.0	N
Memory OK	3.6.0	N
MPLS Black Hole Found	3.6.0	N
MPLS Black Hole Cleared	3.6.0	N
MPLS Interface Added	3.6.0	N
MPLS Interface Removed	3.6.0	N
MPLS TE FRR State Changed to Active	3.6.0	N
MPLS TE FRR State Changed to Ready	3.6.0	N
MPLS TE Tunnel Down	3.6.0	N
High Priority MPLS TE Tunnel Down	3.6.0	N
Medium Priority MPLS TE Tunnel Down	3.6.0	N
Low Priority MPLS TE Tunnel Down	3.6.0	N
MPLS TE Tunnel Up	3.6.0	N
OSPF Neighbor Down	3.6.0	N
OSPF Neighbor Up	3.6.0	N
Port Down Due to Admin	3.6.0	N
Port Down Due to Oper	3.6.0	N
Port Down Due to Card Event	3.6.0	N
Port Up	3.6.0	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Failed	3.8	Y
REP Port Role Ok	3.8	Y
Rx Dormant Normal	3.6.0	N
Rx Utilization Normal	3.6.0	N
Shelf In	3.6.0	N
Shelf Out	3.6.0	N
SONET Path Link Down Due to Admin Down	3.6.0	N

Table 12-63 Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
SONET Path Link Down Due to Oper Down	3.6.0	N
SONET Path Link Down Due to Card	3.6.0	N
SONET Path Link Down on Unreachable	3.6.0	N
Tx Dormant Normal	3.6.0	N
Tx Overutilized	3.6.0	N
Tx Utilization Normal	3.6.0	N

Cisco Catalyst 6880 Series Switches—Additional Support

Cisco Catalyst 6880 —Supported Software Version

Table 12-64 Supported Software Version for Cisco Catalyst 6880

Software Version	Added in:
15.1(2)SY6	DP 1709

Cisco Catalyst 6840 Series Switches—Additional Support

Cisco Catalyst 6840 —Supported Software Version

Table 12-65 Supported Software Version for Cisco Catalyst 6840

Software Version	Added in:
15.2(2)SY2	DP 1709

Cisco ME 6500 Series Ethernet Switches (6524)

This section includes the following information about Cisco ME 6500 Series (6524) switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ME 6500 Series Ethernet Switches \(6524\)](#)):

This section contains the following topics:

- [Cisco ME 6500 Series \(6524\)—Supported Software Versions, page 12-73](#)

- [Cisco ME 6500 Series \(6524\)—Supported Topologies, page 12-73](#)
- [Cisco ME 6500 Series \(6524\)—Supported Modules, page 12-73](#)
- [Cisco ME 6500 Series \(6524\)—Supported Technologies, page 12-74](#)
- [Cisco ME 6500 Series \(6524\)—Supported Service Events, page 12-74](#)

Cisco ME 6500 Series (6524)—Supported Software Versions

Table 12-66 Supported Software Versions for Cisco ME 6500 Series (6524)—Cisco Prime Network Version 5.3

Software Version	Product Version
12.2	3.6.0
12.2(18)ZU	3.6.0 ¹
12.2(18)ZU1	3.6.0 ²
12.2(18)ZU2	3.6.0 ³
12.2(33)SXI	3.7 ⁴

^{1,2,3,4}Prime Network models pluggable ports for this IOS version.

Cisco ME 6500 Series (6524)—Supported Topologies

Table 12-67 Supported Topologies for Cisco ME 6500 Series (6524)—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
LAG	LAG	3.6.2
MPLS	MPLS	3.6.0
Physical Layer	Physical Layer	3.6.0
VPN (VRF)	VPN	3.6.0

Cisco ME 6500 Series (6524)—Supported Modules

Table 12-68 Supported Modules for Cisco ME 6500 Series (6524)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
ME-C6524GT-8S	3.6.0	32 ports Cisco ME 6524 Ethernet Switch Rev. 1.1

Table 12-68 Supported Modules for Cisco ME 6500 Series (6524)—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
WS-6148A-GE-TX	3.6.0	Catalyst 6500 48 port 10/100/1000BaseTX (RJ-45) module
WS-6148-GE-TX	3.6.0	Catalyst 6000 48 port10/100/1000BaseT(RJ-45) module

Cisco ME 6500 Series (6524)—Supported Technologies

The following technologies are supported by the Cisco ME 6500 Series (6524) in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [MPLS, page 12-166](#)
- [MPLS-TE, page 12-167](#)
- [VPN \(VRF\), page 12-169](#)
- [PWE3, page 12-171](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [Carrier Ethernet, page 12-184](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [Ethernet OAM, page 12-186](#)

Cisco ME 6500 Series (6524)—Supported Service Events

Table 12-69 Supported Service Events for Cisco ME 6500 Series (6524)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.6.0	Y
Active IP Interfaces Found	3.6.0	Y
BGP Process Down	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
Card Out	3.6.0	Y

Table 12-69 Supported Service Events for Cisco ME 6500 Series (6524)—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Card In	3.6.0	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.6.0	N
Fan-Tray Down	3.8.0	N
Fan-Tray Out	3.8.0	N
Link Up	3.6.0	N
Memory Overutilized	3.6.0	N
Power Supply Down	3.8.0	N
Pluggable Transceiver Out	3.8.0	N
REP Port Role Failed	3.8.0	Y
REP Port Role Ok	3.8.0	Y

Cisco ME 3600X Ethernet Access Switch

This section includes the following information about Cisco ME 3600X switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ME 3600X Ethernet Access Switch](#)):

This section contains the following topics:

- [Cisco ME 3600X—Supported Software Versions, page 12-75](#)
- [Cisco ME 3600X—Supported Topologies, page 12-77](#)
- [Cisco ME 3600X—Supported Modules, page 12-78](#)
- [Cisco ME 3600X—Supported Technologies, page 12-80](#)
- [Cisco ME 3600X—Supported Service Events, page 12-80](#)

Cisco ME 3600X—Supported Software Versions

Table 12-70 Supported Software Versions for Cisco ME 3600X—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 3.18SP3	DP 1709
IOS 12.2(52)SE	3.7.1
IOS 12.2(52)EY	3.7.1.0.4
IOS 12.2(52)EY1	3.7.2-DP-3.0
IOS 12.2(52)EY2	3.7.X-DP-4.0
IOS 15.1(2)EY	3.7.X-DP-6.0
IOS 12.2(52)EY3	3.7.X-DP-9.0

Table 12-70 Supported Software Versions for Cisco ME 3600X—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOS 15.2(2)S	PrimeNetwork-3 .8.xTo3.9.x-DP1 206
IOS 15.2(2)S1	PrimeNetwork-3 .8.xTo3.9.x-DP1 206
IOS 15.2(4)S	PrimeNetwork-3 .8.xTo3.9.x-DP1 209
IOS 15.1(2)EY2	PrimeNetwork-3 .8.xTo3.9.x-DP1 210,PrimeNetwo rk 3.10 - DP1301
IOS 15.3(1)S	PrimeNetwork-3 .8.xTo3.9.x-DP1 301, PrimeNetwork 3.10 - DP1301
IOS 15.3(2)S	PrimeNetwork-3 .8.xTo3.9.x-DP1 305, PrimeNetwork 3.10 - DP1305,CiscoPr imeNetwork-4.0 -DP1308
IOS 15.3(3)S	PrimeNetwork 3.10 - DP1405, PrimeNetwork 4.0 - DP1405,PrimeN etwork 4.1 - DP1405
IOS 15.1(2)EY1	Cisco-Prime Network-3.8.x DP1.0
IOS 15.4(1)S	Prime Network 3.10.xTo3.11.x DP 1403, Prime Network 4.0 DP1403

Table 12-70 Supported Software Versions for Cisco ME 3600X—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOS 15.4(2)S	PrimeNetwork 3.10 - DP1405, PrimeNetwork 4.0 - DP1405,PrimeN etwork 4.1 - DP1405
IOS 15.4(3)S	Prime Network 3.10.xTo3.11.x DP 1409, Prime Network 4.0 DP1409,Prime Network 4.1 DP1409
IOS 15.5(1)S	Prime Network 4.0-DP1501,Pri me Network-4.1 DP1501,Prime Network 4.2-DP1501
IOS 15.5(3)S	
IOS-XE 15.6(2)SP1	Prime Network 4.3.1-DP1611
XE 3.18SP3	Prime Network 4.3-DP1709

Cisco ME 3600X—Supported Topologies

Table 12-71 Supported Topologies for Cisco ME 3600X—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1
BGP	BGP	3.7.1
Ethernet	Ethernet	3.7.1
MPLS	MPLS	3.7.1
MPLS-TE Tunnel	MPLS-TE	3.7.1
MPLS-TP Tunnel	MPLS-TP	PrimeNetwo rk-3.8.xTo3. 9.x-DP1209
Physical Layer	Physical Layer	3.7.1
VPN (VRF)	VPN	3.7.1

Table 12-71 Supported Topologies for Cisco ME 3600X—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	4.2

Cisco ME 3600X—Supported Modules

Table 12-72 Supported Modules for Cisco ME 3600X—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1470†	3.7.1	1470nm color coded CWDM SFP
CWDM-SFP-1490	3.7.1	1490nm color coded CWDM SFP
CWDM-SFP-1510	3.7.1	1510nm color coded CWDM SFP
CWDM-SFP-1530	3.7.1	1530nm color coded CWDM SFP
CWDM-SFP-1550	3.7.1	1550nm color coded CWDM SFP
CWDM-SFP-1570	3.7.1	1570nm color coded CWDM SFP
CWDM-SFP-1590	3.7.1	1590nm color coded CWDM SFP
CWDM-SFP-1610	3.7.1	1610nm color coded CWDM SFP
GLC-BX-D	3.7.1	1000BASE-BX10-D downstream bidirectional single fiber SFP
GLC-BX-U	3.7.1	1000BASE-BX10-U upstream bidirectional single fiber SFP
GLC-FE-100BX-D†	3.7.1	Fiber Fast Ethernet bi-directional 10km Downlink over SMF
GLC-FE-100BX-U	3.7.1	Fiber Fast Ethernet bi-directional 10km Uplink over SMF
GLC-FE-100EX	3.7.1	100 BaseEX Fiber Fast Ethernet
GLC-FE-100FX†	3.7.1	Short Wave Fiber Fast Ethernet
GLC-FE-100LX	3.7.1	Long Wave Fiber Fast Ethernet 10km over SMF
GLC-LH-SM†	3.7.1	Long wavelength gigabit ethernet SFP
GLC-SX-MM	3.7.1	Short wavelength gigabit ethernet SFP
GLC-T	3.7.1	Copper gigabit ethernet SFP
GLC-ZX-SM†	3.7.1	Extended reach gigabit ethernet
ME-FANTRAY	3.7.1	Metro Ethernet 3600X/3800X Fan Tray
PWR-390W-AC	3.7.1	Metro Ethernet 3600X/3800X AC power supply
PWR-390W-DC	3.7.1	Metro Ethernet 3600X/3800X DC power supply
SFP-10G-LR	3.7.1	10Gigabit XFP Multi Mode† Long Reach
SFP-10G-LRM	3.7.1	10GBASE-LRM SFP+ transceiver module for MMF and SMF, 1310-nm wavelength, LC duplex connector

Table 12-72 Supported Modules for Cisco ME 3600X—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
SFP-10G-SR	3.7.1	10Gigabit XFP Multi Mode Short Reach
SFP-GE-L	3.7.1	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.7.1	1000BASE-Sx Short wavelength gigabit ethernet SFP.
GLC-EX-SMD	38.39(00X)DP1206	1000BASE-EX long-wavelength; with DOM
DWDM-XFP-C	38.39(00X)DP1206	10GBASE-DWDM Tuneable XFP (50-GHz ITU grid)
ME-FANTRAY	38.39(00X)DP1206	Metro Ethernet 3600X/3800X Fan Tray
GLC-BX-D	38.39(00X)DP1206	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	38.39(00X)DP1206	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-FE-100LX-RGD	38.39(00X)DP1206	100BASE-LX10 Rugged SFP for Fast Ethernet SFP ports
GLC-FE-100FX-RGD	38.39(00X)DP1206	100BASE-FX Rugged SFP for Fast Ethernet SFP ports
GLC-ZX-SM-RGD	38.39(00X)DP1206	1000BASE-ZX extended distance; rugged
PWR-ME3KX-AC	38.39(00X)DP1206	Cisco ME 3600X/ME 3800X Series field- replaceable AC power supply and fan module
PWR-ME3KX-DC	38.39(00X)DP1206	Cisco ME 3600X/ME 3800X Series field- replaceable DC power supply and fan module
GLC-SX-MM-RGD	38.39(00X)DP1206	1000BASE-SX short wavelength; rugged
GLC-LX-SM-RGD	38.39(00X)DP1206	1000BASE-LX/LH long wavelength; rugged

Cisco ME 3600X—Supported Technologies

The following technologies are supported by the Cisco ME 3600X in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [TDM/DSx, page 12-162](#)
- [MPLS, page 12-166](#)
- [MPLS-TE, page 12-167](#)
- [VPN \(VRF\), page 12-169](#)
- [PWE3, page 12-171](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LocalSwitching, page 12-182](#)
- [BFD, page 12-183](#)
- [Carrier Ethernet, page 12-184](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [Ethernet OAM, page 12-186](#)
- [QoS, page 12-190](#)
- [RLFA, page 12-201](#)

Cisco ME 3600X—Supported Service Events

Table 12-73 Supported Service Events for Cisco ME 3600X—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
CPU Overutilized	3.7.1	N
Device Unsupported	3.7.1	N
Keepalive Not Set	3.7.1	N
Keepalive Set	3.7.1	N
Memory Overutilized	3.7.1	N

Table 12-73 Supported Service Events for Cisco ME 3600X—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
MPLS Black Hole Found	3.7.1	N
MPLS Black Hole Cleared	3.7.1	N
Port Down Due to Admin	3.8	Y
Port Up	3.8	Y
Pluggable Transceiver In	3.8	N
Pluggable Transceiver Out	3.8	N

Cisco ME 3800X Carrier Ethernet Switches

This section includes the following information about Cisco ME 3800X switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ME 3800X Carrier Ethernet Switches](#)):

This section contains the following topics:

- [Cisco ME 3800X—Supported Software Versions, page 12-81](#)
- [Cisco ME 3800X—Supported Topologies, page 12-83](#)
- [Cisco ME 3800X—Supported Modules, page 12-83](#)
- [Cisco ME 3800X—Supported Technologies, page 12-84](#)
- [Cisco ME 3800X—Supported Service Events, page 12-85](#)

Cisco ME 3800X—Supported Software Versions

Table 12-74 Supported Software Versions for Cisco ME 3800X—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 3.18SP3	DP 1709
IOS 12.2(52)SE	3.7.1
IOS 12.2(52)EY	3.7.1.0.4
IOS 12.2(52)EY1	3.7.2-DP-3.0
IOS 12.2(52)EY2	3.7.X-DP-4.0
IOS 15.1(2)EY	3.7.X-DP-6.0
IOS 12.2(52)EY3	3.7.X-DP-9.0
IOS 15.2(2)S	PrimeNetwork-3.8.xTo3.9.x-DP1206
IOS 15.2(2)S1	PrimeNetwork-3.8.xTo3.9.x-DP1206

Table 12-74 Supported Software Versions for Cisco ME 3800X—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
IOS 15.2(4)S	PrimeNetwork-3.8.xTo3.9.x-DP1209
IOS 15.1(2)EY2	PrimeNetwork-3.8.xTo3.9.x-DP1210,PrimeNetwork 3.10-DP1301
IOS 15.3(1)S	PrimeNetwork-3.8.xTo3.9.x-DP1301, PrimeNetwork 3.10-DP1301
IOS 15.3(2)S	PrimeNetwork-3.8.xTo3.9.x-DP1305, PrimeNetwork 3.10-DP1305,CiscoPrimeNetwork-4.0-DP1308
IOS 15.1(2)EY1	Cisco-Prime Network-3.8.x DP1.0
IOS 15.3(3)S	Prime Network 3.10 DP1401
IOS 15.4(1)S	Prime Network 3.10.xTo3.11.x DP 1403, Prime Network 4.0 DP1403
IOS 15.4(3)S	Prime Network 3.10.xTo3.11.x DP 1409, Prime Network 4.0 DP1409,Prime Network 4.1 DP1409
IOS 15.5(1)S	Prime Network 4.0-DP1501,Prime Network-4.1 DP1501,Prime Network 4.2-DP1501
IOS 15.5(3)S	
IOS-XE 15.6(2)SP1	Prime Network 4.3.1-DP1611

Table 12-74 Supported Software Versions for Cisco ME 3800X—Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
XE 3.18SP3	Prime Network 4.3-DP1709

Cisco ME 3800X—Supported Topologies

Table 12-75 Supported Topologies for Cisco ME 3800X—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
BFD	BFD	3.7.1
BGP	BGP	3.7.1
Ethernet	Ethernet	3.7.1
LAG	LAG	3.7.1
MPLS	MPLS	3.7.1
MPLS-TE Tunnel	MPLS-TE	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco ME 3800X—Supported Modules

Table 12-76 Supported Modules for Cisco ME 3800X—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
CWDM-SFP-1470†	3.7.1	1470nm color coded CWDM SFP
CWDM-SFP-1490	3.7.1	1490nm color coded CWDM SFP
CWDM-SFP-1510	3.7.1	1510nm color coded CWDM SFP
CWDM-SFP-1530	3.7.1	1530nm color coded CWDM SFP
CWDM-SFP-1550	3.7.1	1550nm color coded CWDM SFP
CWDM-SFP-1570	3.7.1	1570nm color coded CWDM SFP
CWDM-SFP-1590	3.7.1	1590nm color coded CWDM SFP
CWDM-SFP-1610	3.7.1	1610nm color coded CWDM SFP
GLC-BX-D	3.7.1	1000BASE-BX10-D downstream bidirectional single fiber SFP
GLC-BX-U	3.7.1	1000BASE-BX10-U upstream bidirectional single fiber SFP
GLC-FE-100BX-D†	3.7.1	Fiber Fast Ethernet bi-directional 10km Downlink over SMF
GLC-FE-100BX-U	3.7.1	Fiber Fast Ethernet bi-directional 10km Uplink over SMF

Table 12-76 Supported Modules for Cisco ME 3800X—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
GLC-FE-100EX	3.7.1	100 BaseEX Fiber FastEthernet
GLC-FE-100FX†	3.7.1	Short Wave Fiber Fast Ethernet
GLC-FE-100LX	3.7.1	Long Wave Fiber Fast Ethernet 10km over SMF
GLC-LH-SM†	3.7.1	Longwavelength gigabit ethernet SFP
GLC-SX-MM	3.7.1	Shortwavelength gigabit ethernet SFP
GLC-T	3.7.1	Copper gigabit ethernet SFP
GLC-ZX-SM†	3.7.1	Extended reach gigabit ethernet
ME-FANTRAY	3.7.1	Metro Ethernet 3600X/3800X Fan Tray
PWR-390W-AC	3.7.1	Metro Ethernet 3600X/3800X AC power supply
PWR-390W-DC	3.7.1	Metro Ethernet 3600X/3800X DC power supply
SFP-10G-LR	3.7.1	10Gigabit XFP Multi Mode†Long Reach
SFP-10G-LRM	3.7.1	10GBASE-LRM SFP+ transceiver module for MMF and SMF, 1310-nm wavelength, LC duplex connector
SFP-10G-SR	3.7.1	10Gigabit XFP Multi Mode Short Reach
SFP-GE-L	3.7.1	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.7.1	1000BASE-Sx Short wavelength gigabit ethernet SFP.

Cisco ME 3800X—Supported Technologies

The following technologies are supported by the Cisco ME 3800X in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [TDM/DSx, page 12-162](#)
- [MPLS, page 12-166](#)
- [MPLS-TE, page 12-167](#)
- [VPN \(VRF\), page 12-169](#)
- [PWE3, page 12-171](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LocalSwitching, page 12-182](#)
- [BFD, page 12-183](#)
- [Carrier Ethernet, page 12-184](#)
- [LLDP, page 12-185](#)

- [CDP, page 12-186](#)
- [Ethernet OAM, page 12-186](#)
- [QoS, page 12-190](#)
- [RLFA, page 12-201](#)

Cisco ME 3800X—Supported Service Events

Table 12-77 Supported Service Events for Cisco ME 3800X—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
CPU Overutilized	3.6.0	N
Device Unsupported	3.7.1	N
Keepalive Not Set	3.7.1	N
Keepalive Set	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	N
Memory Overutilized	3.7.1	N
MPLS Black Hole Found	3.7.1	N
Port Down Due to Admin	3.8	N
Port Up	3.8	N
Pluggable Transceiver Out	3.8	N
REP Port Role Ok	3.8	Y

Cisco Nexus 7000 Series Switches

This section includes the following information about Cisco Nexus 7000 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Nexus 7000 Series Switches](#)):

This section contains the following topics:

- [Cisco Nexus 7000—Supported Software Versions, page 12-86](#)
- [Cisco Nexus 7000—Supported Topologies, page 12-88](#)
- [Cisco Nexus 7000—Supported Modules, page 12-88](#)
- [Cisco Nexus 7000—Supported Technologies, page 12-95](#)
- [Cisco Nexus 7000—Supported Service Events, page 12-95](#)

Cisco Nexus 7000—Supported Software Versions

Table 12-78 Supported Software Versions for Cisco Nexus 7000—Cisco Prime Network Version 5.3

Software Version	Product Version
NXOS 6.2(16)	DP 1707
NXOS 8.1.1	DP 1709
NXOS 8.2.1	DP 1801
NXOS 8.3.1	PrimeNetwor k-4.3-DP 1807
NX-OS 4.2(2)	3.7.1
NX-OS 4.2(3)	3.7.1
NX-OS 4.2(4)	3.7.2
NX-OS 5.0(3)	3.7.2
NX-OS 5.0(5)	ANA-DP1
NX-OS 5.1(1)	ANA-DP1
NX-OS 4.2(6)	ANA-DP3
NX-OS 6.0.2	ANA38 DP 2.0
NX-OS 5.2.1	373DP6.0
Nx-OS 6.1(1)	ANA 39 -aug DP
Nx-OS 6.1(2)	ANA 3.7.3 DP1212, PrimeNetwor k-3.8.xTo3.9. x-DP1212, PrimeNetwor k-3.10.x-DP1 212
Nx-OS 6.2.6	PrimeNetwor k 3.10.xTo3.11. x DP 1401
Nx-OS 6.2(10)	PN3.10,PN4. 0,PN4.1

Table 12-78 Supported Software Versions for Cisco Nexus 7000—Cisco Prime Network Version 5.3

Software Version	Product Version
NX-OS 7.2(0)	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509
NX-OS 7.2(1)	PrimeNetwork-4.1-DP1511,PrimeNetwork-4.2-DP1511,PrimeNetwork-4.2.1-DP1511, and PrimeNetwork-4.2.2-DP1511
NX-OS 7.3(0)	
Nx-OS 7.3(1)	Prime Network 4.3.1-DP1609
NX-OS 8.1.1	Prime Network 4.3.2-DP1705
NX-OS 6.2(16)	Prime Network 4.2.2-DP1707
NX-OS 6.2(20)	Prime Network 4.3 DP 1809
NX-OS 8.2.3	Prime Network 4.3.1 DP 1903
NX-OS 8.2.4	Prime Network 4.3.1 DP 1907

Table 12-78 Supported Software Versions for Cisco Nexus 7000—Cisco Prime Network Version 5.3

Software Version	Product Version
NX-OS 8.4.1	Prime Network 4.3.1 DP 1907

Cisco Nexus 7000—Supported Topologies

Table 12-79 Supported Topologies for Cisco Nexus 7000—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7.1
Ethernet	Ethernet	3.7.1
Fiber Channel (FC + FCoE)	Fiber Channel	PrimeNetwork 4.0
LAG	LAG	3.7.1
Physical Layer	Physical Layer	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco Nexus 7000—Supported Modules

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
N77-C7706-FAN-2	DP 1707	N77-C7706-FAN-2
N77-C7706-FAN-2	DP 1709	N77-C7706-FAN-2
GLC-SX-MM	3.7.1	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength
N7K-AC-7.5KW-US	3.7.1	Nexus 7000 - 7.5KW AC Power Supply Module US
N7K-C7010-FAB-1	3.7.1	Nexus 7000 - 10 Slot Chassis - 46Gbps/Slot Fabric Module
N7K-C7018-FAB-1	3.7.1	Nexus 7000 - 18 Slot Chassis - 46Gbps/Slot Fabric Module†
N7K-C7018-FAN	3.7.1	Nexus 7000 - 18 Slot Fan
N7K-DC-6.0KW	3.7.2	Nexus 7000 - 6.0KW DC Power Supply Module†

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N7K-M108X2-12L	3.7.2,PrimeNetwork-3.8.xTo3.9.x-DP1207	Nexus 7000 - 8 Port 10GbE with XL option (req. X2)
N7K-M132XP-12	3.7.1	Nexus 7000 - 32 Port 10GbE, 80G Fabric (req. SFP+)†
N7K-M148GS-11	3.7.1	Nexus 7000 - 48 Port 1G, SFP
N7K-M148GS-11L	3.7.2	Nexus 7000 - 48 Port GE Module with XL Option†
N7K-M148GT-11	3.7.1	Nexus 7000 - 48 Port 10/100/1000, RJ-45†
N7K-SUP1	3.7.1	Nexus 7000 - Supervisor, Includes External 8GB Log Flash†
SFP-10G-LR	3.7.1	Cisco 10GBASE-LR SFP+ Module for SMF
SFP-10G-SR	3.7.1	Cisco 10GBASE-SR SFP+ Module for MMF
SFP-GE-S	3.7.1	1000BASE-SX pluggable transceiver
N7K-F132XP-15	Prime Network-3.7.2-DP1,PrimeNetwork-3.8.xTo3.9.x-DP1207	Nexus 7000 - 32 Port 1G/10G Ethernet Module, SFP/SFP+
N7K-C7010-FAN-S	Prime Network-3.7.2-DP4	Nexus 7000 - 10 Slot System Fan
N7K-C7010-FAN-F	Prime Network-3.7.2-DP4	Nexus 7000 - 10 Slot Fabric Fan
N2K-C2248TP-1GE	Prime Network 3.7.x-DP9	Cisco Nexus 2000 Series†1GE†Fabric Extender
N7K-F248XP-25	ANA 3.7.3 DP16, 3.9_JUN_DP,3.9_JULY_DP	1/10 Gbps Ethernet Module
N7K-C7009-FAN	3.9_JULY_DP	Nexus7000 C7009 (9 Slot) Chassis Fan Module
N7K-AC-6.0KW	3.9_JULY_DP	PowerSupply Module 1 - N7K-AC-6.0KW

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N7K-M148GT-11L	PrimeNetwork-3.8.xTo3.9.x-DP1207	Nexus 7000 - 10/100/1000 Mbps Ethernet XL Module
N7K-M108X2-12	PrimeNetwork-3.8.xTo3.9.x-DP1207	
N7K-C7009-FAB-2	PrimeNetwork-3.8.xTo3.9.x-DP1208	Fabric card module
N7K-C7010-FAB-2	Prime Network 3.7.3 DP16 , 3.9_JUN_DP,3.9_JULY_DP	Fabric card module
N7K-C7018-FAB-2	Prime Network 3.7.3 DP18	Fabric card module
N7K-SUP2E	Prime Network 3.7.3 _OCT_D P20, 38_39_OCT_DP12 10	Supervisor module-2
N7K-M224XP-23L	Prime Network 3.7.3 _OCT_D P20, 38_39_OCT_DP12 10	10 Gbps Ethernet Module

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N2K-C2248TP-E-1GE	3.11,3.10_DP1212,PN_3.9_Dec_2012_DP1212_DEV Prime Network3.7.3_Dec_2012_DP_21_DEV	"Fabric Extender Module: 48x1GE, 4x10GE Supervisor"
N7K-M132XP-12L	PRIME_NETWORK_K2	10 Gbps Ethernet XL Module
N7K-M202CF-22L	PrimeNetwork-3.8.xTO3.9.x-DP1305, PrimeNetwork-3.10(11)XDP1305	Cisco Nexus 7000 M2-Series 2 Port 100 GbE with XL Option
N7K-M206FQ-23L	PrimeNetwork-3.8.xTO3.9.x-DP1305, PrimeNetwork-3.10(11)XDP1305	Cisco Nexus 7000 M2-Series 6 Port 40 GbE with XL Option
N77-F248XP-23E	Prime Network 3.10.xTo3.11.x DP 1401 ¹	N7706 : N77-F248XP-23E : Nexus F2E cards for the 7706
N77-C7706-FAB-2	Prime Network 3.10.xTo3.11.x DP 1401 ²	N7706 : N77-C7706-FAB-2 : N77-C7706-FAB-2 card
N77-F312CK-26	Prime Network 3.10.xTo3.11.x DP 1401 ³	N7706 : N77-F312CK-26 : F3 line card for Crossbow (7700): 12x100GE ñ with 6.2(6)

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N77-F348XP-23	Prime Network 3.10.xTo3 .11.x DP 1401 ⁴	N7706 : N77-F348XP-23 : F3 line card for Crossbow (7700): 48x10GE ñ with 6.2(6)
N77-F324FQ-25	Prime Network 3.10.xTo3 .11.x DP 1401 ⁵	N7706 : N77-F324FQ-25 : F3 line card for Crossbow (7700): 24x40GE ñ with 6.2(6)
N77-F248XP-23E	Prime Network 3.10.xTo3 .11.x DP 1401 ⁶	N7710 : N77-F248XP-23E : Nexus F2E cards for the 7710
N77-SUP2E	Prime Network 3.10.xTo3 .11.x DP 1401 ⁷	N7710 : N77-SUP2E card
N77-C7710-FAB-2	Prime Network 3.10.xTo3 .11.x DP 1401 ⁸	N7710 : N77-C7710-FAB-2 card
N77-AC-3KW	Prime Network 3.10.xTo3 .11.x DP 1401 ⁹	N7710 : AC: N77-AC-3KW card
N77-F312CK-26	Prime Network 3.10.xTo3 .11.x DP 1401 ¹⁰	N7710 : N77-F312CK-26 : F3 line card for Crossbow (7700): 12x100GE ñ with 6.2(6)
N77-F348XP-23	Prime Network 3.10.xTo3 .11.x DP 1401 ¹¹	N7710 : N77-F348XP-23 : F3 line card for Crossbow (7700): 48x10GE ñ with 6.2(6)
N77-F324FQ-25	Prime Network 3.10.xTo3 .11.x DP 1401 ¹²	N7710 : N77-F324FQ-25 : F3 line card for Crossbow (7700): 24x40GE ñ with 6.2(6)

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N7K-F312FQ-25	Prime Network 3.10.xTo3 .11.x DP 1401 ¹³	N7010 : N7K-F312FQ-25 : F3 line cards (EFT) for Nexus 7K (12x40GE card)
N7K-F248XP-25	Prime Network 3.10.xTo3 .11.x DP 1401 ¹⁴	N7010 : N7K-F248XP-25E : F2e ñ 1/10GE line card
QSFP-40G-SR4†	Prime Network 3.10.xTo3 .11.x DP 1401 ¹⁵	40GBASE-SR4 QSFP Transceiver Module with MPO Connector
N7K-F248XP-25E	PN3.10, PN4.0,PN 4.1 ¹⁶	1/10 Gbps Ethernet Module
N7K-F306CK-25	PN3.10, PN4.0,PN 4.1 ¹⁷	6x100GE- Nexus 7K F3 Line Card on 6.2.(10)
N7K-F348XP-25	PN4.0 DP 1503,PN4 .1 DP 1503,PN 4.2 DP 1503 ¹⁸	48x10GE- Nexus 7K F3 Line Card on 6.2.(12)
N77-F324FQ-25	PN4.0 DP 1503,PN4 .1 DP 1503,PN 4.2 DP 1503 ¹⁹	N77-F324FQ-25 : F3 line card for Crossbow (7700): with 6.2(12)
N2K-2348UPQ	PrimeNet work-4.1-DP1509,P rimeNetw ork-4.2-D P1509,Pri meNetwo rk-4.2.1- DP1509, and PrimeNet work-4.2. 2-DP1509	

Table 12-80 Supported Modules for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N2K-2348TP	PrimeNetwork-4.1-DP1509,PrimeNetwork-4.2-DP1509,PrimeNetwork-4.2.1-DP1509, and PrimeNetwork-4.2.2-DP1509	N2K-C2248TP-E-1GE
QSFP-40G-SR4	Prime Network 4.3.2-DP1705	QSFP-40G-SR4
QSFP-4X10G-LR-S	Prime Network 4.3.2-DP1705	QSFP-4X10G-LR-S
QSFP-100G-SR4-S	Prime Network 4.3.2-DP1705	QSFP-100G-SR4-S
CPAK-100G-SR4	Prime Network 4.3.2-DP1705	CPAK-100G-SR4
CPAK-100G-LR4	Prime Network 4.3.2-DP1705	CPAK-100G-LR4
QSFP-100G-LR4-S	Prime Network 4.3.2-DP1705	QSFP-100G-LR4-S
N77-C7706-FAN-2	Prime Network 4.3-DP1709	N77-C7706-FAN-2

1, 2, 3, 4, 5, 19 Cisco Nexus 7706 series

6, 7, 8, 9, 10, 11, 12 Cisco Nexus 7710 series

13, 14, 15, 17, 20, 21 Cisco Nexus 7010 series

^{16, 18}Cisco Nexus 7000 series

Cisco Nexus 7000—Supported Technologies

The following technologies are supported by the Cisco Nexus 7000 in Cisco Prime Network Version 5.3:

- [IP](#), page 12-137
- [Routing Protocols](#), page 12-144
- [Ethernet](#), page 12-147
- [VPN \(VRF\)](#), page 12-169
- [Hardware](#), page 12-173
- [Port](#), page 12-181
- [BFD](#), page 12-183
- [Carrier Ethernet](#), page 12-184
- [CDP](#), page 12-186
- [VPCDomain](#), page 12-192
- [VPCPortChannel](#), page 12-192
- [VPCPeerLinkPh](#), page 12-193
- [VPCKeepAliveLinkPh](#), page 12-193
- [FabricPathContainer](#), page 12-193
- [FabricPathInterfaceTableEntry](#), page 12-194
- [IPMulticast](#), page 12-194
- [FiberChannel](#), page 12-199
- [VSAN](#), page 12-200

Cisco Nexus 7000—Supported Service Events

Table 12-81 Supported Service Events for Cisco Nexus 7000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
Card Out	3.7.1	Y
Card In	3.7.1	Y
Chassis Disconnected	3.10	Y
Chassis Connected	3.10	Y

Table 12-81 Supported Service Events for Cisco Nexus 7000—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
CPU Overutilized	3.7.1	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Lag Admin Down	3.7.3	Y
Lag Oper Down	3.7.3	Y
Lag Up	3.7.3	Y
Lag Link Admin Down	3.7.3	Y
Lag Link Oper Down	3.7.3	Y
Lag Link Down on Unreachable	3.7.3	Y
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	Y
MPLS Black Hole Found	3.7.1	N
Port Down Due to Admin	3.7.1	Y
Port Down Due to Oper	3.7.1	Y
Port Down Due to Card Event	3.7.1	Y
Port Up	3.7.1	Y
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N
FCoE Interface Down Due to Admin	4.x	Y
FCoE Interface Down Due to Oper	4.x	Y
FCoE Interface Up	4.x	Y
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco Nexus 9000 Series Switches

This section includes the following information about Cisco Nexus 9000 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Nexus 9000 Series Switches](#)):

This section contains the following topics:

- [Cisco Nexus 9000—Supported Software Versions, page 12-97](#)
- [Cisco Nexus 9000—Supported Topologies, page 12-97](#)
- [Cisco Nexus 9000—Supported Modules, page 12-98](#)
- [Cisco Nexus 9000—Supported Technologies, page 12-101](#)
- [Cisco Nexus 9000—Supported Service Events, page 12-102](#)

Cisco Nexus 9000—Supported Software Versions

Table 12-82 Supported Software Versions for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Software Version	Product Version
Nx-OS 7.0(3)I2(2a)	4.3.1
Nx-OS 7.0.3.(I4)1	4.3.1-DP1609
Nx-OS 7.0(3)I4(2))	4.3.1-DP1611
7.0.3(I5)1	4.3.2-DP1701
NX-OS 7.0(3)I4(4)	4.3.2-DP1705
7.0.3(I7)2	5.1-DP1801 ¹⁴
7.0(3)I7(3)	4.3-DP 1809
7.0(3)I4(8a)	4.3-DP 1809
NXOS 9.2.2	4.3.1-DP1903
NXOS 9.3.1	Prime Network 4.3.1 DP1907
NXOS 7.0(3)I7(4)	Prime Network 5.0 DP 1911

Cisco Nexus 9000—Supported Topologies

Table 12-83 Supported Topologies for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	4.3.1
Ethernet	Ethernet	4.3.1
Fiber Channel (FC + FCoE)	Fiber Channel	4.3.1
LAG	LAG	4.3.1
Physical Layer	Physical Layer	4.3.1

Cisco Nexus 9000—Supported Modules

Table 12-84 Supported Modules for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
N9K-X9536PQ	14.3.1	LinecardSlot: 36p 40G Ethernet Module
N9K-X9636PQ	² 4.3.1	LinecardSlot: 36p 40G Ethernet Module
QSFP-40G-CSR4	³ 4.3.1	40GBASE-SR4 QSFP Transceiver Module with MPO Connector
N9K-SC-A	⁴ 4.3.1	System Controller - 2
N9K-SUP-B	4.3.1 ⁵	Supervisor Module - 2
N9K-C9504-FM	⁶ 4.3.1	Fabric Module - 6
N9K-C9504-FAN	⁷ 4.3.1	Fan Module- 3
N9K-PAC-3000W-B	⁸ 4.3.1	N9K-PAC-3000W-B-2
N9K-C9332PQ	⁹ 4.3.1	Nexus 9332: 32p 40G Ethernet Module
NXA-FAN-30CFM-B	¹⁰ 4.3.1	Fan Module-1
N9K-PAC-650W	¹¹ 4.3.1	N9K-PAC-650W-1
N9K-X9536PQ	¹² 4.3.1	
N9K-C9332PQ	4.3.1	
N9K-C9236C - NECV4	4.3.1-DP1 609	
N9K-C93180YC-EX	4.3.1-DP1 609	
N9K-X9636PQ	4.3.1-DP1 609	
N9K-X9564PX	4.3.1-DP1 609	
N9K-C9508-FM	4.3.1-DP1 609	
N9K-SUP-A	4.3.1-DP1 609	
N9K-SC-A	4.3.1-DP1 609	
N9K-C9508-FAN	4.3.1-DP1 609	
N9K-C9372PX	4.3.1-DP1 609	
SFP-10G-LR	4.3.2-DP1 701	SFP-10G-LR
QSFP-100G-LR4	4.3.2-DP1 701	QSFP-100G-LR4

Table 12-84 Supported Modules for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
QSFP-100G-SR4	4.3.2-DP1701	QSFP-100G-SR4
QSFP-40G-CSR4	4.3.2-DP1701	QSFP-40G-CSR4
SFP-10G-SR	4.3.2-DP1701	SFP-10G-SR
N9K-X9536-PQ	4.3.2-DP1703	N9K-X9536-PQ
N9K-X9732C-EX	4.3.2-DP1703	N9K-X9732C-EX
N9K-X9564TX	5.1-DP1709	N9K-X9564TX
N9K-X9464TX2	5.1-DP1709	N9K-X9464TX2
N9K-X9464PX	5.1-DP1711	N9K-X9464PX
N9K-C93180YC-EX	5.1-DP1801	N9K-C93180YC-EX
N9K-C93180YC-FX	5.1-DP1801	N9K-C93180YC-FX
C92160YC - X	¹³ DP1803	C92160YC - X
N9K-X9564TX	Prime Network 4.3-DP1709	N9K-X9564TX
N9K-X9464TX2	Prime Network 4.3-DP1709	N9K-X9464TX2
C93108TC-Ex chassis	Prime Network 4.3-DP1709	C93108TC-Ex chassis
N9K-X9464PX	Prime Network 4.3-DP1711	N9K-X9464PX
SFP-10G-SR	Prime Network 4.3.1 DP1905	SFP-10G-SR

Table 12-84 Supported Modules for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
QSFP-40G-SR4	Prime Network 4.3.1 DP 1905	QSFP-40G-SR4
QSFP-40G-SR4-S	Prime Network 4.3.1 DP 1905	QSFP-40G-SR4-S
QSFP-40G-SR-BD	Prime Network 4.3.1 DP 1905	QSFP-40G-SR-BD
QSFP-100G-SR4-S	Prime Network 4.3.1 DP 1907	QSFP-100G-SR4-S
QSFP-100G-LR4-S	Prime Network 4.3.1 DP 1907	QSFP-100G-LR4-S
QSFP-100G-AOC7M	Prime Network 4.3.1 DP 1907	QSFP-100G-AOC7M
QSFP-100G-AOC10M	Prime Network 4.3.1 DP 1907	QSFP-100G-AOC10M
WSP-Q40GLR4L	Prime Network 4.3.1 DP 1907	WSP-Q40GLR4L
QSFP-40G-CSR4	Prime Network 4.3.1 DP 1907	QSFP-40G-CSR4
1000base-T	Prime Network 4.3.1 DP 1907	1000base-T
QSFP-100G-LR4	Prime Network 4.3.1 DP 1907	QSFP-100G-LR4

Table 12-84 Supported Modules for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
QSFP-100G-SR4	Prime Network 4.3.1 DP 1907	QSFP-100G-SR4
QSFP-4X10G-LR	Prime Network 4.3.1 DP 1907	QSFP-4X10G-LR

^{1,2,4,5,6,7,8,12}Cisco Nexus 9504 series

³Cisco Nexus 9332, 9504 series

^{9,10,11}Cisco Nexus 9332 series

¹³ Cisco C92160YC - X

¹⁴Cisco Nexus 9272 series

Cisco Nexus 9000—Supported Technologies

The following technologies are supported by the Cisco Nexus 9000 in Cisco Prime Network Version 5.3:

- [IP](#), page 12-137
- [Routing Protocols](#), page 12-144
- [Ethernet](#), page 12-147
- [VPN \(VRF\)](#), page 12-169
- [Hardware](#), page 12-173
- [Port](#), page 12-181
- [BFD](#), page 12-183
- [Carrier Ethernet](#), page 12-184
- [CDP](#), page 12-186
- [VPCDomain](#), page 12-192
- [VPCPortChannel](#), page 12-204
- [VPCPeerLinkPh](#), page 12-193
- [VPCKeepAliveLinkPh](#), page 12-193
- [IPMulticast](#), page 12-194
- [FabricPathContainer](#), page 12-193
- [FabricPathInterfaceTableEntry](#), page 12-194

Cisco Nexus 9000—Supported Service Events

Table 12-85 Supported Service Events for Cisco Nexus 9000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	4.3.1	Y
Active IP Interfaces Found	4.3.1	Y
BGP Process Up	4.3.1	N
Card Down	4.3.1	Y
Card Up	4.3.1	Y
Card Out	4.3.1	Y
Card In	4.3.1	Y
Chassis Disconnected	4.3.1	Y
Chassis Connected	4.3.1	Y
CPU Overutilized	4.3.1	N
Fan-Tray Down	4.3.1	N
Fan-Tray Out	4.3.1	N
Lag Admin Down	4.3.1	Y
Lag Oper Down	4.3.1	Y
Lag Up	4.3.1	Y
Lag Link Admin Down	4.3.1	Y
Lag Link Oper Down	4.3.1	Y
Lag Link Down on Unreachable	4.3.1	Y
Layer 2 Tunnel Down	4.3.1	N
Link Up	4.3.1	Y
MPLS Black Hole Found	4.3.1	N
Port Down Due to Admin	4.3.1	Y
Port Down Due to Oper	4.3.1	Y
Port Down Due to Card Event	4.3.1	Y
Port Up	4.3.1	Y
Power Supply Down	4.3.1	N
Pluggable Transceiver Out	4.3.1	N
FCoE Interface Down Due to Admin	4.3.1	Y
FCoE Interface Down Due to Oper	4.3.1	Y
FCoE Interface Up	4.3.1	Y

Cisco Nexus 5000 Series Switches

This section includes the following information about Cisco Nexus 5000 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Nexus 5000 Series Switches](#)):

This section contains the following topics:

- [Cisco Nexus 5000—Supported Software Versions, page 12-103](#)
- [Cisco Nexus 5000—Supported Topologies, page 12-104](#)
- [Cisco Nexus 5000—Supported Modules, page 12-105](#)
- [Cisco Nexus 5000—Supported Technologies, page 12-110](#)
- [Cisco Nexus 5000—Supported Service Events, page 12-110](#)

Cisco Nexus 5000—Supported Software Versions

Table 12-86 Supported Software Versions for Cisco Nexus 5000—Cisco Prime Network Version 5.3

Software Version	Product Version
NX-OS 4.1(3)N2(1a))	3.7.2
NX-OS 4.2(1)N2(1)	3.7.2
5.0(2)N2(1)	3.7.2
5.0(2)N1(1)	ANA 3.7.x-DP08
5.2(1)N1(1)	Prime Network 3.10
5.2(1)N1(4)	Prime Network 4.0 DP1501,Prime Network 4.1 DP1501,Prime Network 4.2 DP1501
6.0(2)N2(3)	Prime Network 4.0 DP1501,Prime Network 4.1 DP1501,Prime Network 4.2 DP1501

Table 12-86 Supported Software Versions for Cisco Nexus 5000—Cisco Prime Network Version 5.3

Software Version	Product Version
6.0(2)N2(5)	Prime Network 4.0 DP1501,Prime Network 4.1 DP1501,Prime Network 4.2 DP1501
7.1(1)N1(1)	Prime Network 4.0 DP1505,Prime Network 4.1 DP1505,Prime Network 4.2 DP1505,PN 4.2.1 DP 1505
7.1(0)N1(1b)	
7.1.(4)N1(1C)	Prime Network 4.3.2-DP1701

Cisco Nexus 5000—Supported Topologies

Table 12-87 Supported Topologies for Cisco Nexus 5000—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7.2
Fiber Channel (FC + FCoE)	Fiber Channel	PrimeNetwork 4.0
LAG	LAG	3.7.2
Physical Layer	Physical Layer	3.7.2
L2 Fabric	L2 Fabric Link	4.2

Cisco Nexus 5000—Supported Modules

Table 12-88 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 5.3

Module Name	Product Version	Module Description
N5K-C5020-FAN	3.7.2	Cisco Nexus 5020 Fan Module
N5K-PAC-1200W	3.7.2	Nexus 5020 PSU module, 100-240VAC 1200W†
SFP-10G-LR	3.7.2	Cisco 10GBASE-LR SFP+ Module for SMF
N5K-M1404	3.7.2	N5000 1000 Series Mod 4x10GE 4xFC 4/2/1G(req SFP+/SFP)
N5K-PAC-550W	ANA 3.7.x-DP0 8	Nexus 5010 PSU module, 110-208VAC 550w
N5K-C5010-FAN	ANA 3.7.x-DP0 8	Cisco Nexus 5010 Fan Module
N2K-C2248TP-1GE	ANA 3.7.x-DP9	Cisco Nexus 2000 Series†1GE†Fabric Extender
N5548P-FAN	PrimeNet work-3.8. xTo3.9.x- DP1206	Cisco Nexus 5548P/5548UP Fan Module, Front-to-Back Airflow, Spare
N55-PAC-750W	PrimeNet work-3.8. xTo3.9.x- DP1206	Cisco Nexus 5548P/5548UP PSU Front-to-Back Airflow module spare, A/C, 100-240V, 750W
N55-M16UP	PRIME_ NETWO RK_K2	16 Ports Flexible GEM
N5K-C5596UP	Prime Network 4.0 DP1501,P rime Network 4.1 DP1501,P rime Network 4.2 DP1501	48X10GE/Modular Supervisor in Fixed Module-1

Table 12-88 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 5.3 (Continued)

Module Name	Product Version	Module Description
N5548P-FAN	Prime Network 4.0 DP1501,Prime Network 4.1 DP1501,Prime Network 4.2 DP1501	Cisco Nexus 5548P/5548UP Fan Module
N5596UP-FAN	Prime Network 4.0 DP1501,Prime Network 4.1 DP1501,Prime Network 4.2 DP1501	Cisco Nexus 5596UP Fan Module
N5596P-PAC-1100W	Prime Network 4.0 DP1501,Prime Network 4.1 DP1501,Prime Network 4.2 DP1501	Cisco Nexus 5596 PSU module, 1100W
N5K-C5672UP	PN 4.0,4.1,4.2,4.2.1 DP1505 ¹	cisco Nexus 5672 UP fixed module
N5K-C5672UP-M6Q	PN 4.0,4.1,4.2,4.2.1 DP1505 ²	

Table 12-88 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 5.3 (Continued)

Module Name	Product Version	Module Description
N6K-C6001-FAN-F	PN 4.0,4.1,4.2,4.2.1 DP1505 ³	cevFanN6kC6001FanF
NXA-PAC-1100W	PN 4.0,4.1,4.2,4.2.1 DP1505 ⁴	nexus 5672 power supply
SFP-10G-SR	PN 4.0,4.1,4.2,4.2.1 DP1505	SFP-10G-SR
QSFP-40G-CSR4	PN 4.0,4.1,4.2,4.2.1 DP1505	QSFP 4x10GBASE-SR Transceiver Module MPO 300M PORTS
N5600-24Q-12Q-FIX	PrimeNet work-4.1- DP1509,P rimeNetw ork-4.2-D P1509,Pri meNetwo rk-4.2.1- DP1509, and PrimeNet work-4.2. 2-DP1509	
N5600-M12Q	PrimeNet work-4.1- DP1511,P rimeNetw ork-4.2-D P1511,Pri meNetwo rk-4.2.1- DP1511, and PrimeNet work-4.2. 2-DP1511	

Table 12-88 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 5.3 (Continued)

Module Name	Product Version	Module Description
N55-PDC-1100W	PrimeNet work-4.1-DP1511,PrimeNetwork-4.2-DP1511,PrimeNetwork-4.2.1-DP1511, and PrimeNet work-4.2.2-DP1511	
N6K-C6001-FAN-F	PrimeNet work-4.1-DP1511,PrimeNetwork-4.2-DP1511,PrimeNetwork-4.2.1-DP1511, and PrimeNet work-4.2.2-DP1511	
N2K-C2232TM-E	PrimeNet work-4.1-DP1511,PrimeNetwork-4.2-DP1511,PrimeNetwork-4.2.1-DP1511, and PrimeNet work-4.2.2-DP1511	

Table 12-88 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 5.3 (Continued)

Module Name	Product Version	Module Description
	PrimeNetwork-4.1-DP1511,PrimeNetwork-4.2-DP1511,PrimeNetwork-4.2.1-DP1511, and PrimeNetwork-4.2.2-DP1511	
N2K-C2248TP-E-1GE	3.11,3.10_DP1212,PN_3.9_Dec_2012_DP1212_DEV ANA3.7.3_Dec_2012_DP_21_DEV	"Fabric Extender Module: 48x1GE, 4x10GE Supervisor"
N2K-C2248PQ	12	
N2200-PDC-400W	13	
N2200-PAC-400W	14	
NXA-PAC-1100W	15	
NXA-FAN-30CFM-F	16	
N5-KN55DL2	17	
QSFP-40G-SR-BD		
GLC-SX-MMD		
SFP-GE-T		
N2K-2348UPQ	18	
N2K-2348TQ	19	

¹.1.3.6.1.4.1.9.12.3.1.9.72.28².1.3.6.1.4.1.9.12.3.1.9.72.27³.1.3.6.1.4.1.9.12.3.1.9.7.240⁴.1.3.6.1.4.1.9.12.3.1.9.6.355⁵.1.3.6.1.4.1.9.12.3.1.9.72.31⁶.1.3.6.1.4.1.9.12.3.1.9.72.32⁷.1.3.6.1.4.1.9.12.3.1.6.365⁸.1.3.6.1.4.1.9.12.3.1.7.240

⁹.1.3.6.1.4.1.9.12.3.1.9.78.12
¹⁰.1.3.6.1.4.1.9.12.3.1.9.78.10
¹¹.1.3.6.1.4.1.9.12.3.1.9.78.8
¹².1.3.6.1.4.1.9.12.3.1.9.78.13
¹³.1.3.6.1.4.1.9.12.3.1.6.297
¹⁴.1.3.6.1.4.1.9.12.3.1.6.273
¹⁵.1.3.6.1.4.1.9.12.3.1.6.355
¹⁶.1.3.6.1.4.1.9.12.3.1.7.122
¹⁷.1.3.6.1.4.1.9.12.3.1.9.72.14
¹⁸.1.3.6.1.4.1.9.12.3.1.9.78.17
¹⁹.1.3.6.1.4.1.9.12.3.1.9.78.18

Cisco Nexus 5000—Supported Technologies

The following technologies are supported by the Cisco Nexus 5000 in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [VPN \(VRF\), page 12-169](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [VPCDomain, page 12-192](#)
- [VPCPortChannel, page 12-192](#)
- [VPCPeerLinkPh, page 12-193](#)
- [VPCKeepAliveLinkPh, page 12-193](#)
- [FabricPathContainer, page 12-193](#)
- [FabricPathInterfaceTableEntry, page 12-194](#)
- [FiberChannel, page 12-199](#)
- [VSAN, page 12-200](#)

Cisco Nexus 5000—Supported Service Events

Table 12-89 Supported Service Events for Cisco Nexus 5000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedite
All IP Interfaces Down	3.7.2	Y
Active IP Interfaces Found	3.7.2	Y
Card Down	3.7.2	Y

Table 12-89 Supported Service Events for Cisco Nexus 5000—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Card Up	3.7.2	Y
Card Out	3.7.2	Y
Card In	3.7.2	Y
Chassis Disconnected	Prime Network 3.10	Y
Chassis Connected	Prime Network 3.10	Y
CPU Overutilized	3.7.2	N
Device Unsupported	3.7.2	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Lag Admin Down	3.7.3	Y
Lag Oper Down	3.7.3	Y
Lag Up	3.7.3	Y
Lag Link Admin Down	3.7.3	Y
Lag Link Oper Down	3.7.3	Y
Lag Link Down on Unreachable	3.7.3	Y
Lag Link Up	3.7.3	Y
Link Down Due to Admin Down	3.7.2	Y
Link Down Due to Oper Down	3.7.2	Y
Link Down Due to Card Event	3.7.2	Y
Link Up	3.7.2	N
Memory Overutilized	3.7.2	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N
FCoE Interface Down Due to Admin	4.x	Y
FCoE Interface Down Due to Oper	4.x	Y
FCoE Interface Up	4.x	Y
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco Nexus 1000 Series Switches

This section includes the following information about Cisco Nexus 1000 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Nexus 1000 Series Switches](#)):

This section contains the following topics:

- [Cisco Nexus 1000 Series—Supported Software Versions, page 12-112](#)
- [Cisco Nexus 1000 Series—Supported Topologies, page 12-113](#)
- [Cisco Nexus 1000 Series—Supported Modules, page 12-113](#)
- [Cisco Nexus 1000 Series—Supported Technologies, page 12-114](#)
- [Cisco Nexus 1000 Series—Supported Service Events, page 12-114](#)

Cisco Nexus 1000 Series—Supported Software Versions

Table 12-90 Supported Software Versions for Cisco Nexus 1000 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
4.2(1)SV1(5.1)	PrimeNetwork 3.7.x-DP09, CiscoPrimeNetwork-3.8-DP1
4.2(1)SV1(4a)	PrimeNetwork-3.8.xTo3.9.x-DP1209
4.2(1)SV1(5.1a)	PrimeNetwork-3.8.xTo3.9.x-DP1212,PrimeNetwork-3.10.x-DP1212
5.2(1)SP1(7.2)	Prime Network 3.10.xTo3.11.x DP 1409,Prime Network 4.1 DP1409,Prime Network 4.0 DP1409

Cisco Nexus 1000 Series—Supported Topologies

Table 12-91 Supported Topologies for Cisco Nexus 1000 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	PrimeNetwork 3.7.x-DP09, CiscoPrimeNetwork-3.8-DP1
LAG	LAG	PrimeNetwork 3.7.x-DP09, CiscoPrimeNetwork-3.8-DP1
Physical Layer	Physical Layer	ANA 3.7.x-DP09, CiscoPrimeNetwork-3.8-DP1
L2 Fabric	L2 Fabric Link	4.2

Cisco Nexus 1000 Series—Supported Modules

Table 12-92 Supported Modules for Cisco Nexus 1000 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
VIRTUAL SUPERVISOR MODULE	PrimeNetwork 3.7.x-DP09, CiscoPrimeNetwork-3.8-DP1	Virtual Supervisor Module

Table 12-92 Supported Modules for Cisco Nexus 1000 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
VIRTUAL ETHERNET MODULE	PrimeNetwork 3.7.x-DP09, CiscoPrimeNetwork-3.8-DP1	Virtual Ethernet Module
NEXUS 1010 (VIRTUAL SERVICES APPLIANCE)	PrimeNetwork-3.8.xTo3.9.x-DP1209	Nexus 1010 (Virtual Services Appliance)
N1K-C1110NAM51-K9(CISCO PRIME NAM VSB SOFTWARE 5.1 FOR C1110)	Prime Network 3.10.xTo3.11.x DP 1411	

Cisco Nexus 1000 Series—Supported Technologies

The following technologies are supported by the Cisco Nexus 1000 Series in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [CDP, page 12-186](#)

Cisco Nexus 1000 Series—Supported Service Events

Table 12-93 Supported Service Events for Cisco Nexus 1000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
CPU Overutilized	3.7.1	N
Device Unsupported	3.7.1	N
Link Down Due to Admin Down	3.7.1	N
Memory Overutilized	3.7.1	N
Port Down Due to Admin	3.7.1	Y
Port Down Due to Oper	3.7.1	Y

Table 12-93 Supported Service Events for Cisco Nexus 1000 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
Port Up	3.7.1	Y
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco Nexus 3000 Series Switches

This section includes the following information about Cisco Nexus 3000 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Nexus 3000 Series Switches](#)):

This section contains the following topics:

- [Cisco Nexus 3000—Supported Software Versions, page 12-115](#)
- [Cisco Nexus 3000—Supported Topologies, page 12-116](#)
- [Cisco Nexus 3000—Supported Modules, page 12-116](#)
- [Cisco Nexus 3000—Supported Technologies, page 12-117](#)
- [Cisco Nexus 3000—Supported Service Events, page 12-118](#)

Cisco Nexus 3000—Supported Software Versions

Table 12-94 Supported Software Versions for Cisco Nexus 3000—Cisco Prime Network Version 5.3

Software Version	Product Version
5.0(3)U4(1)	PrimeNetwork-3.8.xTo3.9.x-DP1208
7.0.3(15)1	Prime Network 4.3.2-DP1701
7.0.3(15)2	Prime Network 4.2.2-DP1707
7.0.3(17)2	DP1801

Cisco Nexus 3000—Supported Topologies

Table 12-95 Supported Topologies for Cisco Nexus 3000—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	PrimeNet work-3.8.xTo3.9.x-DP1208
LAG	LAG	PrimeNet work-3.8.xTo3.9.x-DP1208
Physical Layer	Physical Layer	PrimeNet work-3.8.xTo3.9.x-DP1208
L2 Fabric	L2 Fabric Link	4.2

Cisco Nexus 3000—Supported Modules

Table 12-96 Supported Modules for Cisco Nexus 3000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
N3K-C3048TP-1GE	PrimeNet work-3.8.xTo3.9.x-DP1208	Nexus 3048TP-1GE 1RU 48 10/100/1000 Mbps and 4 10Gbps ports
N2200-PAC-400W	PrimeNet work-3.8.xTo3.9.x-DP1208	N2K/3K 400W AC Power Supply, Forward airflow (port side exhaust)
N3K-C3048-FAN	PrimeNet work-3.8.xTo3.9.x-DP1208	Nexus 3048 Fan Module, Forward airflow (port side exhaust)
N3K-C3048-FAN-B	PrimeNet work-3.8.xTo3.9.x-DP1208	Nexus 3048 Fan Module, Reversed airflow (port side intake)
N3K-C3064PQ-10GX	PrimeNet work-3.8.xTo3.9.x-DP1209	Nexus 3064-T, 48 10GBase-T and 4 QSFP+ ports

Table 12-96 Supported Modules for Cisco Nexus 3000—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
N2200-PAC-400W-B	PrimeNet work-3.8.xTo3.9.x-DP1209	N2K/3K 400W AC Power Supply, Reversed airflow (port side intake)
N3K-C3064-FAN	PrimeNet work-3.8.xTo3.9.x-DP1209	Nexus 3064 Fan Module, Forward airflow (port side exhaust)
N3K-C3064-FAN-B	PrimeNet work-3.8.xTo3.9.x-DP1209	Nexus 3064 Fan Module, Reversed airflow (port side intake)
SFP-H10GB-CU1M	PrimeNet work-3.8.xTo3.9.x-DP1209	10GBASE-CU SFP+ Cable 1 Meter, passive
SFP-H10GB-CU3M	PrimeNet work-3.8.xTo3.9.x-DP1209	10GBASE-CU SFP+ Cable 3 Meter, passive
N3K-C3048TP-1GE	DP 1801	N3K-C3048TP-1GE

Cisco Nexus 3000—Supported Technologies

The following technologies are supported by the Cisco Nexus 3000 in Cisco Prime Network Version 5.3:

- [IP](#), page 12-137
- [Ethernet](#), page 12-147
- [VPN \(VRF\)](#), page 12-169
- [Hardware](#), page 12-173
- [Port](#), page 12-181
- [LLDP](#), page 12-185
- [CDP](#), page 12-186

Cisco Nexus 3000—Supported Service Events

Table 12-97 Supported Service Events for Cisco Nexus 3000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Active IP Interfaces Found	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Card Down	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Card Up	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Card Out	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Card In	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
CPU Overutilized	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Device Unsupported	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Fan-Tray Down	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Fan-Tray Out	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Lag Admin Down	PrimeNet work-3.10	Y

Table 12-97 Supported Service Events for Cisco Nexus 3000—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Lag Oper Down	PrimeNet work-3.10	Y
Lag Up	PrimeNet work-3.10	Y
Lag Link Admin Down	PrimeNet work-3.10	Y
Lag Link Oper Down	PrimeNet work-3.10	Y
Lag Link Down on Unreachable	PrimeNet work-3.10	Y
Lag Link Up	PrimeNet work-3.10	Y
Link Down Due to Admin Down	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Link Down Due to Oper Down	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Link Down Due to Card Event	PrimeNet work-3.8.xTo3.9.x-DP1208	Y
Link Up	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Memory Overutilized	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Power Supply Down	PrimeNet work-3.8.xTo3.9.x-DP1208	N
Pluggable Transceiver Out	PrimeNet work-3.8.xTo3.9.x-DP1208	N
OSPF link down	4.2.2	N
OSPF link up	4.2.2	N

Cisco 6800 Series (IOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (IOS) switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 6600 Series \(IOS\) Switches](#)):

This section contains the following topics:

Cisco 6800—Supported Software Versions

Table 12-98 Supported Software Versions for Cisco Nexus 5000—Cisco Prime Network Version 5.3

Software Version	Product Version
15.2(1)SY1a	5.0-DP 1707

Cisco ACE 4700 Series Access Control Engine

This section includes the following information about Cisco ACE 4700 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ACE 4700 Series Access Control Engine](#)):

This section contains the following topics:

- [Cisco ACE 4700—Supported Software Versions](#), page 12-120
- [Cisco ACE 4700—Supported Topologies](#), page 12-120
- [Cisco ACE 4700—Supported Technologies](#), page 12-121
- [Cisco ACE 4700—Supported Service Events](#), page 12-121

Cisco ACE 4700—Supported Software Versions

Table 12-99 Supported Software Versions for Cisco ACE 4700—Cisco Prime Network Version 5.3

Software Version	Product Version
ACE Appliance SW 3.2	3.7.1

Cisco ACE 4700—Supported Topologies

Table 12-100 Supported Topologies for Cisco ACE 4700—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7.1

Table 12-100 Supported Topologies for Cisco ACE 4700—Cisco Prime Network Version 5.3 (Continued)

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1
L2 Fabric	L2 Fabric Link	4.2

Cisco ACE 4700—Supported Technologies

The following technologies are supported by the Cisco ACE 4700 in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)

Cisco ACE 4700—Supported Service Events

Table 12-101 Supported Service Events for Cisco ACE 4700—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	N
Active IP Interfaces Found	3.7.1	N
IMA Admin Down	3.7.1	N
IMA Oper Down	3.7.1	N
BFD Connectivity Down	3.7.1	N
BFD Connectivity Up	3.7.1	N
BFD Neighbor Loss	3.7.1	N
BFD Neighbor Found	3.7.1	N
BGP Link Down Due to Admin Down	3.7.1	N
BGP Link Down Due to Oper	3.7.1	N
BGP Link Down VRF Due to Admin	3.7.1	N
BGP Link Down VRF Due to Oper	3.7.1	N
BGP Link Up	3.7.1	N
BGP Neighbor Loss Due to Admin	3.7.1	N
BGP Neighbor Loss Due to Oper	3.7.1	N
BGP Neighbor Loss VRF Due to Admin	3.7.1	N
BGP Neighbor Loss VRF Due to Oper	3.7.1	N
BGP Neighbor Found	3.7.1	N

Table 12-101 Supported Service Events for Cisco ACE 4700—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
BGP Process Down	3.7.1	N
BGP Process Up	3.7.1	N
Card Down	3.7.1	N
Card Up	3.7.1	N
Card Out	3.7.1	N
Card In	3.7.1	N
Device Partially Managed	3.7.1	N
Device Unsupported	3.7.1	N
Discard Packets	3.7.1	N
Normal Discard Packets	3.7.1	N
Dropped Packets on Port	3.7.1	N
DS1 Path Link Down Due to Admin Down	3.7.1	N
DS1 Path Link Down Due to Oper Down	3.7.1	N
DS1 Path Link Down Due to Card	3.7.1	N
DS1 Path Link Down on Unreachable	3.7.1	N
DS1 Path Link Up	3.7.1	N
DS1 Path Port Down Due to Admin	3.7.1	N
DS1 Path Port Down Due to Oper	3.7.1	N
DS1 Path Port Down Due to Card	3.7.1	N
DS1 Path Port Up	3.7.1	N
DS3 Path Link Down Due to Admin Down	3.7.1	N
DS3 Path Link Down Due to Oper Down	3.7.1	N
DS3 Path Link Down Due to Card	3.7.1	N
DS3 Path Link Down on Unreachable	3.7.1	N
DS3 Path Link Up	3.7.1	N
DS3 Path Port Down Due to Admin	3.7.1	N
DS3 Path Port Down Due to Oper	3.7.1	N
DS3 Path Port Down Due to Card	3.7.1	N
DS3 Path Port Up	3.7.1	N
Fan-Tray Down	Prime Network 3.8	N

Table 12-101 Supported Service Events for Cisco ACE 4700—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Fan-Tray Out	Prime Network 3.8	N
Keepalive Not Set	3.7.1	N
Keepalive Set	3.7.1	N
GRE Tunnel Down	3.7.1	N
GRE Tunnel Up	3.7.1	N
Primary HSRP Interface Is Active	3.7.1	N
Primary HSRP Interface Is Not Active	3.7.1	N
Interface Status Down GRE Tunnel	3.7.1	N
Interface Status Down Connection	3.7.1	N
Interface Status Down Nonconnection	3.7.1	N
Interface Status Up	3.7.1	N
L2TP Peer Not Established	3.7.1	N
L2TP Peer Is Removed	3.7.1	N
L2TP Peer Established	3.7.1	N
Layer 2 Tunnel Up	3.7.1	N
LDP Neighbor Down	3.7.1	N
LDP Neighbor Up	3.7.1	N
Link Down Due to Admin Down	3.7.1	N
Link Down Due to Oper Down	3.7.1	N
Link Down Due to Card Event	3.7.1	N
Link Down on Unreachable	3.7.1	N
Link Up	3.7.1	N
Link Utilization Normal	3.7.1	N
Local Switching Entry Down	3.7.1	N
Logical Port Down	3.7.1	N
Logical Port Up	3.7.1	N
High Priority Member Down	3.7.1	N
Memory Overutilized	3.7.1	N
Memory OK	3.7.1	N
MPLS Black Hole Found	3.7.1	N
MPLS Black Hole Cleared	3.7.1	N
MPLS Interface Added	3.7.1	N
MPLS Interface Removed	3.7.1	N

Table 12-101 Supported Service Events for Cisco ACE 4700—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
MPLS TE FRR State Changed to Active	3.7.1	N
MPLS TE FRR State Changed to Ready	3.7.1	N
MPLS TE Tunnel Down	3.7.1	N
Medium Priority MPLS TE Tunnel Down	3.7.1	N
Low Priority MPLS TE Tunnel Down	3.7.1	N
MPLS TE Tunnel Up	3.7.1	N
OSPF Neighbor Down	3.7.1	N
OSPF Neighbor Up	3.7.1	N
Port Down Due to Admin	3.7.1	N
Port Down Due to Oper	3.7.1	N
Port Down Due to Card Event	3.7.1	N
Port Up	3.7.1	N
Power Supply Down	3.8	N
Rx Dormant Normal	3.7.1	N
Rx Overutilized	3.7.1	N
Rx Utilization Normal	3.7.1	N
Shelf In	3.7.1	N
Shelf Out	3.7.1	N
SONET Path Link Down Due to Admin Down	3.7.1	N
SONET Path Link Down Due to Card	3.7.1	N
SONET Path Link Down on Unreachable	3.7.1	N
SONET Path Link Up	3.7.1	N
SONET Path Port Down Due to Admin Down	3.7.1	N
SONET Path Port Down Due to Card	3.7.1	N
SONET Path Port Up	3.7.1	N
Tx Dormant Normal	3.7.1	N
Tx Overutilized	3.7.1	N
Tx Utilization Normal	3.7.1	N

Cisco Service Control Engines

This section includes the following information about Cisco SCE switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Service Control Engines](#)):

This section contains the following topics:

- [Cisco SCE—Supported Topologies, page 12-125](#)
- [Cisco SCE—Supported Technologies, page 12-125](#)
- [Cisco SCE—Supported Service Events, page 12-125](#)

Cisco SCE—Supported Topologies

Table 12-102 Supported Topologies for Cisco SCE—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Business	Business	3.7
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7
L2 Fabric	L2 Fabric Link	4.2

Cisco SCE—Supported Technologies

The following technologies are supported by the Cisco SCE in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)
- [Serial, page 12-202](#)

Cisco SCE—Supported Service Events

Table 12-103 Supported Service Events for Cisco SCE—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.1	Y
Active IP Interfaces Found	3.7.1	Y
BGP Process Up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
CPU Overutilized	3.7.1	N

Table 12-103 Supported Service Events for Cisco SCE—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
Device Unsupported	3.7.1	Y
Layer 2 Tunnel Down	3.7.1	N
Link Up	3.7.1	N
Memory Overutilized	3.7.1	N
MPLS Black Hole Found	3.7.1	N

Cisco ME1200 Series Carrier Ethernet Switches

This section includes the following information about switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco ME1200 Series Carrier Ethernet Switches](#)):

This section contains the following topics:

- [Supported Software Versions, page 12-126](#)
- [Supported Topologies, page 12-127](#)
- [Supported Technologies, page 12-127](#)
- [—Supported Service Events, page 12-127](#)

Supported Software Versions

Table 12-104 Supported Software Versions for —Cisco Prime Network Version 5.3

Software Version	Product Version
15.4(2)SN	Prime Network-04.1(00X)DP1405
15.4(2)SN1	Prime Network-04.1(00X)DP1405
XE3.13 (15.4(3)SN)	PrimeNetwork-4.1-DP1409†
XE3.14 (15.5(1)SN)	PrimeNetwork-4.1-DP1501†
XE3.15(15.5(2)SN)	PrimeNetwork-4.1-DP1505

Table 12-104 Supported Software Versions for —Cisco Prime Network Version 5.3 (Continued)

Software Version	Product Version
XE3.16(15.5(3)SN)	
XE3.17(15.6(1)SN)	
XE3.18(15.6(2)SN)	
XE 15.6(3)SN-3.19	Prime Network 4.3.1-DP161 1

Supported Topologies

Table 12-105 Supported Topologies for —Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	4.2

Supported Technologies

The following technologies are supported by the in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Ethernet, page 12-147](#)
- [TDM/DSx, page 12-162](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [LLDP, page 12-185](#)
- [Ethernet OAM, page 12-186](#)

—Supported Service Events

Table 12-106 Supported Service Events for —Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
MPLS Link down	4.2.2	N
MPLS Link up	4.2.2	N
ptp clock mode changed	4.2.2	N

Cisco Nexus 6000 Series Switches

This section includes the following information about Cisco Nexus 6000 switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Nexus 6000 Series Switches](#)):

This section contains the following topics:

- [Cisco Nexus 6000—Supported Software Versions](#), page 12-128
- [Cisco Nexus 6000—Supported Topologies](#), page 12-128
- [Cisco Nexus 6000—Supported Modules](#), page 12-129
- [Cisco Nexus 6000—Supported Technologies](#), page 12-129
- [Cisco Nexus 6000—Supported Service Events](#), page 12-130

Cisco Nexus 6000—Supported Software Versions

Table 12-107 Supported Software Versions for Cisco Nexus 6000—Cisco Prime Network Version 5.3

Software Version	Product Version
6.0(2)N2(3)	PN 4.0, PN 4.1,PN 42
6.0(2)N2(5)2	PN 4.0, PN 4.1,PN 42

Cisco Nexus 6000—Supported Topologies

Table 12-108 Supported Topologies for Cisco Nexus 6000—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.7.2
Fiber Channel (FC + FCoE)	Fiber Channel	PrimeNetwork 4.0
LAG	LAG	3.7.2
Physical Layer	Physical Layer	3.7.2
L2 Fabric	L2 Fabric Link	Prime Network 4.2

Cisco Nexus 6000—Supported Modules

Table 12-109 Supported Modules for Cisco Nexus 6000—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
N2K-2348UPQ	PN 4.0,PN 4.1,PN4.2	cevN2KC2348UPQFixedModule
N2K-2348TQ	PN 4.0,PN 4.1,PN4.2	cevN2KC2348TQFixedModule

¹.1.3.6.1.4.1.9.12.3.1.9.78.17

².1.3.6.1.4.1.9.12.3.1.9.78.18

Cisco Nexus 6000—Supported Technologies

The following technologies are supported by the Cisco Nexus 6000 in Cisco Prime Network Version 5.3:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [VPN \(VRF\), page 12-169](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [VPCDomain, page 12-192](#)
- [VPCPortChannel, page 12-192](#)
- [VPCPeerLinkPh, page 12-193](#)
- [VPCKeepAliveLinkPh, page 12-193](#)
- [FabricPathContainer, page 12-193](#)
- [FabricPathInterfaceTableEntry, page 12-194](#)
- [FiberChannel, page 12-199](#)
- [VSAN, page 12-200](#)

Cisco Nexus 6000—Supported Service Events

Table 12-110 Supported Service Events for Cisco Nexus 6000—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.7.2	Y
Active IP Interfaces Found	3.7.2	Y
Card Down	3.7.2	Y
Card Up	3.7.2	Y
Card Out	3.7.2	Y
Card In	3.7.2	Y
Chassis Disconnected	Prime Network 3.10	Y
Chassis Connected	Prime Network 3.10	Y
CPU Overutilized	3.7.2	N
Device Unsupported	3.7.2	N
Fan-Tray Down	3.8	N
Fan-Tray Out	3.8	N
Lag Admin Down	3.7.3	Y
Lag Oper Down	3.7.3	Y
Lag Up	3.7.3	Y
Lag Link Admin Down	3.7.3	Y
Lag Link Oper Down	3.7.3	Y
Lag Link Down on Unreachable	3.7.3	Y
Lag Link Up	3.7.3	Y
Link Down Due to Admin Down	3.7.2	Y
Link Down Due to Oper Down	3.7.2	Y
Link Down Due to Card Event	3.7.2	Y
Link Up	3.7.2	N
Memory Overutilized	3.7.2	N
Power Supply Down	3.8	N
Pluggable Transceiver Out	3.8	N

Cisco Catalyst 3850 Series Switches

This section includes the following information about Cisco 3850 Series switches (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Cisco Catalyst 3850 Series Switches](#)):

This section contains the following topics:

- [Cisco 3850 Series—Supported Software Versions, page 12-131](#)
- [Cisco 3850 Series—Supported Topologies, page 12-132](#)
- [Cisco 3850 Series—Supported Modules, page 12-133](#)
- [Cisco 3850 Series—Supported Technologies, page 12-135](#)
- [Cisco 3850 Series—Supported Service Events, page 12-135](#)

Cisco 3850 Series—Supported Software Versions

Table 12-111 Supported Software Versions for Cisco 3850 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
XE 16.7.1	DP 1711
IOS-XE 16.3.5b	DP 1801 ¹
3.6.3E	DP 1803
IOS XE 3.6.3E	PrimeNetwork-4.3-DP1807
IOS-XE 16.03.06	PrimeNetwork-4.3-DP1807
03.03.01.SE	PrimeNetwork-3.10xTo3.11x-DP1407, PrimeNetwork-4.1-DP1407,,PrimeNetwork-4.0-DP1407
XE16.4.1	Prime Network 4.3.1-DP1611
IOS-XE 16.3.2	Prime Network 4.3.2-DP1705

Table 12-111 Supported Software Versions for Cisco 3850 Series—Cisco Prime Network Version 5.3

Software Version	Product Version
03.06.04.E	Prime Network 4.2.2-DP1707 ²
Polaris 16.6.1	Prime Network 4.2.2-DP1707 ³
IOS-XE 16.3.8	Prime Network 5.0 DP 1909

^{1,2,3} Cisco Catalyst 3650 Series Switches

Cisco 3850 Series—Supported Topologies

Table 12-112 Supported Topologies for Cisco 3850 Series—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	3.11
LAG	LAG	3.11
Physical Layer	Physical Layer	3.6.0
L2 Fabric	L2 Fabric Link	4.2
WS-3850-48T-E	WS-3850-48T-E	DP 1803
WS-C3850-12S-S	WS-C3850-12S-S	PrimeNetwork-4.3-DP 1807

Cisco 3850 Series—Supported Modules

Table 12-113 Supported Modules for Cisco 3850 Series—Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
C3850-NM-4-1G	PrimeNet work-3.10xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
WS-C3850-48T - FIXED MODULE 0	PrimeNet work-3.10xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
2X1G 2X10G UPLINK MODULE	PrimeNet work-3.10xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
WS-C3850-48T - FAN	PrimeNet work-3.10xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	

Table 12-113 Supported Modules for Cisco 3850 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
C3KX-PWR-350WA	PrimeNet work-3.10 xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
4X10G UPLINK MODULE	PrimeNet work-3.10 xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
PWR-C1-350WAC	PrimeNet work-3.10 xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
PWR-C1-715WAC	PrimeNet work-3.10 xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	

Table 12-113 Supported Modules for Cisco 3850 Series—Cisco Prime Network Version 5.3 (Continued)

Module Name	Product Version	Module Description
PWR-C1-440WDC	PrimeNet work-3.10 xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
PWR-C1-1100WAC	PrimeNet work-3.10 xTo3.11x-DP1407, PrimeNet work-4.1-DP1407,, PrimeNet work-4.0-DP1407	
WS-3850-48T-E	DP1803	
C3850-NM-2-10G	DP1803	
C3850-NM-4-10G	DP1803	
C3850-NM-4-1G	DP1803	

Cisco 3850 Series—Supported Technologies

The following technologies are supported by the Cisco 3850 Series in Cisco Prime Network Version 5.3:

- [Ethernet, page 12-147](#)
- [Hardware, page 12-173](#)

Cisco 3850 Series—Supported Service Events

Table 12-114 Supported Service Events for Cisco 3850 Series—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
All IP Interfaces Down	3.10	Y
Active IP Interfaces Found	3.10	Y
Card Down	3.10	Y
Card Up	3.10	Y

Table 12-114 Supported Service Events for Cisco 3850 Series—Cisco Prime Network Version 5.3 (Continued)

Event Name	Product Version	Expedited
CPU Overutilized	3.10	N
Device Unsupported	3.10	N
Link Up	3.11	N

Supported Technologies on Cisco Switches

The following sections list the objects and attributes that are supported on Cisco switches in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 12-137](#)
- [Routing Protocols, page 12-144](#)
- [Ethernet, page 12-147](#)
- [ATM, page 12-155](#)
- [Frame Relay, page 12-158](#)
- [PPP, page 12-159](#)
- [HDLC, page 12-160](#)
- [SONET/SDH, page 12-160](#)
- [TDM/DSx, page 12-162](#)
- [MPLS, page 12-166](#)
- [MPLS-TE, page 12-167](#)
- [VPN \(VRF\), page 12-169](#)
- [PWE3, page 12-171](#)
- [Security, page 12-172](#)
- [Hardware, page 12-173](#)
- [Port, page 12-181](#)
- [Additional Technologies, page 12-182](#)
- [LocalSwitching, page 12-182](#)
- [BFD, page 12-183](#)
- [Carrier Ethernet, page 12-184](#)
- [LLDP, page 12-185](#)
- [CDP, page 12-186](#)
- [Ethernet OAM, page 12-186](#)
- [QoS, page 12-190](#)
- [VPCDomain, page 12-192](#)
- [VPCPortChannel, page 12-192](#)

- [VPCPeerLinkPh](#), page 12-193
- [VPCKeepAliveLinkPh](#), page 12-193
- [FabricPathContainer](#), page 12-193
- [FabricPathInterfaceTableEntry](#), page 12-194
- [IPMulticast](#), page 12-194
- [FiberChannel](#), page 12-199
- [VSAN](#), page 12-200
- [RLFA](#), page 12-201
- [Serial](#), page 12-202

IP

Table 12-115 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS
IMO Name—IPInterface																
IP Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Subnetwork Mask		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface Addresses Array		Y				Y	Y		Y		Y	Y	Y	Y	Y	Y
Interface Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Interface Description	Y						Y		Y	Y	Y	Y	Y	Y		Y
IP Interface State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
OSPF Interface Cost																
Broadcast Address										Y						
MTU																
Lookup Method																
Address Resolution Type																
ARP Timeout																
Secured ARP																
ICMP Mask Reply																
IGMP Proxy																
HSRP Groups									Y		Y ¹					Y
IP Multiplexing Table																
IANA Type	Y									Y						
Containing CTPs																
Contained CTPs																

Table 12-115 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS
IMO Name—IIPMuxEntry																
Termination Point						Y	Y		Y							Y
Destination IP Subnet						Y	Y		Y						Y	Y
IMO Name—IRoutingEntity																
Routing Table		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ARP Entity		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y
Routing Table Changes														Y		
Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Logical Sons	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y
Multicast Routing Table																
IMO Name—IRoutingEntry																
Destination IP Subnet		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Next Hop IP Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Type		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Routing Protocol Type		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Outgoing Interface Name		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y
IMO Name—IARPEntity																
ARP Table	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IARPEntity																
IP Address	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Port	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y
Entry Type				Y					Y	Y		Y	Y	Y		Y
IMO Name—IIPPool																
IP Address Pool Entries																
Name																
IMO Name—IIPPoolEntry																
Free Address																
Reserved Address																
Address In Use																
Group Name																
Pool Type																
Status																
Priority																

Table 12-115 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS
VRF Oid																
IMO Name—IIPRangeBasedIPPoolEntry																
Range Start																
Range End																
Unused Addresses																
Used Addresses																
Reserved Addresses																
IMO Name—IIPSubnetBasedIPPoolEntry																
IP Subnet																
Unused Addresses																
Used Addresses																
Reserved Addresses																
IMO Name—HSRPGroupEntry																
Group Number								Y		Y ²	Y ³					Y
Port Description								Y		Y ⁴	Y ⁵					Y
Priority								Y		Y ⁶	Y ⁷					Y
Coupled Router								Y		Y ⁸	Y ⁹					Y
State								Y		Y ¹ ₀	Y ¹ ₁					Y
Tracking Interfaces																
Virtual IP Address								Y		Y ¹ ₂	Y ¹ ₃					Y
Virtual MAC Address								Y		Y ¹ ₄	Y ¹ ₅					Y
IMO Name—ITunnelGRE																
Name	Y							Y		Y ¹ ₆	Y ¹ ₇	Y	Y			Y
Tunnel Destination and Source	Y							Y		Y ¹ ₈	Y ¹ ₉	Y	Y			Y
IP Address	Y							Y		Y ² ₀	Y ² ₁	Y	Y			Y
IP Interface State											Y					Y
IANA Type																
Containing CTPs																
Contained CTPs																

Table 12-115 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS
Keep Alive Time	Y								Y		Y	Y		Y		
Keep Alive Retry	Y								Y		Y	Y		Y		
IMO Name—IVrrpGroupEntry																
Group Number																
State																
Port Description																
Master IP Address																
Primary IP Address																
Priority																
Virtual Mac Address																
Preempt Mode																
Admin State																
Advertisement Interval																
Tracking Interfaces																
IMO Name—IIPSLAResponderService																
responderStatus			Y ² ₂													
TWAMPResponderStatus			Y ² ₃													
tcpConnect			Y ² ₄													
udpEcho			Y ² ₅													
IMO Name—IIPAddressPortPair																
type			Y ² ₆													
ipAddress			Y ² ₇													
port			Y ² ₈													

1, 2, 3, 4, 5, 6, 7 Not supported for version 12.2(58)SE1

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 Supported for 4503E, 4507RE, 4507, and 4506E only.

19, 20, 21, 22, 23, 24, 25, 26, 27, 28 Validated with 12.2(52)SG only.

Table 12-116 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 3000	ACE 4700	SCE	Nexus 6000	3850
IMO Name—IIPInterface															
IP Address		Y	Y				Y	Y	Y	Y	Y	Y	Y	Y	
Subnetwork Mask		Y	Y				Y	Y	Y	Y	Y	Y	Y	Y	
IP Interface Addresses Array		Y	Y				Y	Y	Y	Y	Y	Y	Y	Y	
Interface Name		Y	Y				Y	Y	Y	Y	Y	Y	Y	Y	
Interface Description		Y	Y				Y	Y	Y	Y	Y	Y	Y	Y	
IP Interface State		Y	Y				Y	Y	Y	Y	Y	Y		Y	Y
OSPF Interface Cost															
Broadcast Address															
MTU															
Lookup Method															
Address Resolution Type															
ARP Timeout															
Secured ARP															
ICMP Mask Reply															
IGMP Proxy															
HSRP Groups		Y	Y												
IP Multiplexing Table															
IANA Type															
Containing CTPs															
Contained CTPs															
IMO Name—IIPMuxEntry															
Termination Point															
Destination IP Subnet				Y	Y										
IMO Name—IIRoutingEntity															
Routing Table		Y	Y				Y	Y	Y	Y	Y	Y		Y	Y
ARP Entity		Y	Y				Y	Y	Y	Y	Y	Y		Y	Y
Routing Table Changes															
Name		Y	Y											Y	
Logical Sons		Y	Y											Y	
Multicast Routing Table				Y				Y							
IMO Name—IIRoutingEntry															
Destination IP Subnet		Y	Y					Y	Y	Y	Y	Y		Y	Y

Table 12-116 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 3000	ACE 4700	SCE		Nexus 6000	3850
Next Hop IP Address		Y	Y					Y	Y	Y	Y	Y		Y	Y	
Type	Y	Y	Y					Y	Y	Y	Y	Y		Y	Y	
Routing Protocol Type	Y	Y	Y					Y	Y	Y	Y	Y		Y	Y	
Outgoing Interface Name	Y	Y	Y					Y	Y	Y	Y	Y		Y	Y	
IMO Name—IARPEntity																
ARP Table	Y	Y	Y					Y	Y	Y	Y	Y	Y	Y	Y	
IMO Name—IARPEntity																
IP Address	Y	Y	Y					Y	Y	Y	Y	Y	Y	Y	Y	
MAC Address	Y	Y	Y					Y	Y	Y	Y	Y	Y	Y	Y	
Port	Y	Y	Y					Y	Y	Y	Y	Y	Y	Y	Y	
Entry Type	Y	Y	Y					Y	Y	Y	Y	Y	Y	Y	Y	
IMO Name—HIPPool																
IP Address Pool Entries																
Name																
IMO Name—HIPPoolEntry																
Free Address																
Reserved Address																
Address In Use																
Group Name																
Pool Type																
Status																
Priority																
VRF Oid																
IMO Name—HIPRangeBasedIPPoolEntry																
Range Start																
Range End																
Unused Addresses																
Used Addresses																
Reserved Addresses																
IMO Name—HIPSubnetBasedIPPoolEntry																
IP Subnet																
Unused Addresses																
Used Addresses																
Reserved Addresses																

Table 12-116 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 3000	ACE 4700	SCE	Nexus 6000	3850
IMO Name—HSRPGroupEntry															
Group Number	Y	Y	Y												
Port Description	Y	Y	Y												
Priority	Y	Y	Y												
Coupled Router	Y	Y	Y												
State	Y	Y	Y												
Tracking Interfaces															
Virtual IP Address	Y	Y	Y												
Virtual MAC Address	Y	Y	Y												
IMO Name—I TunnelGRE															
Name	Y														
Tunnel Destination and Source	Y														
IP Address	Y														
IP Interface State	Y														
IANA Type															
Containing CTPs															
Contained CTPs															
Keep Alive Time															
Keep Alive Retry															
IMO Name—IVrrpGroupEntry															
Group Number															
State															
Port Description															
Master IP Address															
Primary IP Address															
Priority															
Virtual Mac Address															
Preempt Mode															
Admin State															
Advertisement Interval															
Tracking Interfaces															
IMO Name—IIPSLAResponderService															
responderStatus															
TWAMPResponderStatus															

Table 12-116 IP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 3000	ACE 4700	SCE	Nexus 6000	3850
tcpConnect															
udpEcho															
IMO Name—IIPAddressPortPair															
type															
ipAddress															
port															

Routing Protocols

Table 12-117 Routing Protocols Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IBgpNeighborEntry																					
Remote Identifier							Y		Y		Y ¹	Y ²	Y			Y	Y	Y	Y	Y	Y
Neighbor Type																				Y	Y
Distributing Interfaces																					
Remote Address							Y		Y		Y ³	Y ⁴	Y			Y	Y	Y	Y	Y	Y
Remote Autonomous System							Y		Y		Y ⁵	Y ⁶	Y			Y	Y	Y	Y	Y	Y
Peer State							Y		Y		Y ⁷	Y ⁸	Y			Y	Y	Y	Y	Y	Y
Peer AdminState									Y											Y	Y
Hold Time							Y		Y		Y ⁹	Y ¹⁰	Y			Y	Y	Y	Y	Y	Y
Keep Alive Time							Y		Y		Y ¹¹	Y ¹²	Y			Y	Y	Y	Y	Y	Y
VrfName																				Y	Y
Adress family							Y													Y	Y
IMO Name—IospfEntry																					
Area Identifier									Y		Y ³	Y ⁴	Y			Y	Y		Y		
IP Address									Y		Y ⁵	Y ⁶	Y			Y	Y		Y		
Type									Y		Y ⁷	Y ⁸	Y			Y	Y		Y		

Table 12-117 Routing Protocols Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
Administrative Status									Y		Y ¹ ₉	Y ² ₀	Y			Y	Y		Y		
Ospf Entry State									Y		Y ² ₁	Y ² ₂	Y			Y	Y		Y		
IMO Name—IospfProcess																					
Process Id																			Y	Y	Y
OSPF Version																			Y	Y	Y
Router Id																			Y	Y	Y
IMO Name—IospfNeighbor																					
Neighbor Id																			Y	Y	Y
Outgoing Interface																			Y	Y	Y
State																			Y	Y	Y
Neighbor Interface Address																			Y	Y	Y
Area Id																			Y	Y	Y
IMO Name—IospfInterface																					
Area Id																			Y	Y	Y
Network Type																			Y	Y	Y
Cost																			Y	Y	Y
State																			Y	Y	Y
Interface Address																					
Type																			Y	Y	Y
IF Proirity																			Y	Y	Y
DR Id																			Y	Y	Y
BDR Id																			Y	Y	Y
IMO Name—IISpfTimers																					
Schedule Delay																			Y	Y	Y
Min Hold Time																			Y	Y	Y
Max Wait Time																			Y	Y	Y
IMO Name—IISISProcess																					
ISIS Version																			Y	Y	
Manual Area Address																			Y	Y	
IS Type																			Y	Y	
System Id																			Y	Y	
Process Id																			Y	Y	

Table 12-117 Routing Protocols Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IISISMetric																					
IS Type																			Y	Y	
Metric Style																			Y	Y	
Metric Value																			Y	Y	
Adress Family																			Y	Y	
IMO Name—IISISInterface																					
Interface Name																			Y	Y	
IMO Name—IISISNeighbor																					
IS Type																			Y	Y	
System Id																			Y	Y	
Admin State																			Y	Y	
Hold Time																			Y	Y	
SNPA																			Y	Y	
Interface Name																			Y	Y	
IP Address																			Y	Y	
Adress Family																			Y	Y	

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Supported for 4503E, 4507RE, 4507, and 4506E only.

12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 Validated with 12.2(52)SG only.

Table 12-118 Segment Routing Attributes Support on ISIS on Cisco Switches

Attribute	Nexus 9K
IMO Name—IISIS Process	
Net ID	Y
Micro Loop Avoidance	
Segment Routing Global Block Range	Y
Segment Routing Local Block Range	
Prefix SID Map	
MPLS Label Preference	Y
Node SID	Y

Table 12-118 Segment Routing Attributes Support on ISIS on Cisco Switches

Attribute	Nexus 9K
IMO Name—IIISISInterface	
SR Algorithm	
Prefix SID Flags	
Node Max SID Depth - Label Imposition	
TI-LFA	
IMO Name—IISegmentRoutingLabelTable	
Label	Y
Prefix / Interface	Y



Note

The above mentioned Segment Routing properties are not applicable to any other Cisco Switches.

Ethernet

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IISLinkAggregationGroup802dot3ad																					
dot3adAggMACAddress	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorSystemPriority	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorSystemID	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorAdminKey		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggActorOperKey	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggPartnerSystemID	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggPartnerSystemPriority	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggPartnerOperKey	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
dot3adAggCollectorMaxDelay	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GroupNumber	Y	Y	Y		Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
AggregationProtocolType	Y	Y	Y		Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y	Y
MacAddress	Y	Y	Y		Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y	Y

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 3000
ChannelAdminStatus	Y	Y	Y		Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y
ChannelOperStatus	Y	Y	Y		Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y
lagLoadBalancingType																						
bandWidth																						
LinkType																						
IMO Name—IEthernet																						
MAC Address	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	
Duplex Mode																						
Output Flow Control																						
Input Flow Control																						
IANA Type																	Y					
Containing CTPs																						
Contained CTPs																						
Port Type			Y																			
isElmiEnabled								Y								Y						
isLOAMEnabled								Y	Y							Y		Y	Y			
AutoNegotiate	Y		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			
FCID (Soft Property)																					Y	
WWN (Soft Property)																					Y	
FlowControl																						
IMO Name—IVlanInterface																						
Mode			Y		Y	Y	Y	Y		Y ¹	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Native VLAN Identification			Y		Y	Y	Y	Y		Y ²	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Virtual LAN Table																						Y
IANA Type																	Y					
Containing CTPs																		Y	Y			
Contained CTPs																		Y	Y			
vlanAdminType			Y					Y			Y			Y			Y	Y	Y	Y	Y	Y
vlanencapType			Y					Y			Y			Y			Y	Y	Y	Y	Y	Y
getAccess																						
Allowed Vlans								Y			Y			Y			Y	Y				
IMO Name—IVlanEncapMux																						
IANA Type							Y	Y														
Containing CTPs																						

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
Contained CTPs																						
discoveryProtocols																						
ingressPolicy																						
egressPolicy																						
controlPolicy																						
type																						
ID																						
egressSpeed																						
ingressSpeed																						
IMO Name—IVlanMapping																						
direction			Y ³						Y							Y	Y					
vlanMatchCriteria			Y ⁴						Y							Y	Y					
vlanRewriteDefinition			Y ⁵						Y							Y	Y					
Drop			Y ⁶						Y							Y	Y					
Vlan			Y ⁷						Y							Y	Y					
innerVlan			Y ⁸						Y							Y	Y				Y	
translatedVlan			Y ⁹						Y							Y	Y					
translatedInnerVlan			Y ¹⁰						Y							Y	Y					
IMO Name—IClientBridgeEfp																						
efpId																						
interfaceName																						
translatedInnerVLAN																						
vlan																						
innerVlan																						
operationalState																						
administrativeState																						
translatedVlan																						
RewriteDefinition																						
VlanMatchCriteria																						
IMO Name—IIEEE802																						
VLAN Identification			Y		Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y					
Binding Information																						
Binding Status																						

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IANA Type					Y	Y	Y	Y	Y	Y	Y					Y	Y				
Containing CTPs																					
Contained CTPs																					
IMO Name—IStpService																					
StpProtocol		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpMaxAge	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
StpHelloTime	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
StpBridgeForwardDelay	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
StpInstanceInfoTable		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
Same as ISystemService																				Y	
StpUplinkFastState		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpBackboneFastState		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpForwardDelay	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
StpBridgeMaxAge	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
StpBridgeHelloTime	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
IMO Name—IMstService																					
MstProperties		Y						Y						Y						Y	
Same as IStpService	Y	Y						Y						Y						Y	
IMO Name—IPvstpService																					
UpLinkFast		Y	Y		Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
BackboneFast		Y	Y		Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
IMO Name—IMstProperties																					
MstForceVersion		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
MstCfgIdFmtSel		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
MstExternalRootCost		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
MstMaxInstances		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
MstCfgIdName		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
MstCfgIdRevLevel		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
IMO Name—IStpInstanceInfo																					
Object Identification																				Y	
StpBridgeId		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
BridgePriority		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
Designated Parent and Root Bridges		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
StpRootCost		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
IsRoot		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpRootPort		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpPortInfoTable		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
STP Instance Id		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
Vlan Id																				Y	
StpDesignatedBridge		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpDesignatedRoot		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
IMO Name—IMstInstanceInfo																					
MstVlanIds		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
Same as IStpInstanceInfo		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
IMO Name—IPvstpInstanceInfo																					
Protocol Type		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpBridgeMaxAge		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpBridgeHelloTime		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpBridgeForwardDelay		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpProtocolSpecification		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpVlanId		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpForwardDelay		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
StpMaxAge		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	
IMO Name—IRstpInstanceInfo																					
StpForceVersion		Y	¹¹		Y	Y	Y	¹²	¹³	Y	Y	Y	Y		Y	¹⁴	Y	¹⁵	¹⁶		
Same as IStpInstanceInfo		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		
IMO Name—IStpPortInfo																					
StpPort		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortPriority		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortState		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortPathCost		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortEdgePort		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortPointToPoint		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortRole		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpDesignatedPortIdentifier		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpDesignatedBridge		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortIdentifier		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
StpPortBpduGuardState		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
StpPortBpduFilterState		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
IMO Name—IMstPortInfo																					
MstPortHelloTime		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y			Y		Y	Y		
Same as IStpPortInfo		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
IMO Name—IPvstpPortInfo																					
PvstpPortFastState		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	
IMO Name—IEthernetChannel																					
Group Number		Y ¹ ₈	Y		Y	Y ¹ ₉	Y ² ₀	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Bandwidth		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Aggregation Protocol		Y ² ₁	Y		Y	Y ² ₂	Y ² ₃	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
IANA Type		Y ² ₄	Y		Y	Y ² ₅	Y ² ₆	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Containing CTPs																				Y	Y
Contained CTPs																				Y	Y
Mac Address									Y									Y	Y	Y	Y
Admin Status									Y						Y			Y	Y	Y	Y
Oper Status									Y						Y			Y	Y	Y	Y
IMO Name—ITokenRingLayer2																					
MAC Address																					
IANA Type																					
Containing CTPs																					
Contained CTPs																					
IMO Name—ITokenRingLayer1																					
Same as IPhysicalLayer																					
IMO Name—IBridge																					
Bridge Table	Y	Y	Y			Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Type	Y	Y	Y			Y	Y		Y		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
MAC Address	Y	Y	Y			Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface		Y				Y	Y		Y	Y			Y			Y	Y	Y	Y	Y	Y
Name	Y	Y	Y			Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Logical Sons	Y	Y	Y			Y	Y			Y	Y	Y	Y		Y	Y	Y	Y	Y		
Vlan Type	Y		Y																		

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IBridgeEntry																					
Destination MAC		Y	Y			Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y
Outgoing Interface			Y						Y			Y	Y		Y	Y	Y	Y	Y	Y	Y
IMO Name—IVtpService																					
Version	Y	Y	27		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
OperatingMode	Y	Y	28		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
DomainName	Y	Y	29		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
ConfigurationRevision	Y	Y	30		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
isPruningEnabled	Y	Y	31		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
isAuthenticationEnabled	Y	Y	32		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
IMO Name—IREPService																					
version		Y ³ ₃	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
administrativeVlan		Y ³ ₄	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
notificationEnabled		Y ³ ₅	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
IMO Name—IREPSegmentInfo																					
segmentId		Y ³ ₆	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
segmentComplete		Y ³ ₇	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
IMO Name—IREPPortInfo																					
portName		Y ³ ₈	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
portKey		Y ³ ₉	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
segmentId		Y ⁴ ₀	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
portType		Y ⁴ ₁	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
portRole		Y ⁴ ₂	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
operStatus		Y ⁴ ₃	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
blockedVlans		Y ⁴ ₄	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		

Table 12-119 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
preemptTimer		Y ⁴ ₅	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
lslAgeoutTimer		Y ⁴ ₆	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
remoteDeviceName		Y ⁴ ₇	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
remoteDeviceMac		Y ⁴ ₈	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
remotePortName		Y ⁴ ₉	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
configuredLoadBalancingBlockedVlans		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y		
IMO Name—IBridgeLan																					
Id																					
IMO Name—IIBridgeEntry																					
IS Id																					
IBridge																					
BBridge																					
IMO Name—IEfp																					
egressSpeed																					
ingressSpeed																					

1, 2, 3SNMP is supported from Prime Network 3.6.0
 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20Not Supported on IOS version 12.2(25)SEE2
 21, 22, 23, 24, 25, 26, 27, 28Supported only on ME3400-E devices.
 29, 42, 43, 46, 47, 48, 49CSCti41937
 30, 31, 32, 33, 34, 35The MIB provides data by default, but the device does not support VTP.
 36, 37, 38, 39, 40, 41SNMP is supported on Prime Network 3.6.0 and later.
 44, 45Supported for 12.2(25)EWA14 only.

ATM

Table 12-120 ATM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IAtm																					
ATM Address																					
Interface Type																					
VP and VC Ranges																					
VC Table																Y					
Cross-Connect Table																					
IANA Type																Y					
Containing CTPs																					
Contained CTPs																					
Tx Allocated Bandwidth																Y					
Tx Maximum Bandwidth																Y					
Tx UBR Allocated Bandwidth																Y					
Tx CBR Allocated Bandwidth																Y					
Rx Allocated Bandwidth																Y					
Rx Maximum Bandwidth																Y					
Rx UBR Allocated Bandwidth																Y					
Rx CBR Allocated Bandwidth																Y					
IMO Name—IAtmVc																					
Virtual Channel Identifier																Y					
Virtual Path Identifier																Y					
Shaping Profile																					
Discarded and Received Input Data Counters																Y					
Dropped and Forward Output Data Counters																Y					
Ingress Traffic Descriptor																Y					
Egress Traffic Descriptor																Y					
Administrative Status																Y					
Operational Status																Y					
IANA Type																					
Containing CTPs																					
Contained CTPs																					

Table 12-120 ATM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IAtmTrafficDescriptor																					
Traffic Descriptor Type																Y					
Service Category																Y					
Cell Loss Priority																Y					
Cell Delay Variation																					
Cell Delay Variation Tolerance																Y					
Maximum High Priority and Aggregate Cell Rates																Y					
Minimum High Priority and Aggregate Cell Rates																Y					
Sustainable High Priority and Aggregate Cell Rates																Y					
Peak High Priority and Aggregate Cell Rates																Y					
Name																					
Index																					
IMO Name—IAtmTrafficShapingDescriptor																					
Maximum Burst Size																					
Sustainable and Peak Cell Rates																					
Cell Delay Variation																					
State																					
Buffer Size																					
Cell Loss Priority Discarded Size																					
Name																					
Index																					
IMO Name—IAtmTrunk																					
Same as IAtm																					
IMO Name—IAtmLogicalPort/Trunk																					
Resource Management Cell Termination																					
Resource Management Cell Generation																					
Effective Check Input and Output Capacities																					
Admin Status																					

Table 12-120 ATM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
Oper Status																						
Same as IAtm																						
IMO Name—IAtmTrunkVc																						
Destination Description																						
Same as IAtmVc																						
IMO Name—IVcSwitchingEntity																						
Cross Connect Table																						
crossConnectTableSize																						
Logical Sons																						
IMO Name—IIMAGroup																						
AdminStatus																						
OperStatus																						
GroupNumber																						
ImaVersion																						
Speed																						
ConfiguredBandwidth																						
NumberOfLinks																						
NumberOfActiveLinks																						
MinimumNumberOfTxLinks																						
MinimumNumberOfRxLinks																						
ClockMode																						
FrameLength																						
interfaceName																						
groupStatus																						

Frame Relay

Table 12-121 Frame Relay Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IFrameRelay/IFrTrunk																					
Protocol Type																					
VC Table																					
Cross-Connect Table																					
IANA Type																					
Containing CTPs																					
Contained CTPs																					
IMO Name—IFrVc																					
Data Link Connection Identifier																					
Traffic Descriptor																					
Discard and Received Input Data Counters																					
Dropped and Forward Output Data Counters																					
Ingress Traffic Descriptor																					
Egress Traffic Descriptor																					
Administrative Status																					
Operational Status																					
IANA Type																					
Containing CTPs																					
Contained CTPs																					
IMO Name—IFRTrafficDescriptor																					
Committed Rate																					
Excess Burst Rate																					
Name																					
Index																					
IMO Name—IFrameRelayLogicalPort/Trunk																					
Admin Status																					
Oper Status																					
Same as IFrameRelay																					
IMO Name—IFrTrunkVc																					
Destination Description																					

Table 12-121 Frame Relay Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
Same as IFRvC																						
IMO Name—IEncapsulation																						
Virtual Connection Interface															Y							
Binding Information																						

PPP

Table 12-122 PPP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IVcBasedEncapsulation																						
Virtual Connection																						
Binding Information																						
Binding Status															Y							
IANA Type															Y							
Containing CTPs																						
Contained CTPs																						
IMO Name—IMLPPP																						
InterfaceName																						
GroupNumber																						
MTU																						
FragmentDelay																						
FragmentDisable																						
FragmentMaximum																						
FragmentSize																						
Interleave																						
Keepalive																						
KeepaliveTime																						
KeepaliveRetry																						
ActiveLink																						
MinimumConfiguredLink																						

Table 12-122 PPP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
MaximumConfiguredLink																						
LocalMRRU																						
RemoteMRRU																						
LoadThreshold																						
LCPStatus																						
AdminStatus																						
OperStatus																						

HDLC

Table 12-123 HDLC Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IEncapsulation (HDLC/PPP)																						
Virtual Connection																						
Binding Information																Y						
Binding Status																Y						
IANA Type																Y						
Containing CTPs																						
Contained CTPs																						

SONET/SDH

Table 12-124 SONET/SDH Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IsonetSdh																						
Specific Type																						
Loopback Type																Y						

Table 12-124 SONET/SDH Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
Scrambling Mode																Y					
Same as IPhysicalLayer																					
TCAThresholdB1																					
TCAThresholdB2																					
TCAThresholdB3																					
clocking																					
IMO Name—IDS1PdhChannelized																					
Au4Number																					
Au3Number																					
Sts1Number																					
Sts3CNumber																					
Sts12CNumber																					
Tug3Number																					
Tug2Number																					
VtNumber																					
C11Number																					
C12Number																					
Vt15Number																					
Vt2Number																					
T1Number																					
T3Number																					
E1Number																					
E3Number																					
PathType																					
Description																					
IMO Name—ISonetSdhHop																					
Description																					
AppliqueType																					
PathType																					
IMO Name—ISonetSts1																					
Sts1Number																					
IMO Name—ISdhAu4																					
Au4Number																					

Table 12-124 SONET/SDH Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—ISdhAu3																						
Au3Number																						

TDM/DSx

Table 12-125 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IDS0Bundle																						
Bundled Time Slots																Y						
Bundle Location																						
IANA Type																Y						
Containing CTPs																						
Contained CTPs																						
AdminStatus																						
OperStatus																						
Encapsulation																						
Id																						
IMO Name—IDS1Pdh / IDS3Pdh																						
Framing Type																						
Cell Mapping Type																						
Loopback Type																Y						
Scrambling Mode																Y						
Same as IPhysicalLayer																						
portDescription																						
internationalBit																						
nationalBits																						
framing																						
lineCode																						
cableLength																						
recoveredClockingId																						

Table 12-125 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
clocking																					
loopback																					
alarmState																					
IMO Name—IClockService																					
ActiveClockSource																			Y	Y	
NcsMode																			Y	Y	
HoldTimeout																			Y	Y	
UseStratum4																			Y	Y	
Mode																			Y	Y	
NcsPriorityList																			Y	Y	
PtpService																			Y	Y	
ClockSourceTable																			Y	Y	
PseudowireClockRecovery																			Y	Y	
SynchronousEthernet																			Y	Y	
IMO Name—IClockSource																					
Priority																			Y	Y	
Source																			Y	Y	
Status																			Y	Y	
Type																			Y	Y	
IMO Name—IPtpService																					
Mode																					
ClockId																					
Domain																					
Priority1																					
Priority2																					
PtpEnabled																					
PtpInterfaceList																					
ptpState																					
IMO Name—IPtpInterface																					
Version																					
AnnounceInterval																					
AnnounceTimeout																					
DestinationAddress																					
SourceAddress																					

Table 12-125 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
DelayReq																					
MasterMode																					
SlaveMode																					
SyncInterval																					
SyncLimit																					
InterfaceXid																					
Role																					
Transport																					
State																					
IMO Name—IACRService																					
RecoveredClockSource																					
RecoveredClockMode																					
CemInterface																					
RecoveredClockList																					
IMO Name—IRecoveredClock																					
ClockId																					
RecoveredClockMode																					
Port																					
Cem																					
Status																					
FrequencyOffset																					
CEMGroupId																					
CEMInterfaceName																					
TransferType																					
IMO Name—ICEMEncap																					
cemIfName																					
IMO Name—ICEMGroup																					
IdlePattern																					
IdleCAS																					
DeJitter																					
PayloadSize																					
RTP																					
RTPHeader																					
TimeSlots																					

Table 12-125 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
AdminStatus																						
OperStatus																						
IMO Name—ISyncE																						
synchronousMode																			Y	Y		
equipmentClock																			Y	Y		
clockMode																			Y	Y		
ssmOption																			Y	Y		
esmcMode																			Y	Y		
holdOffTimer																			Y	Y		
waitToRestore																			Y	Y		
Revertive																			Y	Y		
IMO Name—ISyncEInterface																						
InterfaceName																						
selectionInput																			Y	Y		
ingressESMCMode																			Y	Y		
egressESMCMode																			Y	Y		
ingressQLMode																			Y	Y		
ingressQuality																			Y	Y		
egressQLMode																			Y	Y		
egressQuality																			Y	Y		
waitToRestore																			Y	Y		
holdOffTimer																			Y	Y		
ingressConfQuality																			Y	Y		
egressConfQuality																			Y	Y		
Priority																			Y	Y		
ingressSSM																			Y	Y		
egressSSM																			Y	Y		
clockModeStr																			Y	Y		

MPLS

Table 12-126 MPLS Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IMpls																					
Distribution Protocol									Y							Y	Y	Y	Y		
LabelStack																					
TopLabel																					
Outer and Inner Labels																					
Traffic Engineering Properties									Y							Y	Y	Y	Y		
Resource reservation Properties																					
IANA Type									Y							Y		Y	Y		
Containing CTPs																					
Contained CTPs																					
IMO Name—ILse																					
MPLS Table									Y							Y	Y	Y	Y		
MPLS Aggregate Table									Y							Y	Y	Y	Y		
MPLS Tunnel Segments									Y									Y	Y		
LDP Service									Y									Y	Y		
Logical Sons									Y							Y	Y	Y	Y		
IMO Name—ILdpService																					
Local Identification Status									Y									Y	Y		
LDP Peers									Y							Y	Y	Y	Y		
IMO Name—ILdpPeer																					
Peer Identification									Y							Y	Y	Y	Y		
Transport Address									Y							Y	Y	Y	Y		
Distribution Method									Y							Y	Y	Y	Y		
Protocol Type									Y									Y	Y		
Path Vector Limit									Y							Y	Y	Y	Y		
Session Status									Y							Y	Y	Y	Y		
Protocol Version Hold Time																Y	Y				
Hold Time									Y							Y	Y	Y	Y		
Keep Alive Time																Y	Y				
Peer Discovery Sources									Y							Y	Y	Y	Y		
IMO Name—ILdpDiscoverySource																					
Interface Name									Y							Y	Y	Y	Y		

Table 12-126 MPLS Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
Source Address									Y							Y	Y	Y	Y		
Type									Y							Y	Y	Y	Y		
IMO Name—IMplsEntry																					
Incoming Label									Y							Y	Y	Y	Y		
Outgoing Interface and Label									Y							Y	Y	Y	Y		
Switching Action									Y							Y	Y	Y	Y		
Next Hop IP Address									Y							Y	Y	Y	Y		
Destination Mask									Y							Y	Y	Y	Y		
Destination address									Y							Y	Y	Y	Y		
IMO Name—IMplsAggregateEntry																					
Virtual Routing Entity									Y							Y	Y	Y	Y		
Incoming Label									Y							Y	Y	Y	Y		
Outgoing Interface and Label									Y							Y	Y	Y	Y		
Switching Action									Y							Y	Y	Y	Y		
Next Hop IP Address									Y							Y	Y	Y	Y		
IMO Name—IMplsLabelRange																					
Type									Y									Y	Y		
minValue									Y									Y	Y		
MaxValue									Y									Y	Y		

MPLS-TE

Table 12-127 MPLS-TE Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IMplsTETunnel																					
Destination Address									Y							Y	Y	Y	Y		
Outgoing Interface and Label									Y							Y	Y	Y	Y		
LSP Identification									Y							Y	Y	Y	Y		
Requested Bandwidth									Y							Y	Y	Y	Y		
Measured Average Burst and Peak Bandwidth									Y							Y	Y	Y	Y		

Table 12-127 MPLS-TE Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
Setup and Hold Priority									Y							Y	Y	Y	Y		
Affinity Bits and Mask									Y							Y	Y	Y	Y		
Automatic Route Announcement Status									Y							Y	Y	Y	Y		
Optimization Lock Down Status									Y							Y	Y	Y	Y		
Path Option									Y							Y	Y	Y	Y		
Name									Y							Y	Y	Y	Y		
Description									Y							Y	Y	Y	Y		
Administrative Status									Y							Y	Y	Y	Y		
Operational Status									Y							Y	Y	Y	Y		
IANA Type									Y							Y	Y	Y	Y		
is FRR Enabled									Y									Y	Y		
TunnelType									Y									Y	Y		
DestinationAddress									Y									Y	Y		
Sub Lsp Status									Y									Y	Y		
OutInterface									Y												
OutLabel									Y												
TunnelAffinity									Y												
TunnelAffinityMask									Y												
TunnelAutoRoute									Y									Y	Y		
TunnelBandwidthKbps									Y												
TunnelAverageRateKbps									Y												
TunnelBurstKbps									Y												
TunnelPeakRateKbps									Y												
TunnelSetupPriority									Y												
TunnelHoldPriority									Y												
TunnelLockdown									Y												
TunnelPolicyClass									Y												
P2MPDestinations									Y									Y	Y		
IMO Name—IMplsTEProperties																					
Administrative Weight									Y							Y	Y	Y	Y		
Attributes Identifier																	Y				
Signaling Protocol									Y							Y		Y	Y		

Table 12-127 MPLS-TE Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
Available Physical and Reservable Bandwidth									Y							Y	Y	Y	Y		
Reserved Bandwidth									Y							Y	Y	Y	Y		
IMO Name—IMplsTEPropertiesAllocationEntry																					
Priority Level																					
Allocated and Cumulative Bandwidth																					
IMO Name—IMplsTESegment																					
Segment Type									Y							Y	Y				
Measured Average Burst and Peak Bandwidth									Y							Y	Y				
LSP Identification									Y							Y	Y				
Name									Y							Y	Y				
FRRTunnelName																		Y	Y		
FRRTunnelState																		Y	Y		
AverageBandwidth									Y							Y	Y				
In Interface									Y							Y	Y				
Out interface									Y							Y	Y				
In Label									Y							Y	Y				
Out Label									Y							Y	Y				
Source address									Y							Y	Y				
Destination address									Y							Y	Y				
TunnelType									Y												

VPN (VRF)

Table 12-128 VPN (VRF) Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000
IMO Name—IVrf																					
Virtual Routing Table							Y		Y							Y	Y	Y	Y		Y
Exported Route Targets							Y		Y							Y	Y	Y	Y		

Table 12-128 VPN (VRF) Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000
Imported Route Targets							Y		Y							Y	Y	Y	Y			
Route Distinguisher							Y		Y							Y	Y	Y	Y			
ARP Entity							Y		Y							Y	Y	Y	Y		Y	Y
Name							Y		Y							Y	Y	Y	Y		Y	Y
Logical Sons							Y		Y							Y	Y	Y	Y			
Description																		Y	Y			
Import Route-Map																		Y	Y			
Export Route-Map																		Y	Y			
Multicast Routing Table																					Y	
IMO Name—IVrfEntry																						
Next Hop BGP Address							Y		Y							Y	Y	Y	Y			
Incoming and Outgoing Inner Label							Y		Y							Y	Y	Y	Y			
Outer Label							Y		Y							Y	Y	Y	Y			
Destination IP Subnet							Y		Y							Y	Y	Y	Y	Y	Y	Y
Next Hop IP Address							Y		Y							Y	Y	Y	Y	Y	Y	Y
Type							Y		Y							Y	Y	Y	Y			
Routing Protocol Type							Y		Y							Y	Y	Y	Y	Y	Y	Y
Outgoing Interface Name							Y		Y							Y	Y	Y	Y	Y	Y	Y
IMO Name—IMpBgp																						
BGP Identifier							Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y
Local Autonomous System							Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y
Cross Virtual Routing Table									Y									Y	Y			
BGP Neighbors							Y		Y		Y	Y	Y				Y	Y	Y	Y	Y	Y
Logical Sons							Y		Y							Y	Y	Y	Y			
IMO Name—ICrossVrf																						
Virtual Routing Entries									Y										Y	Y		
Virtual Routing Entity Name									Y										Y	Y		
IMO Name—ICrossVrfRoutingEntry																						
Outgoing Virtual Routing Entity Identifier																						
Incoming and Outgoing Virtual Routing Tags																						
Destination IP Subnet									Y							Y	Y	Y	Y			
Next Hop IP Address									Y							Y	Y	Y	Y			

Table 12-128 VPN (VRF) Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000
Type									Y							Y	Y	Y	Y		
Routing Protocol Type									Y							Y	Y	Y	Y		
Outgoing Interface Name																					

PWE3

Table 12-129 PWE3 Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IPTPLayer2MplsTunnel																					
Local and Remote Router Addresses									Y							Y	Y	Y	Y		
Local and Remote Virtual Connection Labels									Y							Y	Y	Y	Y		
Tunnel Identification									Y							Y	Y	Y	Y		
Tunnel Status									Y							Y	Y	Y	Y		
Local and Remote Tunnel Interface																	Y				
IANA Type									Y							Y	Y	Y	Y		
Containing CTPs																					
Contained CTPs																					
PsuedowireType									Y							Y		Y	Y		
PreferredPathTunnel									Y							Y		Y	Y		
LocalMTU									Y							Y		Y	Y		
RemoteMTU									Y							Y		Y	Y		
PeerStatus									Y							Y		Y	Y		
SignalingProtocol									Y							Y		Y	Y		
psuedowireRole									Y												
PeerRouterIp									Y												
LocalRouterIp									Y												
LocalVcLabel									Y												
PeerVcLabel									Y												

Security

Table 12-130 Security Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IAccessList																					
Type		Y	Y						Y		Y ¹	Y ²	Y			Y	Y	Y	Y		
Access List Entries		Y	Y						Y		Y ³	Y ⁴	Y			Y	Y	Y	Y		
Name or Id		Y	Y						Y		Y ⁵	Y ⁶	Y			Y	Y	Y	Y		
Index		Y	Y						Y		Y ⁷	Y ⁸	Y			Y	Y	Y	Y		
IMO Name—IAccessListEntry																					
Entry Identification		Y	Y						Y		Y ⁹	Y ¹⁰	Y			Y	Y	Y	Y		
Action Logic		Y	Y						Y		Y ¹¹	Y ¹²	Y			Y	Y	Y	Y		
Source and Destination Address		Y	Y						Y		Y ¹³	Y ¹⁴	Y			Y	Y	Y	Y		
Source and Destination Wildcard		Y	Y						Y		Y ¹⁵	Y ¹⁶	Y			Y	Y	Y	Y		
Protocol Type		Y	Y						Y		Y ¹⁷	Y ¹⁸	Y			Y	Y	Y	Y		
Source and Destination Port Ranges		Y	Y						Y		Y ¹⁹	Y ²⁰	Y			Y	Y	Y	Y		
Source and Destination Port Action		Y	Y						Y		Y ²¹	Y ²²	Y			Y	Y	Y	Y		
Protocol Specific Info		Y	Y						Y		Y ²³	Y ²⁴	Y			Y	Y	Y	Y		
Differential Services Code Points		Y	Y						Y		Y ²⁵	Y ²⁶	Y			Y	Y	Y	Y		
Type of Service		Y	Y						Y		Y ²⁷	Y ²⁸	Y			Y	Y	Y	Y		
Precedence		Y	Y						Y		Y ²⁹	Y ³⁰	Y			Y	Y	Y	Y		
Matches		Y	Y						Y		Y ³¹	Y ³²	Y			Y	Y	Y	Y		

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Supported for 4503E, 4507RE, 4507, and 4506E only.

17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 Validated with 12.2(52)SG only.

Hardware

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000
IMO Name—IChassis																							
Description			Y	Y		Y		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
Equipment Holder Type				Y	Y			Y	Y	Y							Y	Y	Y	Y	Y	Y	Y
Contained Equipment Holders																				Y	Y	Y	Y
Contained Equipments																							
Serial Number	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Configuration State (Soft property)																							
Operability (Soft property)																							
Power (Soft property)																							
Thermal (Soft property)																							
Name (Soft property)																							
PID (Soft property)																							
VID (Soft property)																							
Role (Soft property)																							
Status																							
OperState																							
AdminState																							
Discvory State																							
Model																							
Connection Path																							
AvailState																							
Admin Power																							
Assoc State																							
Oper Power																							
Connection Status																							
Managing Instance																							
No.. of Processors																							
Low Voltage memory																							
Effective Memory																							
CheckPoint																							

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000	Nexus 7000
Total Memory																								
Operating Memory Speed																								
Slot Status																								
Cores																								
Threads																								
No.. of Adapters																								
No.. of HBA ports																								
No.. of NIC ports																								
UUID																								
IP Address (Soft property)																								
IMO Name—IShelf																								
Description																					Y	Y	Y	Y
Status																								
Equipment Holder Type																				Y	Y	Y	Y	
Contained Equipment Holders																								
Contained Equipments																								
Serial Number																				Y	Y	Y	Y	
IMO Name—IModule																								
Module Name		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Module Description			Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y ²	Y ³	Y	Y	Y	Y	Y
Software Version		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Operational Status		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Hardware Type + Version		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Managed IP Address																								
Redundant Equipment																								
Configured Redundancy											Y										Y	Y		Y
Redundancy Status					Y	Y	Y	Y			Y					Y	Y			Y	Y	Y	Y	Y
Operational Status Last Changed	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
Supported Physical Termination Points			Y	Y							Y	Y	Y			Y	Y							
Serial Number (soft property)	Y	Y	Y	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Model																								
Operability																								

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000
Integrated																							
Admin State(Soft property)																							
Discovery State(Soft property)																							
Power State (Soft property)																							
Slot ID (Soft property)																							
Chassis ID (Soft property)																							
Name (Soft property)																							
Description (Soft property)																							
PID (Soft property)																							
VID (Soft property)																							
Avail State (Soft property)																							
Assoc State (Soft property)																							
Slot Status (Soft property)																							
Check Point (Soft property)																							
Number Of Processor (Soft property)																							
Effective Memory (Soft property)																							
Total Memory (Soft property)																							
Operating Memory Speed (Soft property)																							
Operating Memory Voltage (Soft property)																							
Slot Number (Soft property)																							
Part Number (Soft property)																							
Running Version (Soft property)																							
Package Version (Soft property)																							
Backup Version (Soft property)																							
Update Status (Soft property)																							
Startup Version (Soft property)																							

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000	Nexus 7000
Activate Status (Soft property)																								
Slots Number																								
HostName (Soft Property)																								Y
MgmtIP (Soft Property)																								Y
TypeName (Soft Property)																								Y
vCPU (Soft Property)																								Y
haStatus (Soft Property)																								Y
status (Soft Property)																								Y
location (Soft Property)																								Y
swVersion (Soft Property)																								Y
domainId (Soft Property)																								Y
haPrimaryRole (Soft Property)																								Y
haPrimaryStatus (Soft Property)																								Y
primaryStatus (Soft Property)																								Y
primaryLocation (Soft Property)																								Y
primarySwVersion (Soft Property)																								Y
haSecondaryRole (Soft Property)																								Y
haSecondaryStatus (Soft Property)																								Y
secondaryStatus (Soft Property)																								Y
secondaryLocation (Soft Property)																								Y
secondarySwVersion (Soft Property)																								Y
AssociatedComputeServer																								
AssociatedHost																								
AssociatedEntity																								
EquipmentType																								
IMO Name—IPowerSupply																								
Same as IModule				Y			Y				Y	Y	Y			Y					Y	Y	Y	Y

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000	
IMO Name—IFanTray																								
Same as IModule				Y			Y				Y	Y	Y			Y								
IMO Name—IPluggableTransceiver																								
ConnectorDescription			Y	Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
PID			Y	Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
ConnectorSerialNumber			Y	Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
ConnectorType			Y	Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
PluggablePortState			Y	Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
PluggableType			Y	Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IManagedElement																								
IP Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Communication State		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Investigation State		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Category		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Type and Key		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Device Name		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y ⁴	Y ⁵	Y	Y	Y	Y	Y
System Name		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
System Description	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Up Time		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Vendor Identity		Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Memory and CPU Usage	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DRAM Free	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DRAM Used	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DRAM Usage	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Flash Device Size	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
NVRAM Size	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Processor DRAM	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Sys Contact	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Sys Location	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Serial Number	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
File Systems																								
IsVirtualElement																								
AssociatedHypervisor																								

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000	Nexus 7000
AssociatedVirtualMachine																								
AssociatedComputeServer																								
TimeZone																								
cidsHealthSecMonAvailability																								
cidsHealthSecMonOverallHealth																								
cidsHealthSecMonSoftwareVersion																								
cidsHealthSecMonSignatureVersion																								
cidsHealthSecMonLicenseStatus																								
cidsHealthSecMonMainAppStatus																								
cidsHealthSecMonAnalysisEngineStatus																								
cidsHealthSecMonCollaborationAppStatus																								
cidsHealthSecMonByPassMode																								
cidsHealthSecMonMissedPctAndThresh																								
cidsHealthSecMonAnalysisEngMemPercent																								
cidsHealthSecMonSensorLoad																								
cidsHealthSecMonVirtSensorName																								
cidsHealthSecMonVirtSensorStatus																								
cidsHealthSecMonPartitionName																								
cidsHealthSecMonTotalPartitionSpace																								
IMO Name—IContext																								
Name			Y		Y	Y		Y									Y			Y		Y		Y
Bounded Connections																				Y		Y		Y

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000	
IP Address Pools																					Y		Y	
Forwarding Components List																								
Traffic Descriptors List																								
Tunnel Containers List																								
Data Link Aggregation Containers List																					Y		Y	
IMO Name—ISystemService																								
Type																								
Status																								
Up Time		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				Y	Y	Y							
IMO Name—Iserver																								
Uuid																								
Maximum Memory																								
Effective Memory																								
Ip Address																								
Form Factor																								
Operating System																								
Hard Drive Properties																								
MemorySlot Properties																								
Processor																								
Operating Memory Speed																								
associatedHypervisor																								
AssociatedVEM																								
IMO Name—IHardDriveProperties																								
Model Name																								
Drive Type																								
Storage Capacity																								
Status																								
isFRU																								
IMO Name—IMemorySlotProperties																								
Slot Name																								
Location																								
Speed																								
Memory Capacity																								

Table 12-131 Hardware Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000	Nexus 7000
Status																								
IMO Name—IProcessor																								
cpu																								
coresperCpu																								
Model																								
Status																								
Vendor																								
ratedSpeed																								
usedSpeed																								
hyperThreadingEnabled																								
ramSize																								
nvRamSize																								
name																								
description																								
IMO Name—I module																								
TypeName (Soft Property)																								
primarySwVersion (Soft Property)																								
IMO Name—IBridge																								
Bridge Table		Y																						
Type		Y																						
MAC Address																								
IP Interface		Y																						
Name		Y																						
Logical Sons																								
Vlan Type		Y																						
IMO Name—IBridgeEntry																								
Destination MAC		Y																						
Outgoing Interface		Y																						

¹Supported for 12.2(50)SE only.

^{2,4}"show interfaces switchport" command will be used to get PortMode

^{3,5}Device Name is Mapped to Element Name in GUI

Port

Table 12-132 Port Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IPhysicalLayer																						
Media Type		Y	Y		Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y			Y	Y	
Clocking Source																Y	Y					
Maximum Speed	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Is Internal Port		Y	Y		Y	Y	Y	Y	Y		Y				Y	Y	Y			Y	Y	
Discarded Bandwidth																						
Dropped Bandwidth																						
Input Bandwidth																						
Output Bandwidth																						
Discarded and Received Input Data Counters		Y			Y	Y	Y	Y	Y	Y	Y				Y	Y	Y					
Dropped and Forward Output Data Counters		Y			Y	Y	Y	Y	Y	Y	Y				Y	Y	Y					
Administrative Status	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Operational Status	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Last Changed	Y	Y			Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y					
IANA Type		Y			Y	Y	Y	Y	Y		Y				Y	Y	Y					
Containing CTPs																						
Contained CTPs																						
Port Alias	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Location	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Sending Alarms	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Connector Description	Y	Y	Y		Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y	
Part ID		Y	Y		Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y	
Connector Serial Num		Y	Y		Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y	
Product		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y	
Status	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Managed		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
AssociatedPluggable																						
AinsSoak																						
Reach																						
WaveLength																						

Table 12-132 Port Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
facilityId																						
IMO Name—IDiscoveryProtocol																						
DiscoveryProtocolType	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y			
Info	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y			

Additional Technologies

Table 12-133 Additional Technologies Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—POS																						
POS			Y			Y	Y		Y			Y	Y			Y	Y					

LocalSwitching

Table 12-134 LocalSwitching Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—ILOCALSwitchingEntity																						
LocalSwitchingTable									Y							Y						
PWSwitchingTable																		Y	Y			
IMO Name—ILOCALSwitchingEntry																						
Local Switching Entry Key									Y							Y		Y	Y			
Local Switching Entry Status									Y							Y		Y	Y			
Segment 1									Y							Y		Y	Y			
Segment 1 Port Name									Y							Y		Y	Y			
Segment 1 Status									Y							Y		Y	Y			
Segment 2									Y							Y		Y	Y			
Segment 2 Port Name									Y							Y		Y	Y			

Table 12-134 LocalSwitching Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
Segment 2 Status									Y							Y		Y	Y		

BFD

Table 12-135 BFD Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IBfdService																					
Status									Y							Y		Y	Y	Y	Y
IMO Name—IBfdCommon																					
RegisteredProtocols									Y							Y		Y	Y	Y	Y
InterfaceName									Y							Y		Y	Y	Y	Y
IMO Name—IBfdSession																					
SourceIp									Y							Y		Y	Y	Y	Y
DestinationIp									Y							Y		Y	Y	Y	Y
Interval									Y							Y		Y	Y	Y	Y
Multiplier									Y							Y		Y	Y	Y	Y
Protocol									Y							Y		Y	Y	Y	Y
State									Y							Y		Y	Y	Y	Y
Interface									Y							Y		Y	Y	Y	Y
Process									Y							Y		Y	Y	Y	Y
BFDOffload																					
IMO Name—IBfdTemplatesEntry																					
BfdTemplateName																					
Unit																					
MinTxInterval																					
MinRxInterval																					
Multiplier																					

Carrier Ethernet

Table 12-136 Carrier Ethernet Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IVsi																					
vsiInstanceName																Y	Y	Y	Y		
vpnId																Y	Y	Y	Y		
discoveryMode																Y	Y	Y	Y		
vsiMode																Y	Y	Y	Y		
Operational state																Y	Y	Y	Y		
Administrative state																Y	Y	Y	Y		
IMO Name—IPseudowireProperties																					
isSplitHorizonEnabled																Y		Y	Y		
isAutoDiscovered																Y		Y	Y		
IMO Name—IVLANTaggedInterface																					
InterfaceName																Y				Y	Y
Inner Vlan Id																Y				Y	Y
Outer Vlan Id																Y					
Encap Type																Y					
Operational state																Y					
Administrative state																Y					
ConfiguredDescription																Y					
IMO Name—IEfp																					
EfpId																Y ¹		Y	Y		
RewriteParams																Y ²					
EncapsParams																Y ³		Y	Y		
AdminStatus																Y ⁴		Y	Y		
OperStatus																Y ⁵		Y	Y		
SplitHorizonGroup																Y ⁶					
MatchCriteria																Y ⁷		Y	Y		
ConfiguredDescription																Y					
GetServiceInstanceId																Y ⁸		Y	Y		
SetServiceInstanceId																Y ⁹		Y	Y		

1, 2, 3, 4, 5, 6, 7, 8, 9 For version greater than SRD SNMP is used

LLDP

Table 12-137 LLDP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—ILLDPService																					
status		Y ¹	Y ²					Y	Y ³		Y ⁴	Y ⁵	Y				Y ⁶	Y	Y	Y	Y
lldpAdvertisementsInterval		Y ⁷	Y ⁸					Y	Y ⁹		Y ¹⁰	Y ¹¹	Y				Y ¹²	Y	Y	Y	Y
lldpHoldTime		Y ¹³	Y ¹⁴					Y	Y ¹⁵		Y ¹⁶	Y ¹⁷	Y				Y ¹⁸	Y	Y	Y	Y
lldpReinitialisationDelay		Y ¹⁹	Y ²⁰					Y	Y ²¹		Y ²²	Y ²³	Y				Y ²⁴	Y	Y	Y	Y
localChassisID	Y	Y ²⁵	Y ²⁶					Y	Y ²⁷		Y ²⁸	Y ²⁹	Y				Y ³⁰	Y	Y	Y	Y
localSystemName	Y	Y ³¹	Y ³²					Y	Y ³³		Y ³⁴	Y ³⁵	Y				Y ³⁶	Y	Y	Y	Y
IMO Name—ILLDPNeighbor																					
localPortName		Y ³⁷	Y ³⁸					Y	Y ³⁹		Y ⁴⁰	Y ⁴¹	Y				Y ⁴²	Y	Y	Y	Y
remotePortDesc	Y	Y ⁴³	Y ⁴⁴					Y	Y ⁴⁵		Y ⁴⁶	Y ⁴⁷	Y				Y ⁴⁸	Y	Y	Y	Y
remoteChassisId	Y	Y ⁴⁹	Y ⁵⁰					Y	Y ⁵¹		Y ⁵²	Y ⁵³	Y				Y ⁵⁴	Y	Y	Y	Y
remoteManagementIP		Y ⁵⁵	Y ⁵⁶					Y	Y ⁵⁷		Y ⁵⁸	Y ⁵⁹	Y				Y ⁶⁰	Y	Y	Y	Y
localPortId		Y ⁶¹	Y ⁶²					Y	Y ⁶³		Y ⁶⁴	Y ⁶⁵	Y				Y ⁶⁶	Y	Y	Y	Y
remotePortId	Y	Y ⁶⁷	Y ⁶⁸					Y	Y ⁶⁹		Y ⁷⁰	Y ⁷¹	Y				Y ⁷²	Y	Y	Y	Y
remoteDeviceId	Y	Y ⁷³	Y ⁷⁴					Y	Y ⁷⁵		Y ⁷⁶	Y ⁷⁷	Y				Y ⁷⁸	Y	Y	Y	Y

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78. LLDP links are not modeled properly on IOS version 12.2(51) and earlier IOS versions that support LLDP. This is because the IOS displays the port description in place of local port ID in LLDP Neighbor Table.

CDP

Table 12-138 CDP Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 9000	Nexus 5000	Nexus 1000	Nexus 3000
IMO Name—ICdpService																								
cdpHoldtime	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpMessageInterval	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpDeviceId	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpState	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cdpVersion	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—ICdpNeighbor																								
remoteDeviceId	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
remotePortId	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
remoteIPAddress	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
localPortId	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Ethernet OAM

Table 12-139 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—ICfmService																					
cacheSize			Y						Y							Y	Y	Y	Y		
maximumCacheSize			Y						Y							Y	Y	Y	Y		
holdTime			Y						Y							Y	Y	Y	Y		
version			Y						Y							Y	Y	Y	Y		
maintenanceIntermediatePointsTable			Y						Y							Y	Y	Y	Y		
maintenanceDomain			Y						Y							Y	Y	Y	Y		
IMO Name—IMaintenanceDomain																					
name			Y						Y							Y	Y	Y	Y		
level			Y						Y							Y	Y	Y	Y		
Id			Y						Y							Y	Y	Y	Y		

Table 12-139 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
maintenanceAssociation			Y						Y							Y	Y	Y	Y		
IMO Name—IMaintenanceEndPoint																					
macAddress			Y						Y							Y	Y	Y	Y		
Interface			Y						Y							Y	Y	Y	Y		
continuityCheckStatus			Y						Y							Y	Y	Y	Y		
direction			Y						Y							Y	Y	Y	Y		
IMO Name—IMaintenanceAssociation																					
name			Y						Y							Y	Y	Y	Y		
associationType			Y						Y							Y	Y	Y	Y		
maximalMeps			Y						Y							Y	Y	Y	Y		
continuityCheckInterval			Y						Y							Y	Y	Y	Y		
continuityCheckEnable			Y						Y							Y	Y	Y	Y		
crossCheckEnable			Y						Y							Y	Y	Y	Y		
direction			Y						Y							Y	Y	Y	Y		
bridge			Y						Y							Y	Y	Y	Y		
maintenanceEndPoints			Y						Y							Y		Y	Y		
cfmRemoteMaintenanceEndPoints			Y						Y							Y	Y	Y	Y		
IMO Name—IMaintenanceIntermediatePoint																					
level			Y						Y							Y	Y	Y	Y		
cfmInterface			Y						Y							Y	Y	Y	Y		
isAutocreated			Y						Y							Y	Y	Y	Y		
Vlans			Y						Y							Y	Y	Y	Y		
macAddress			Y						Y							Y	Y	Y	Y		
IMO Name—IRemoteMaintenanceEndPoint																					
mepId			Y						Y							Y	Y	Y	Y		
macAddress			Y						Y							Y	Y	Y	Y		
level			Y						Y							Y	Y	Y	Y		
maintenanceEndPointStatus			Y						Y							Y	Y	Y	Y		
maintenanceEndPointOid			Y						Y							Y	Y	Y	Y		
IMO Name—IOAMData																					
adminState			Y						Y							Y		Y	Y		
pduMaxRate			Y						Y							Y		Y	Y		
pduMinRate			Y						Y							Y		Y	Y		

Table 12-139 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
linkTimeout			Y						Y							Y		Y	Y		
highThresholdAction			Y						Y							Y		Y	Y		
linkFaultAction			Y						Y							Y		Y	Y		
dyingGaspAction			Y						Y							Y		Y	Y		
criticalEventAction			Y						Y							Y		Y	Y		
mode			Y						Y							Y		Y	Y		
unidirectional			Y						Y							Y		Y	Y		
linkMonitor			Y						Y							Y		Y	Y		
remoteLoopback			Y						Y							Y		Y	Y		
portStatus			Y						Y							Y		Y	Y		
loopbackStatus			Y						Y							Y		Y	Y		
remoteData			Y						Y							Y		Y	Y		
name			Y						Y							Y		Y	Y		
ethernetPort			Y						Y							Y		Y	Y		
IMO Name—IOAMRemoteData																					
macAddress			Y						Y							Y		Y	Y		
vendor			Y						Y							Y		Y	Y		
mode			Y						Y							Y		Y	Y		
unidirection			Y						Y							Y		Y	Y		
linkMonitor			Y						Y							Y		Y	Y		
remoteLoopback			Y						Y							Y		Y	Y		
IMO Name—IUNIProperties																					
UNIId			Y						Y							Y		Y	Y		
isServiceMultiplexing			Y						Y							Y		Y	Y		
isBundlingEnabled			Y						Y							Y		Y	Y		
bundlingType			Y						Y							Y		Y	Y		
IMO Name—IEthernetLMI																					
isGlobalEnabled			Y ¹						Y ²												
mode			Y ³						Y ⁴												
ELMIInterfaces			Y						Y							Y		Y	Y		
deviceEVCs			Y						Y							Y		Y	Y		
IMO Name—IDeviceEVC																					
EVCName			Y						Y							Y		Y	Y		
EVCStatus			Y						Y							Y		Y	Y		

Table 12-139 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
EVCType			Y						Y							Y		Y	Y		
cfmMaName			Y						Y							Y		Y	Y		
configuredRemoteUNICount			Y						Y							Y		Y	Y		
activeRemoteUNICount			Y						Y							Y		Y	Y		
UNIInterfaces			Y						Y							Y		Y	Y		
IMO Name—IUNIInterfaces																					
UNIStatus			Y						Y							Y		Y	Y		
UNIId			Y						Y							Y		Y	Y		
interfaceName			Y						Y							Y		Y	Y		
vlanList			Y						Y							Y		Y	Y		
lmiLinkStatus			Y						Y							Y		Y	Y		
IMO Name—IELMIInterfaces																					
interfaceName			Y						Y							Y		Y	Y		
T391			Y						Y							Y		Y	Y		
T392			Y						Y							Y		Y	Y		
N391			Y						Y							Y		Y	Y		
N393			Y						Y							Y		Y	Y		
IMO Name—IProbe																					
Profile Name																		Y	Y		
Source MEP																		Y	Y		
Source MAC Address																		Y	Y		
Destination																		Y	Y		
OAM Domain																		Y	Y		
Measurement Type																		Y	Y		
Ethernet Virtual Connection																		Y	Y		
Packet Size																		Y	Y		
Packets Per Burst																		Y	Y		
Burst Period																		Y	Y		
IMO Name—IDelayMeasurementEntry																					
Statistics Type																		Y	Y		
Aggregate Bin Count																		Y	Y		
Aggregate Bin Boundaries																		Y	Y		
Bucket Size																		Y	Y		
AggregationPeriod																		Y	Y		

Table 12-139 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
AggregateBurstCycles																		Y	Y		
IMO Name—I LossMeasurementEntry																					
Statistics Type																		Y	Y		
Aggregate Bin Count																		Y	Y		
Aggregate Bin Boundaries																		Y	Y		
Bucket Size																		Y	Y		
AggregationPeriod																		Y	Y		
AggregateBurstCycles																		Y	Y		
AvailabilityAlgorithm																		Y	Y		
ConsecutiveFrames																		Y	Y		
consecutiveFramesForLossRatio																		Y	Y		
Aggregate Bin Count																					

^{1, 2, 3, 4}Supported from IOS version 12.2(35)SE onwards

QoS

Table 12-140 QoS Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—I ServicePolicyContainer																					
																		Y	Y		
IMO Name—I ServicePolicy																					
PolicyName																		Y	Y		
PolicyType																		Y	Y		
ProcessingStrategy																		Y	Y		
PolicyTrigger																		Y	Y		
IMO Name—I PolicyRule																					
Name																		Y	Y		
RuleType																		Y	Y		
MatchCondition																		Y	Y		
ActionExecutionStrategy																		Y	Y		

Table 12-140 QoS Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IPolicyRuleActionEntry																					
PolicyRuleIdentifier																			Y	Y	
SequenceNumber																			Y	Y	
ActionType																			Y	Y	
AssociatedEntity																			Y	Y	
AffectedEntityValue																			Y	Y	
IMO Name—IPolicyGroup																					
PolicyName																			Y	Y	
PolicyType																			Y	Y	
ProcessingStrategy																			Y	Y	
PolicyTrigger																			Y	Y	
IMO Name—IQoSContainer																					
																			Y	Y	
IMO Name—IClassOfServiceContainer																					
																			Y	Y	
IMO Name—IClassOfService																					
Name																			Y	Y	
CosType																			Y	Y	
MatchCriteriaMatchingStrategy																			Y	Y	
IMO Name—IClassOfServiceMatchCriteriaEntry																					
Index																			Y	Y	
MatchType																			Y	Y	
MatchCondition																			Y	Y	
MatchValue																			Y	Y	
AssociatedEntity																			Y	Y	
IMO Name—IInterfaceAssociationEntry																					
EntityAssociation																					
InterfaceName																					

VPCDomain

Table 12-141 VPCDomain Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IVPCDomain																					
DomainId																				Y	Y
KeepAlive Status																				Y	Y
VPC Role																				Y	Y
Graceful Consistency Check Enabled																				Y	Y
FabricPathSwitchId																				Y	Y
PeerStatus																				Y	Y
Consistency Status																				Y	Y
PeerGateway Enabled																				Y	Y
AutoRecovery Enabled																				Y	Y
VpcDomainMacAddress																				Y	Y

VPCPortChannel

Table 12-142 VPCPortChannel Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IVPCPortChannel																					
VpcID																				Y	Y
PortChannel																				Y	Y
PortStatus																				Y	Y
Consistency Status																				Y	Y
Consistency Reason																				Y	Y

VPCPeerLinkPh

Table 12-143 VPCPeerLinkPh Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	
IMO Name—IVPCPeerLinkPh																							
id																						Y	Y
PortChannel																						Y	Y
Status																						Y	Y

VPCKeepAliveLinkPh

Table 12-144 VPCKeepAliveLinkPh Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	
IMO Name—IVPCKeepAliveLinkPh																							
Destination																					Y	Y	Y
Status																					Y	Y	Y
Interval																					Y	Y	Y
Timeout																					Y	Y	Y
HoldTimeout																					Y	Y	Y
Port																					Y	Y	Y

FabricPathContainer

Table 12-145 FabricPathContainer Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	
IMO Name—IFabricPathContainer																							
FabricPathSwitchId																					Y	Y	Y
GracefulMergeDisabled																					Y	Y	Y
Allocate Delay																					Y	Y	Y

Table 12-145 FabricPathContainer Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 9000	Nexus 7000	Nexus 5000	Nexus 1000
Linkup Delay																					Y	Y	
Transition Delay																					Y	Y	
SystemID																					Y	Y	

FabricPathInterfaceTableEntry

Table 12-146 FabricPathInterfaceTableEntry Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000	
IMO Name—IFabricPathInterfaceTableEntry																							
InterfaceName																					Y	Y	
Port																					Y	Y	

IPMulticast

Table 12-147 IPMulticast Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000
IMO Name—IIGMP																							
NsfStatus																					Y	Y	
IMO Name—IIGMPInterfacesEntry																							
InterfaceName																					Y	Y	
InterfaceAddress																					Y	Y	
AssociatedEntity																					Y	Y	
VRF																					Y	Y	
IGMPStatus																					Y	Y	
IGMPVersion																					Y	Y	
IMO Name—IIGMPGroupsEntry																							
GroupAddress																					Y	Y	

Table 12-147 IPMulticast Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000
InterfaceName																					Y	Y
AssociatedEntity																					Y	Y
VRF																					Y	Y
UpTime																					Y	Y
Expires																					Y	Y
LastReporter																					Y	Y
IMO Name—IIGMPGroupRangesEntry																						
GroupRange																					Y	Y
Protocol																					Y	Y
IMO Name—IPIM																						
NsfStatus																					Y	Y
IMO Name—IPIMInterfaceEntry																						
InterfaceName																					Y	Y
AssociatedEntity																					Y	Y
IpAddress																					Y	Y
PimStatus																					Y	Y
HelloInterval																					Y	Y
DesignatedRouter																					Y	Y
DesignatedRouterPriority																					Y	Y
VrfName																					Y	Y
IMO Name—IPIMCandidateRendezvousPointEntry																						
CandidateRPIPAAddress																					Y	Y
Mode																					Y	Y
Scope																					Y	Y
Priority																					Y	Y
UpTime																					Y	Y
GroupList																					Y	Y
Vrf																					Y	Y
RpType																					Y	Y
IMO Name—IPIMTopologyEntry																						
SourceAddress																					Y	Y
GroupAddress																					Y	Y
PimMode																					Y	Y
TreeType																					Y	Y

Table 12-147 IPMulticast Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000
Uptime																				Y			Y
RpAddress																				Y			Y
JoinPruneStatus																				Y			Y
Rpf																				Y			Y
Vrf																				Y			Y
Flags																				Y			Y
IMO Name—IPIMNeighborEntry																							
VrfName																				Y			Y
NeighbourIPAddress																				Y			Y
InterfaceName																				Y			Y
AssociatedEntity																				Y			Y
Flags																				Y			Y
DesignatedRouterPriority																				Y			Y
UpTime																				Y			Y
VrfString																				Y			Y
IMO Name—IMulticastContainer																							
																				Y			Y
IMO Name—IIPV4MulticastAddressFamilyConfiguration																							
MdtSourceInterface																				Y			Y
MdtMLDP																							Y
MdtStatic																							Y
InterfaceAll																				Y			Y
Nsf																				Y			Y
AddressFamily																				Y			Y
IMO Name—IIPV6MulticastAddressFamilyConfiguration																							
MdtSourceInterface																							
MdtMLDP																							
MdtStatic																							
InterfaceAll																							
Nsf																							
AddressFamily																							
IMO Name—IMulticastGlobalInterfaceTableEntry																							
InterfaceName																							

Table 12-147 IPMulticast Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000
IMO Name—IRoutePoliciesEntry																						
Name																						
CoreTreeType;																						
IMO Name—IIPV4VRFMulticastConfiguration																						
VpnId																				Y		Y
RoutePolicy																						
BgpAD																				Y		Y
MdtSourceIf																				Y ¹		Y
MdtPartitioned																						
MdtAddress																				Y		Y
MdtData																				Y		Y
Nsf																				Y ²		Y
AddressFamily																				Y ³		Y
RpAddress																						
IMO Name—IIPV6VRFMulticastConfiguration																						
VpnId																						
RoutePolicy																						
BgpAD																						
MdtSourceIf																						
MdtPartitioned																						
MdtAddress																						
MdtData																						
Nsf																						
AddressFamily																						
RpAddress																						
IMO Name—IMultiCastLabelSwitchingContainer																						
IMO Name—IMLDPDatabaseContainer																						
IMO Name—IMLDPDatabase																						
FecRoot																						
IsThisFECRoot																						
LsmID																						
OpaqueValue																						

Table 12-147 IP Multicast Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000	Nexus 1000
TunnelType																							
IMO Name—IMLDPDatabaseDownstreamClientsEntry																							
EgressInterfaceName																							
AssociatedEntity																							
IngressState																							
LocalLabel																							
PpmpState																							
TableID																							
Uptime																							
IMO Name—IMLDPNeighborContainer																							
IMO Name—IMLDPPeers																							
Capabilities																							
MldpGR																							
PathCount																							
PeerID																							
Uptime																							
IMO Name—IMLDPPeerPathsEntry																							
InterfaceName																							
IpAddress																							
AssociatedEntity																							
Protocol																							
IMO Name—IMLDPPeerAdjacentListEntry																							
InterfaceName																							
AssociatedEntity																							
IpAddress																							
IMO Name—IVRFMrouteIpv4Entry																							
MgId																					Y		Y
SourceAddress																					Y		Y
GroupAddress																					Y		Y
Flags																					Y		Y
Uptime																					Y		Y
Protocol																					Y ⁴		Y

Table 12-147 IPMulticast Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 9000
IMO Name—IVRFMrouteIpv6Entry																						
MgId																				Y		Y
SourceAddress																				Y		Y
GroupAddress																				Y		Y
Flags																				Y		Y
Uptime																				Y		Y
Protocol																				Y ⁵		Y ¹ ₀

^{1,2,3}Hard-coded
^{4,5}Hardcoded

FiberChannel

Table 12-148 FiberChannel Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IFiberChannel																						
FcName																					Y	Y
PortDescription																					Y	Y
FcID																					Y	Y
TxB2BCredit																					Y	Y
RxB2BCredit																					Y	Y
AdminStatus																					Y	Y
OperStatus																					Y	Y
PortWWN																					Y	Y
Speed																					Y	Y
BindMacAddress																					Y	Y
IMO Name—IFiberChannelDomain																						
DomainID																					Y	Y
OperStatus																					Y	Y
RunningPriority																					Y	Y

Table 12-148 FiberChannel Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
LocalSwitchWWN																				Y	Y
RunningFabricName																				Y	Y
IMO Name—IFiberChannelLinkAggregation																					
ChannelID																				Y	Y
ChannelDescription																				Y	Y
AdminStatus																				Y	Y
OperStatus																				Y	Y
IMO Name—IFiberChannelDatabaseEntry																					
LocalfcName																				Y	Y
LocalFcConnectedInterface																				Y	Y
LocalPortWWN																				Y	Y
RemotePortWWN																				Y	Y
RemoteNodeWWN																				Y	Y
RemotePermanentPortWWN																				Y	Y
RemoteNodeIPAddress																				Y	Y
RemotePortName																				Y	Y
RemoteNodeName																				Y	Y
Fc4types																				Y	Y

VSAN

Table 12-149 VSAN Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000
IMO Name—IVSan																					
VsanID																				Y	Y
Name																				Y	Y
AdminStatus																				Y	Y
OperStatus																				Y	Y
InterOperMode																				Y	Y
AssociatedVlan																				Y	Y

Table 12-149 VSAN Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
InOrderDelivery																					Y	Y
Mtu																					Y	Y
inOrderDelivery																					Y	Y
LoadbalancingType																					Y	Y
IMO Name—IVSanInterface																						
Name																					Y	Y
AdminStatus																					Y	Y
OperStatus																					Y	Y
TrunkOperMode																					Y	Y
TrunkAdminMode																					Y	Y
AllowedVsans																					Y	Y
AdminPortMode																					Y	Y
OperPortMode																					Y	Y
VirtualInterface																					Y	Y
NativeVsan																					Y	Y
FiberChannel																					Y	Y
IMO Name—IVSanContainer																						
VSans																					Y	Y

RLFA

Table 12-150 RLFA Attribute Support on Cisco Switches—Cisco Prime Network Prime Network Version 5.3

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
IMO Name—IRLFAGlobalProperties																						
Broadcast interface disjoint																						
Downstream																						
Interface disjoint																						
IntfDisjoint																						
Linecard disjoint																						
Lowest metric																						

Table 12-150 RLFA Attribute Support on Cisco Switches—Cisco Prime NetworkPrime Network Version 5.3 (Continued)

Attribute	1900	2900	ME3400	CGS 2520	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	
Node protecting																						
Secondary path																						
SRLG																						
Load sharing																						
Primary path																						
IMO Name—IRLFATunnelEntry																						
Tunnel Name																						
Outgoing Interface																						
Next Hop																						
End Point																						
Protected Interface																						
Protected Interface IP Address																						

Serial

Table 12-151 Serial Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	SCE	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 9000
IMO Name—IPhysicalLayer					
Media Type	Y	Y	Y	Y	Y
Clocking Source					
Maximum Speed	Y	Y	Y	Y	Y
Is Internal Port		Y	Y	Y	Y
Discarded Bandwidth					
Dropped Bandwidth					
Input Bandwidth					
Output Bandwidth					
Discarded and Received Input Data Counters					
Dropped and Forward Output Data Counters					
Administrative Status	Y	Y	Y	Y	Y

Table 12-151 Serial Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3 (Continued)

Attribute	SCE	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 9000
Operational Status	Y	Y	Y	Y	Y
Last Changed	Y				
IANA Type					
Containing CTPs					
Contained CTPs					
Port Alias	Y	Y	Y	Y	Y
Location	Y	Y	Y	Y	Y
Sending Alarms	Y	Y	Y	Y	Y
Connector Description		Y	Y		Y
Part ID		Y	Y		Y
Connector Serial Num		Y	Y		Y
Product	Y	Y	Y	Y	Y
Status	Y	Y	Y	Y	Y
Managed	Y	Y	Y	Y	Y

VPCDomain

Table 12-152 VPCDomain Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 9000
IMO Name—IVPCDomain				
DomainId	Y	Y		
KeepAlive Status	Y	Y		
VPC Role	Y	Y		
Graceful Consistency Check Enabled	Y	Y		
FabricPathSwitchId	Y	Y		
PeerStatus	Y	Y		
Consistency Status	Y	Y		
PeerGateway Enabled	Y	Y		
AutoRecovery Enabled	Y	Y		
VpcDomainMacAddress	Y	Y		

VPCPortChannel

Table 12-153 VPCPortChannel Attribute Support on Cisco Switches—Cisco Prime Network Version 5.3

Attribute	Nexus 7000	Nexus 5000	Nexus 1000	Nexus 9000
IMO Name—IVPCPortChannel				
VpcID	Y	Y		Y
PortChannel	Y	Y		Y
PortStatus	Y	Y		Y
Consistency Status	Y	Y		Y
Consistency Reason	Y	Y		Y

Cisco Industrial Ethernet 2K—Additional Support

Cisco Industrial Ethernet 2K—Supported Software Versions

Table 12-154 Supported Software Versions for Cisco Industrial Ethernet 2K – Cisco Prime Network Version 5.3

Software Version	Product Version
15.2(4)EA5	Prime Network 5.0 DP 1805
15.2(4)EA8	Prime Network 4.3.1 DP 1905

Cisco Industrial Ethernet 2K—Supported Software Modules

Table 12-155 Supported Module for Cisco Industrial Ethernet 2K – Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
IE-2000-8TC-G-E	Prime Network 5.0 DP 1805	IE-2000-8TC-G-E

Table 12-155 Supported Module for Cisco Industrial Ethernet 2K – Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
IE-2000-16TC-G-E	Prime Network 5.0 DP 1805	IE-2000-16TC-G-E
IE-2000-16PTC-G-E	Prime Network 5.0 DP 1805	IE-2000-16PTC-G-E
IE-2000-8TC-G-L	Prime Network 4.3 DP 1811	IE-2000-8TC-G-L
IE-2000-16PTC-G-L	Prime Network 4.3 DP 1811	IE-2000-16PTC-G-L
IE-2000-16TC-G-L	Prime Network 4.3 DP 1901	IE-2000-16TC-G-L

Cisco Industrial Ethernet 2K—Supported Software Topologies

Table 12-156 Supported Topologies for Cisco Industrial Ethernet 2K – Cisco Prime Network Version 5.3

Support For	Product Version
Access list	Prime Network 5.0 DP 1805
Bridges	
CDP	
LLDP	
OS	
IP,IPV4,IPV6	
STP	
VTP	
OSPF	
QOS	
VRF	
PIM	
IGMP	

Cisco Industrial Ethernet 3K—Additional Support

Cisco Industrial Ethernet 3K—Supported Software Versions

Table 12-157 Supported Software Versions for Cisco Industrial Ethernet 3K – Cisco Prime Network Version 5.3

Software Version	Product Version
15.2(4)EA5	Prime Network 4.3 DP 1807

Cisco Industrial Ethernet 3K—Supported Software Modules

Table 12-158 Supported Module for Cisco Industrial Ethernet 3K – Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
IE-3010-16S-8PC	Prime Network 4.3 DP 1807	IIE-3010-16S -8PC
IE-3010-24TC	Prime Network 4.3 DP 1807	IE-3010-24T C

Cisco Industrial Ethernet 3K—Supported Software Topologies

Table 12-159 Supported Topologies for Cisco Industrial Ethernet 3K – Cisco Prime Network Version 5.3

Support For	Product Version
Access Lists	Prime
Bridges	Network 4.3
CDP	DP 1807
LLDP	
OS	
IP,IPV4,IPV6	
STP	
VTP	
OSPF	
QOS	
VRF	
PIM	
IGMP	

Cisco Industrial Ethernet 4K —Additional Support

Cisco Industrial Ethernet 4K—Supported Software Versions

Table 12-160 Supported Software Versions for Cisco Industrial Ethernet 4K – Cisco Prime Network Version 5.3

Software Version	Product Version
15.2(4)EA5	Prime Network 5.0 DP 1805
15.2.6E1	DP 1805
15.2(4)EA8	Prime Network 4.3.1 DP 1905

Cisco Industrial Ethernet 4K—Supported Software Modules

Table 12-161 Supported Module for Cisco Industrial Ethernet 4K – Cisco Prime Network Version 5.3

Module Name	Product Version	Module Description
IE-4000-4GC4GP4G-E	Prime Network 5.0 DP 1805	IE-4000-4GC 4GP4G-E
IE-4000-4T4P4G-E	Prime Network 5.0 DP 1805	IE-4000-4T4 P4G-E

Cisco Industrial Ethernet 4K—Supported Software Topologies

Table 12-162 Supported Topologies for Cisco Industrial Ethernet 4K – Cisco Prime Network Version 5.3

Support For	Product Version
Access Lists	Prime Network 5.0 DP 1805
Bridges	
CDP	
LLDP	
OS	
IP,IPV4,IPV6	
STP	
VTP	
OSPF	
QOS	
VRF	
PIM	
IGMP	



Support Information for VMware Devices

This chapter contains support information for Virtual Network Elements (VNEs) that manage VMware devices in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Cisco Prime Network 4.0 Reference Guide](#) .

This chapter contains the following topics:

- [VMware VirtualCenter Server, page 13-1](#)
- [Supported Technologies on VMware Devices, page 13-5](#)

VMware VirtualCenter Server

This section includes the following information about VMware vCenter Server devices (for information on the NE types supported in Cisco Prime Network Version 5.3, see [VMware VirtualCenter Server](#)):

This section contains the following topics:

- [VMware vCenter Server—Supported Software Versions, page 13-1](#)
- [VMware vCenter Server—Supported Topologies, page 13-2](#)
- [VMware vCenter Server—Supported Technologies, page 13-2](#)
- [VMware vCenter Server—Supported Service Events, page 13-3](#)

VMware vCenter Server—Supported Software Versions

Table 13-1 Supported Software Versions for VMware vCenter Server—Cisco Prime Network Version 5.3

Software Version	“Product_Version”
VMware vCenter Server 4.1.0	Prime Network 4.0
VMware vCenter Server 5.0.0	Prime Network 4.0
VMware vCenter Server 6.0	Prime Network 4.3 DP 1811

Table 13-1 Supported Software Versions for VMware vCenter Server—Cisco Prime Network Version 5.3

Software Version	“Product_Version”
VMware vCenter Server 6.5	Prime Network 4.3 DP 1811

VMware vCenter Server—Supported Topologies

Table 13-2 Supported Topologies for VMware vCenter Server—Cisco Prime Network Version 5.3

Topology Type	Link Type	“Product_Version”
Ethernet	Ethernet	Prime Network-4.0

VMware vCenter Server—Supported Technologies

The following technologies are supported by the VMware vCenter Server in Cisco Prime Network Version 5.3:

- [IP](#), page 13-6
- [Ethernet](#), page 13-9
- [Hardware](#), page 13-15
- [ComputeVirtualization](#), page 13-20
- [VirtualDataCenter](#), page 13-21
- [IVirtualDataStoresContainer](#), page 13-21
- [VirtualDataStore](#), page 13-22
- [HostClusterContainer](#), page 13-22
- [HostCluster](#), page 13-23
- [HostClusterCPUCapacityProvision](#), page 13-24
- [HostClusterMemoryCapacityProvision](#), page 13-24
- [HostClusterStatistics](#), page 13-25
- [HostEntry](#), page 13-25
- [HostsContainer](#), page 13-26
- [Host](#), page 13-26
- [HostHypervisor](#), page 13-27
- [HostProcessor](#), page 13-28
- [HostStatistics](#), page 13-29
- [HostCPUCapacityProvision](#), page 13-29

- [HostMemoryCapacityProvision](#), page 13-30
- [VirtualMachinesContainer](#), page 13-30
- [VirtualMachineTableEntry](#), page 13-31
- [VirtualMachine](#), page 13-31
- [VirtualMachineStatistics](#), page 13-33
- [VMCPUCapacityAllocation](#), page 13-33
- [VMMemoryCapacityAllocation](#), page 13-34
- [VMDiskCapacityAllocation](#), page 13-34
- [VMDataStoreUsage](#), page 13-35
- [HostDataStoreUsage](#), page 13-36
- [VirtualEntityNetworkEndPoint](#), page 13-36
- [ComputeResourcePool](#), page 13-37
- [ResourcePoolCPUCapacityProvision](#), page 13-38
- [ResourcePoolMemoryCapacityProvision](#), page 13-39
- [ResourcePoolStatistics](#), page 13-39

VMware vCenter Server—Supported Service Events

Table 13-3 Supported Service Events for VMware vCenter Server—Cisco Prime Network Version 5.3

Event Name	“Product _Version”	Expedite
VNE Switched to Low Polling Rate Due to CPU High Usage	Prime Network-4.0	N
VNE Switched Back to Regular Polling Rate	Prime Network-4.0	N
VNE Switched to a Limited Investigation Mode Due to High CPU Usage	Prime Network-4.0	N
Component Reachable	Prime Network-4.0	N
Component Unreachable	Prime Network-4.0	N
Device Partially Managed	Prime Network-4.0	N
CPU Overutilized	Prime Network-4.0	N

Table 13-3 Supported Service Events for VMware vCenter Server—Cisco Prime Network Version 5.3

Event Name	“Product _Version”	Expedite d
CPU Normal Utilization	Prime Network- 4.0	N
Device Unsupported	Prime Network- 4.0	N
Device Initializing	Prime Network- 4.0	N
Link Down Due to Admin Down	Prime Network- 4.0	N
Link Down Due to Oper Down	Prime Network- 4.0	N
Link Down on Unreachable	Prime Network- 4.0	N
Link Up	Prime Network- 4.0	N
Memory Overutilized	Prime Network- 4.0	N
Memory OK	Prime Network- 4.0	N
Port Down Due to Admin	Prime Network- 4.0	N
Port Down Due to Oper	Prime Network- 4.0	N
Port Up	Prime Network- 4.0	N

Supported Technologies on VMware Devices

The following sections list the objects and attributes that are supported on VMware devices in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP](#), page 13-6
- [Ethernet](#), page 13-9
- [Hardware](#), page 13-15
- [ComputeVirtualization](#), page 13-20
- [VirtualDataCenter](#), page 13-21
- [IVirtualDataStoresContainer](#), page 13-21
- [VirtualDataStore](#), page 13-22
- [HostClusterContainer](#), page 13-22
- [HostCluster](#), page 13-23
- [HostClusterCPUCapacityProvision](#), page 13-24
- [HostClusterMemoryCapacityProvision](#), page 13-24
- [HostClusterStatistics](#), page 13-25
- [HostEntry](#), page 13-25
- [HostsContainer](#), page 13-26
- [Host](#), page 13-26
- [HostHypervisor](#), page 13-27
- [HostProcessor](#), page 13-28
- [HostStatistics](#), page 13-29
- [HostCPUCapacityProvision](#), page 13-29
- [HostMemoryCapacityProvision](#), page 13-30
- [VirtualMachinesContainer](#), page 13-30
- [VirtualMachineTableEntry](#), page 13-31
- [VirtualMachine](#), page 13-31
- [VirtualMachineStatistics](#), page 13-33
- [VMCPUCapacityAllocation](#), page 13-33
- [VMMemoryCapacityAllocation](#), page 13-34
- [VMDiskCapacityAllocation](#), page 13-34
- [VMDataStoreUsage](#), page 13-35
- [HostDataStoreUsage](#), page 13-36
- [VirtualEntityNetworkEndPoint](#), page 13-36
- [ComputeResourcePool](#), page 13-37
- [ResourcePoolCPUCapacityProvision](#), page 13-38
- [ResourcePoolMemoryCapacityProvision](#), page 13-39

- [ResourcePoolStatistics](#), page 13-39

IP

Table 13-4 IP Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IIPInterface	
IP Address	Y
Subnetwork Mask	Y
IP Interface Addresses Array	
Interface Name	Y
Interface Description	Y
IP Interface State	Y
OSPF Interface Cost	
Broadcast Address	
MTU	Y
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANA Type	Y
Containing CTPs	
Contained CTPs	
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IIRoutingEntity	
Routing Table	
ARP Entity	
Routing Table Changes	

Table 13-4 IP Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
Name	
Logical Sons	
Multicast Routing Table	
IMO Name—IRoutingEntry	
Destination IP Subnet	Y
Next Hop IP Address	Y
Type	Y
Routing Protocol Type	Y
Outgoing Interface Name	Y
IMO Name—IARPEntity	
ARP Table	
IMO Name—IARPEntity	
IP Address	Y
MAC Address	Y
Port	Y
Entry Type	Y
IMO Name—IIPPool	
IP Address Pool Entries	
Name	
IMO Name—IIPPoolEntry	
Free Address	
Reserved Address	
Address In Use	
Group Name	
Pool Type	
Status	
Priority	
VRF Oid	
IMO Name—IIPRangeBasedIPPoolEntry	
Range Start	
Range End	
Unused Addresses	

Table 13-4 IP Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
Used Addresses	
Reserved Addresses	
IMO Name—HIPSubnetBasedIPPoolEntry	
IP Subnet	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—HSRPGroupEntry	
Group Number	
Port Description	
Priority	
Coupled Router	
State	
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	
IMO Name—ITunnelGRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IANA Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
IMO Name—IVrrpGroupEntry	
Group Number	
State	
Port Description	
Master IP Address	
Primary IP Address	

Table 13-4 IP Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
Priority	
Virtual Mac Address	
Preempt Mode	
Admin State	
Advertisement Interval	
Tracking Interfaces	
IMO Name—IIPSLAResponderService	
responderStatus	
TWAMPResponderStatus	
tcpConnect	
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Ethernet

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—ILinkAggregationGroup802dot3ad	
dot3adAggMACAddress	
dot3adAggActorSystemPriority	
dot3adAggActorSystemID	
dot3adAggActorAdminKey	
dot3adAggActorOperKey	
dot3adAggPartnerSystemID	

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
dot3adAggPartnerSystemPriority	
dot3adAggPartnerOperKey	
dot3adAggCollectorMaxDelay	
GroupNumber	
AggregationProtocolType	
MacAddress	
ChannelAdminStatus	
ChannelOperStatus	
IMO Name—IEthernet	
MAC Address	Y
Duplex Mode	
Output Flow Control	
Input Flow Control	
IANA Type	Y
Containing CTPs	
Contained CTPs	
Port Type	Y
isElmiEnabled	
isLOAMEnabled	
AutoNegotiate	
FCID (Soft Property)	
WWN (Soft Property)	
IMO Name—IVlanInterface	
Mode	
Native VLAN Identification	
Virtual LAN Table	
IANA Type	
Containing CTPs	
Contained CTPs	
vlanAdminType	
vlanencapType	
getAccess	

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
Allowed Vlans	
IMO Name—IVlanEncapMux	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IVlanMapping	
direction	
vlanMatchCriteria	
vlanRewriteDefinition	
Drop	
Vlan	
innerVlan	
translatedVlan	
translatedInnerVlan	
IMO Name—IIEEE802	
VLAN Identification	
Binding Information	
Binding Status	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IStpService	
StpProtocol	
StpMaxAge	
StpHelloTime	
StpBridgeForwardDelay	
StpInstanceInfoTable	
Same as ISystemService	
StpUplinkFastState	
StpBackboneFastState	
StpForwardDelay	
StpBridgeMaxAge	

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
StpBridgeHelloTime	
IMO Name—IMstService	
MstProperties	
Same as IStpService	
IMO Name—IPvstpService	
UpLinkFast	
BackboneFast	
IMO Name—IMstProperties	
MstForceVersion	
MstCfgIdFmtSel	
MstExternalRootCost	
MstMaxInstances	
MstCfgIdName	
MstCfgIdRevLevel	
IMO Name—IStpInstanceInfo	
Object Identification	
StpBridgeId	
BridgePriority	
Designated Parent and Root Bridges	
StpRootCost	
IsRoot	
StpRootPort	
StpPortInfoTable	
STP Instance Id	
Vlan Id	
StpDesignatedBridge	
StpDesignatedRoot	
IMO Name—IMstInstanceInfo	
MstVlanIds	
Same as IStpInstanceInfo	
IMO Name—IPvstpInstanceInfo	
Protocol Type	

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
StpBridgeMaxAge	
StpBridgeHelloTime	
StpBridgeForwardDelay	
StpProtocolSpecification	
StpVlanId	
StpForwardDelay	
StpMaxAge	
IMO Name—IRstpInstanceInfo	
StpForceVersion	
Same as IStpInstanceInfo	
IMO Name—IStpPortInfo	
StpPort	
StpPortPriority	
StpPortState	
StpPortPathCost	
StpPortEdgePort	
StpPortPointToPoint	
StpPortRole	
StpDesignatedPortIdentifier	
StpDesignatedBridge	
StpPortIdentifier	
StpPortBpduGuardState	
StpPortBpduFilterState	
IMO Name—IMstPortInfo	
MstPortHelloTime	
Same as IStpPortInfo	
IMO Name—IPvstpPortInfo	
PvstpPortFastState	
IMO Name—IEthernetChannel	
Group Number	
Bandwidth	
Aggregation Protocol	
IANA Type	

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
Containing CTPs	
Contained CTPs	
Mac Address	
Admin Status	
Oper Status	
IMO Name—ITokenRingLayer2	
MAC Address	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—ITokenRingLayer1	
Same as IPhysicalLayer	
IMO Name—IVtpService	
Version	
OperatingMode	
DomainName	
ConfigurationRevision	
isPruningEnabled	
isAuthenticationEnabled	
IMO Name—IREPService	
version	
administrativeVlan	
notificationEnabled	
IMO Name—IREPSegmentInfo	
segmentId	
segmentComplete	
IMO Name—IREPPortInfo	
portName	
portKey	
segmentId	
portType	
portRole	
operStatus	

Table 13-5 Ethernet Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
blockedVlans	
preemptTimer	
lslAgeoutTimer	
remoteDeviceName	
remoteDeviceMac	
remotePortName	
configuredLoadBalancingBlockedVlans	
IMO Name—IIBridgeILan	
Id	
IMO Name—IIBBridgeEntry	
IS Id	
IBridge	
BBridge	

Hardware

Table 13-6 Hardware Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IChassis	
Description	Y
Equipment Holder Type	Y
Contained Equipment Holders	
Contained Equipments	Y
Serial Number	
IMO Name—IShelf	
Description	
Status	

Table 13-6 Hardware Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	
Software Version	
Operational Status	Y
Hardware Type + Version	Y
Managed IP Address	
Redundant Equipment	
Configured Redundancy	
Redundancy Status	
Operational Status Last Changed	
Supported Physical Termination Points	
Serial Number (soft property)	
Slots Number	Y
HostName (Soft Property)	
MgmtIP (Soft Property)	
vCPU (Soft Property)	
haStatus (Soft Property)	
status (Soft Property)	
location (Soft Property)	
swVersion (Soft Property)	
domainId (Soft Property)	
haPrimaryRole (Soft Property)	
haPrimaryStatus (Soft Property)	
primaryStatus (Soft Property)	
primaryLocation (Soft Property)	
haSecondaryRole (Soft Property)	

Table 13-6 Hardware Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

	vmware vCenter
Attribute	
haSecondaryStatus (Soft Property)	
secondaryStatus (Soft Property)	
secondaryLocation (Soft Property)	
secondarySwVersion (Soft Property)	
IMO Name—IModule	
TypeName (Soft Property)	
primarySwVersion (Soft Property)	
IMO Name—IPowerSupply	
Same as IModule	
IMO Name—IFanTray	
Same as IModule	
IMO Name—IPluggableTransceiver	
ConnectorDescription	
PID	
ConnectorSerialNumber	
ConnectorType	
PluggablePortState	
PluggableType	
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	

Table 13-6 Hardware Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
Memory and CPU Usage	Y
DRAM Free	
DRAM Used	
DRAM Usage	
Flash Device Size	
NVRAM Size	
Processor DRAM	
Sys Contact	Y
Sys Location	Y
Serial Number	
File Systems	
IsVirtualElement	
AssociatedHypervisor	
AssociatedVirtualMachine	
AssociatedComputeServer	
TimeZone	
IMO Name—IContext	
Name	
Bounded Connections	
IP Address Pools	
Forwarding Components List	
Traffic Descriptors List	
Tunnel Containers List	
Data Link Aggregation Containers List	
IMO Name—ISystemService	
Type	
Status	
Up Time	
IMO Name—IBridge	
Bridge Table	
Type	
MAC Address	

Table 13-6 Hardware Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
IP Interface	
Name	
Logical Sons	
Vlan Type	
IMO Name—IBridgeEntry	
Destination MAC	
Outgoing Interface	
IMO Name—Iserver	
UUID	
Maximum Memory	Y
Effective Memory	Y
IP Address	Y
Operating System	Y
Associated Hypervisor	Y
IMO Name—IServer	
Form Factor	
Hard Drive Properties	Y
MemorySlot Properties	Y
Processor	Y
Operating Memory Speed	
IMO Name—IHardDriveProperties	
Model Name	Y
Drive Type	Y
Storage Capacity	Y
Status	Y
isFRU	
IMO Name—IMemorySlotProperties	
Slot Name	Y
Location	Y
Speed	Y
Memory Capacity	Y
Status	Y

Table 13-6 Hardware Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
IMO Name—IProcessor	
CPU	Y
Cores Per Cpu	Y
Model	
Status	
Vendor	
Rated Speed	Y
usedSpeed	
hyperThreadingEnabled	
Ram Size	Y
nvRamSize	
Name	Y
Description	Y

ComputeVirtualization

Table 13-7 ComputeVirtualization Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IComputeVirtualization	
name	Y
computeDataCenter	Y
virtualMachinesContainer	Y

VirtualDataCenter

Table 13-8 *VirtualDataCenter Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IVirtualDataCenter	
name	Y
description	Y
ipAddress	Y
dnsName	Y
virtualDataStoresContainer	Y
hostsContainer	Y
hostClusterContainer	Y
virtualMachinesContainer	Y

IVirtualDataStoresContainer

Table 13-9 *IVirtualDataStoresContainer Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IVirtualDataStoresContainer	
name	Y
virtualDataStore	Y

VirtualDataStore

Table 13-10 *VirtualDataStore Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IVirtualDataStore	
capacity	Y
freeSpace	Y
storageLocation	Y
isAccessible	Y
uuid	Y
associatedStorageDevice	Y
name	Y
virtualDatacenterName	Y
dataStoreDescription	Y
storageType	Y
provisionedSpace	Y
hostEntries	Y

HostClusterContainer

Table 13-11 *HostClusterContainer Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IHostClusterContainer	
name	Y
hostCluster	Y

HostCluster

Table 13-12 HostCluster Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostCluster	
name	Y
virtualDataCenterName	Y
description	Y
state	Y
isDRSEnabled	Y
isDPMEEnabled	Y
isHAEnabled	Y
noOfVMotionMigration	Y
evcMode	Y
migrationThreshold	Y
hostClusterCPUCapacityProvision	Y
hostClusterMemoryCapacityProvision	Y
hostClusterDiskCapacityProvision	Y
hostClusterStatistics	Y
hostEntry	Y
computeResourcePool	Y

HostClusterCPUCapacityProvision

Table 13-13 *HostClusterCPUCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO	
Name—IHostClusterCPUCapacityProvision	
reourceType	Y
allocateTable	Y
reserved	Y
unallocated	Y
overhead	Y
isUnlimitedProvision	Y
share	Y
customShareWeight	Y
unReserved	Y

HostClusterMemoryCapacityProvision

Table 13-14 *HostClusterMemoryCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO	
Name—IHostClusterMemoryCapacityProvision	
reourceType	Y
allocateTable	Y
reserved	Y
unallocated	Y
overhead	Y
isUnlimitedProvision	Y

Table 13-14 *HostClusterMemoryCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)*

Attribute	vmware vCenter
share	Y
customShareWeight	Y
unReserved	Y

HostClusterStatistics

Table 13-15 *HostClusterStatistics Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IHostClusterStatistics	
cpuUsage	Y
memoryUsage	Y
diskUsage	Y

HostEntry

Table 13-16 *HostEntry Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IHostEntry	
associatedHost	Y
hostName	Y

HostsContainer

Table 13-17 HostsContainer Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostsContainer	
name	Y
hosts	Y

Host

Table 13-18 Host Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHost	
hostDescription	Y
faultToleranceEnabled	Y
faultToleranceVersion	Y
associatedComputeServer	Y
virtualDataCenterName	Y
communicationState	Y
state	Y
evcMode	Y
isvMotionEnabled	Y
associatedCluster	Y
name	Y
description	Y
ipAddress	Y
dnsName	Y
lifeCycleState	
sysUpTime	Y
productSeries	

Table 13-18 Host Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	vmware vCenter
productFamily	
productType	
softwareType	
softwareVersion	
uuid	Y
macAddress	Y
vendor	Y
model	Y
hostHypervisor	Y
hostProcessor	Y
hostStatistics	Y
hostCPUCapacityProvision	Y
hostMemoryCapacityProvision	Y
hostDiskCapacityProvision	Y
virtualMachine	Y
hostDataStoreUsage	Y
virtualEntityNetworkEndPoint	Y
computeResourcePool	Y

HostHypervisor

Table 13-19 HostHypervisor Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostHypervisor	
name	Y
description	Y
hypervisorType	Y
softwareType	Y

Table 13-19 HostHypervisor Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
startTime	Y
state	Y
version	Y

HostProcessor

Table 13-20 HostProcessor Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostProcessor	
cpu	Y
coresPerCpu	Y
ratedSpeed	Y
hyperThreadingEnabled	Y
ramSize	Y
usedSpeed	Y
nvRamSize	Y
name	Y
description	Y

HostStatistics

Table 13-21 HostStatistics Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostStatistics	
cpuUsage	Y
memoryUsage	Y
diskUsage	Y

HostCPUCapacityProvision

Table 13-22 HostCPUCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostCPUCapacityProvision	
reourceType	Y
allocateTable	Y
reserved	Y
unallocated	Y
overhead	Y
isUnlimitedProvision	Y
share	Y
customShareWeight	Y
unReserved	Y

HostMemoryCapacityProvision

Table 13-23 *HostMemoryCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO	
Name—IHostMemoryCapacityProvision	
resourceType	Y
allocateTable	Y
reserved	Y
unallocated	Y
overhead	Y
isUnlimitedProvision	Y
share	Y
customShareWeight	Y
unReserved	Y

VirtualMachinesContainer

Table 13-24 *VirtualMachinesContainer Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO	
Name—IVirtualMachinesContainer	
name	Y
virtualMachineEntry	Y

VirtualMachineTableEntry

Table 13-25 VirtualMachineTableEntry Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IVirtualMachineEntry	
vmID	Y
vmName	Y
datacenterName	Y
associatedVMEntity	Y
hypervisor	Y
dnsName	Y
ipAddress	Y
macAddress	Y

VirtualMachine

Table 13-26 VirtualMachine Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IVirtualMachine	
vmID	Y
state	Y
vmVersion	Y
virtualCpu	Y
vmTemplate	Y
managementAddress	Y
virtualMachineDescription	Y
hostName	Y
virtualDatacenterName	Y
minRequiredEVCMode	Y

Table 13-26 VirtualMachine Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
faultToleranceEnabled	Y
sourceResourcePool	Y
name	Y
description	Y
ipAddress	Y
dnsName	Y
communicationState	
lifeCycleState	
sysUpTime	Y
productSeries	
productFamily	
productType	
softwareType	Y
softwareVersion	Y
uuid	Y
macAddress	Y
vendor	Y
model	Y
virtualMachineStatistics	Y
VMCPUCapacityAllocation	Y
VMMemoryCapacityAllocation	Y
VMDiskCapacityAllocation	Y
VMDataStoreUsage	Y
virtualEntityNetworkEndPoint	Y

VirtualMachineStatistics

Table 13-27 VirtualMachineStatistics Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IVirtualMachineStatistics	
cpuUsage	Y
memoryUsage	Y
diskUsage	Y
activeGuestMemoryUsage	Y

VMCPUCapacityAllocation

Table 13-28 VMCPUCapacityAllocation Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IVMCPUCapacityAllocation	
resourceType	Y
startUpAllocation	Y
guaranteedAllocation	Y
maxAllocation	Y
overheadAllocation	Y
isUnlimitedMaxAllocation	Y
isExpandableAllocation	Y
share	Y
customShareWeight	Y
priority	Y

VMMemoryCapacityAllocation

Table 13-29 *VMMemoryCapacityAllocation Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO	
Name—IVMMemoryCapacityAllocation	
resourceType	Y
startupAllocation	Y
guaranteedAllocation	Y
maxAllocation	Y
overheadAllocation	Y
isUnlimitedMaxAllocation	Y
isExpandableAllocation	Y
share	Y
customShareWeight	Y
priority	Y

VMDiskCapacityAllocation

Table 13-30 *VMDiskCapacityAllocation Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO	
Name—IVMDiskCapacityAllocation	
resourceType	Y
startupAllocation	Y
guaranteedAllocation	Y
maxAllocation	Y
overheadAllocation	Y

Table 13-30 *VMDiskCapacityAllocation Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)*

Attribute	vmware vCenter
isUnlimitedMaxAllocation	Y
isExpandableAllocation	Y
share	Y
customShareWeight	Y
priority	Y

VMDataStoreUsage

Table 13-31 *VMDataStoreUsage Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IVMDataStoreUsage	
dataStoreName	Y
associatedDatastore	Y
mountPoint	Y
allocatedSpace	Y
usedSpace	Y
freeSpace	Y

HostDataStoreUsage

Table 13-32 HostDataStoreUsage Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IHostDataStoreUsage	
dataStoreName	Y
associatedDatastore	Y
mountPoint	Y
allocatedSpace	Y
usedSpace	Y
freeSpace	Y
datastoreAccessible	Y

VirtualEntityNetworkEndPoint

Table 13-33 VirtualEntityNetworkEndPoint Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IVirtualEntityNetworkEndPoint	
macAddress.	Y
operStatus	Y
adminStatus	Y
duplexMode	Y
autoNegotiate	
speed	Y
mtu	Y
vlanId	
vlanMode	
vSwitchPortId	

Table 13-33 *VirtualEntityNetworkEndPoint Attribute Support on VMware Devices—Cisco Prime Network Version 5.3 (Continued)*

Attribute	vmware vCenter
ipAddress	Y
secondaryAddress	Y
owningVirtualEntityName	Y
virtualDatacenterName	Y
name	Y
computeResourceDescription	
dnsName	
portGroup	
promiscuousMode	
runtimeMacAddress	
endPointType	
physicalTerminationPoint	

ComputeResourcePool

Table 13-34 *ComputeResourcePool Attribute Support on VMware Devices—Cisco Prime Network Version 5.3*

Attribute	vmware vCenter
IMO Name—IComputeResourcePool	
name	Y
virtualDatacenterName	Y
resourcePoolProviderName	Y
description	Y
computeResourcePoolStatus	Y
isRootPool	Y
resourcePoolCPUCapacityProvision	Y
resourcePoolMemoryCapacityProvision	Y

Table 13-34 ComputeResourcePool Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
resourcePoolDiskCapacityProvision	Y
resourcePoolStatistics	Y

ResourcePoolCPUCapacityProvision

Table 13-35 ResourcePoolCPUCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO	
Name—IResourcePoolCPUCapacityProvision	
configuredReservation	Y
availableReservation	Y
resourceType	Y
allocateTable	Y
reserved	Y
unallocated	Y
overhead	Y
isUnlimitedProvision	Y
share	Y
customShareWeight	Y
unReserved	Y

ResourcePoolMemoryCapacityProvision

Table 13-36 ResourcePoolMemoryCapacityProvision Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IResourcePoolMemoryCapacityProvision	
configuredReservation	Y
availableReservation	Y
resourceType	Y
allocateTable	Y
reserved	Y
unallocated	Y
overhead	Y
isUnlimitedProvision	Y
share	Y
customShareWeight	Y
unReserved	Y

ResourcePoolStatistics

Table 13-37 ResourcePoolStatistics Attribute Support on VMware Devices—Cisco Prime Network Version 5.3

Attribute	vmware vCenter
IMO Name—IResourcePoolStatistics	
activeGuestMemoryUsage	Y
cpuUsage	Y
memoryUsage	Y
diskUsage	Y



Support Information for Generic Devices

This chapter contains support information for Virtual Network Elements (VNEs) that manage Generic devices in Cisco Prime Network Version 5.3. For more information about the objects and attributes described in this chapter, see [Cisco Active Network Abstraction 5.3 Reference Guide](#).

This chapter contains the following topics:

- [Generic SNMP VNE, page 14-1](#)
- [Generic ESXi Server, page 14-2](#)
- [Supported Technologies on Generic Devices, page 14-4](#)

Generic SNMP VNE

This section includes the following information about Generic SNMP VNE devices (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Generic SNMP VNE](#)):

This section contains the following topics:

- [Generic SNMP VNE—Supported Topologies, page 14-1](#)
- [Generic SNMP VNE—Supported Technologies, page 14-1](#)
- [Generic SNMP VNE—Supported Service Events, page 14-2](#)

Generic SNMP VNE—Supported Topologies

Table 14-1 Supported Topologies for Generic SNMP VNE—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
L2 Fabric	L2 Fabric Link	4.2

Generic SNMP VNE—Supported Technologies

The following technologies are supported by the Generic SNMP VNE in Cisco Prime Network Version 5.3:

- [IP, page 14-5](#)

- [Ethernet](#), page 14-8
- [ATM](#), page 14-16
- [Hardware](#), page 14-19

Generic SNMP VNE—Supported Service Events

Table 14-2 Supported Service Events for Generic SNMP VNE—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedite
Discard Packets	3.6.0	N
Dropped Packets on Port	3.6.0	N

Generic ESXi Server

This section includes the following information about Generic ESXi Server devices (for information on the NE types supported in Cisco Prime Network Version 5.3, see [Generic ESXi Server](#)):

This section contains the following topics:

- [Generic ESXi Server—Supported Software Versions](#), page 14-2
- [Generic ESXi Server—Supported Topologies](#), page 14-3
- [Generic ESXi Server—Supported Technologies](#), page 14-3
- [Generic ESXi Server—Supported Service Events](#), page 14-3

Generic ESXi Server—Supported Software Versions

Table 14-3 Supported Software Versions for Generic ESXi Server—Cisco Prime Network Version 5.3

Software Version	Product Version
VMware ESXi 4.1	Prime Network 4.0
VMware ESXi 5.0	Prime Network 4.0

Generic ESXi Server—Supported Topologies

Table 14-4 Supported Topologies for Generic ESXi Server—Cisco Prime Network Version 5.3

Topology Type	Link Type	Product Version
Ethernet	Ethernet	PrimeNetwork 4.0
Entity Association	Entity Association	PrimeNetwork 4.0
L2 Fabric	L2 Fabric Link	PrimeNetwork 4.2 Everest

Generic ESXi Server—Supported Technologies

The following technologies are supported by the Generic ESXi Server in Cisco Prime Network Version 5.3:

- [IP, page 14-5](#)
- [Ethernet, page 14-8](#)
- [Hardware, page 14-19](#)

Generic ESXi Server—Supported Service Events

Table 14-5 Supported Service Events for Generic ESXi Server—Cisco Prime Network Version 5.3

Event Name	Product Version	Expedited
VNE Switched to Low Polling Rate Due to CPU High Usage	PrimeNetwork 4.0	N
VNE Switched Back to Regular Polling Rate	PrimeNetwork 4.0	N
VNE Switched to a Limited Investigation Mode Due to High CPU Usage	PrimeNetwork 4.0	N
Device Partially Managed	PrimeNetwork 4.0	N
CPU Overutilized	PrimeNetwork 4.0	N
CPU Normal Utilization	PrimeNetwork 4.0	N
Device Unsupported	PrimeNetwork 4.0	N

Table 14-5 *Supported Service Events for Generic ESXi Server—Cisco Prime Network Version 5.3*

Event Name	Product Version	Expedited
Device Initializing	PrimeNetwork 4.0	N
Link Down Due to Admin Down	PrimeNetwork 4.0	N
Link Down Due to Oper Down	PrimeNetwork 4.0	N
Link Down on Unreachable	PrimeNetwork 4.0	N
Link Up	PrimeNetwork 4.0	N
Memory Overutilized	PrimeNetwork 4.0	N
Memory OK	PrimeNetwork 4.0	N
Port Down Due to Admin	PrimeNetwork 4.0	N
Port Down Due to Oper	PrimeNetwork 4.0	N
Port Down Due to Card Event	PrimeNetwork 4.0	N
Port Up	PrimeNetwork 4.0	N

Supported Technologies on Generic Devices

The following sections list the objects and attributes that are supported on Generic devices in Cisco Prime Network Version 5.3 per technology:

This section contains the following topics:

- [IP, page 14-5](#)
- [Ethernet, page 14-8](#)
- [ATM, page 14-16](#)
- [Hardware, page 14-19](#)

IP

Table 14-6 IP Attribute Support on Generic Devices—Cisco Prime Network Version 5.3

Attribute	Generic SNMP VNE	Generic ESXi Server
IMO Name—HInterface		
IP Address	Y	Y
Subnetwork Mask	Y	Y
IP Interface Addresses Array		
Interface Name		Y
Interface Description	Y	Y
IP Interface State	Y	Y
OSPF Interface Cost		
Broadcast Address		
MTU		
Lookup Method		
Address Resolution Type		
ARP Timeout		
Secured ARP		
ICMP Mask Reply		
IGMP Proxy		
HSRP Groups		
IP Multiplexing Table		
IANA Type		Y
Containing CTPs		
Contained CTPs		
IMO Name—HmuxEntry		
Termination Point		
Destination IP Subnet		
IMO Name—IRoutingEntity		
Routing Table	Y	Y
ARP Entity	Y	Y
Routing Table Changes		
Name	Y	Y

Table 14-6 IP Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Logical Sons	Y	Y
Multicast Routing Table		
IMO Name—IRoutingEntry		
Destination IP Subnet		Y
Next Hop IP Address		Y
Type		Y
Routing Protocol Type		Y
Outgoing Interface Name		Y
IMO Name—IARPEntity		
ARP Table		Y
IMO Name—IARPEntity		
IP Address		Y
MAC Address		Y
Port		Y
Entry Type		Y
IMO Name—IIPPool		
IP Address Pool Entries		
Name		
IMO Name—IIPPoolEntry		
Free Address		
Reserved Address		
Address In Use		
Group Name		
Pool Type		
Status		
Priority		
VRF Oid		
IMO Name—IIPRangeBasedIPPoolEntry		
Range Start		
Range End		
Unused Addresses		

Table 14-6 IP Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Used Addresses		
Reserved Addresses		
IMO Name—IIPSubnetBasedIPPoolEntry		
IP Subnet		
Unused Addresses		
Used Addresses		
Reserved Addresses		
IMO Name—HSRPGroupEntry		
Group Number		
Port Description		
Priority		
Coupled Router		
State		
Tracking Interfaces		
Virtual IP Address		
Virtual MAC Address		
IMO Name—I TunnelGRE		
Name		
Tunnel Destination and Source		
IP Address		
IP Interface State		
IANA Type		
Containing CTPs		
Contained CTPs		
Keep Alive Time		
Keep Alive Retry		
IMO Name—IVrrpGroupEntry		
Group Number		
State		
Port Description		
Master IP Address		

Table 14-6 IP Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Primary IP Address		
Priority		
Virtual Mac Address		
Preempt Mode		
Admin State		
Advertisement Interval		
Tracking Interfaces		
IMO Name—IIPSLAResponderService		
responderStatus		
TWAMPResponderStatus		
tcpConnect		
udpEcho		
IMO Name—IIPAddressPortPair		
type		
ipAddress		
port		

Ethernet

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3

Attribute	Generic SNMP VNE	Generic ESXi Server
IMO Name—ILinkAggregationGroup802dot3ad		
dot3adAggMACAddress		
dot3adAggActorSystemPriority		
dot3adAggActorSystemID		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
dot3adAggActorAdminKey		
dot3adAggActorOperKey		
dot3adAggPartnerSystemID		
dot3adAggPartnerSystemPriority		
dot3adAggPartnerOperKey		
dot3adAggCollectorMaxDelay		
GroupNumber		
AggregationProtocolType		
MacAddress		
ChannelAdminStatus		
ChannelOperStatus		
lagLoadBalancingType		
bandWidth		
LinkType		
IMO Name—IEthernet		
MAC Address	Y	Y
Duplex Mode		
Output Flow Control		
Input Flow Control		
IANA Type		Y
Containing CTPs		
Contained CTPs		
Port Type		Y
isElmiEnabled		
isLOAMEnabled		
AutoNegotiate		
FCID (Soft Property)		
WWN (Soft Property)		
FlowControl		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
IMO Name—IVlanInterface		
Mode		
Native VLAN Identification		
Virtual LAN Table		
IANA Type		
Containing CTPs		
Contained CTPs		
vlanAdminType		
vlanencapType		
getAccess		
Allowed Vlans		
IMO Name—IVlanEncapMux		
IANA Type		
Containing CTPs		
Contained CTPs		
discoveryProtocols		
ingressPolicy		
egressPolicy		
controlPolicy		
type		
ID		
egressSpeed		
ingressSpeed		
IMO Name—IVlanMapping		
direction		
vlanMatchCriteria		
vlanRewriteDefinition		
Drop		
Vlan		
innerVlan		
translatedVlan		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
translatedInnerVlan		
IMO Name—IClientBridgeEfp		
efpId		
interfaceName		
translatedInnerVLAN		
vlan		
innerVlan		
operationalState		
administrativeState		
translatedVlan		
RewriteDefinition		
VlanMatchCriteria		
IMO Name—IIEEE802		
VLAN Identification		
Binding Information		
Binding Status		
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—IStpService		
StpProtocol		
StpMaxAge		
StpHelloTime		
StpBridgeForwardDelay		
StpInstanceInfoTable		
Same as ISystemService		
StpUplinkFastState		
StpBackboneFastState		
StpForwardDelay		
StpBridgeMaxAge		
StpBridgeHelloTime		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
IMO Name—IMstService		
MstProperties		
Same as IStpService		
IMO Name—IPvstpService		
UpLinkFast		
BackboneFast		
IMO Name—IMstProperties		
MstForceVersion		
MstCfgIdFmtSel		
MstExternalRootCost		
MstMaxInstances		
MstCfgIdName		
MstCfgIdRevLevel		
IMO Name—IStpInstanceInfo		
Object Identification		
StpBridgeId		
BridgePriority		
Designated Parent and Root Bridges		
StpRootCost		
IsRoot		
StpRootPort		
StpPortInfoTable		
STP Instance Id		
Vlan Id		
StpDesignatedBridge		
StpDesignatedRoot		
IMO Name—IMstInstanceInfo		
MstVlanIds		
Same as IStpInstanceInfo		
IMO Name—IPvstpInstanceInfo		
Protocol Type		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
StpBridgeMaxAge		
StpBridgeHelloTime		
StpBridgeForwardDelay		
StpProtocolSpecification		
StpVlanId		
StpForwardDelay		
StpMaxAge		
IMO Name—IRstpInstanceInfo		
StpForceVersion		
Same as IStpInstanceInfo		
IMO Name—IStpPortInfo		
StpPort		
StpPortPriority		
StpPortState		
StpPortPathCost		
StpPortEdgePort		
StpPortPointToPoint		
StpPortRole		
StpDesignatedPortIdentifier		
StpDesignatedBridge		
StpPortIdentifier		
StpPortBpduGuardState		
StpPortBpduFilterState		
IMO Name—IMstPortInfo		
MstPortHelloTime		
Same as IStpPortInfo		
IMO Name—IPvstpPortInfo		
PvstpPortFastState		
IMO Name—IEthernetChannel		
Group Number		
Bandwidth		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Aggregation Protocol		
IANA Type		
Containing CTPs		
Contained CTPs		
Mac Address		
Admin Status		
Oper Status		
IMO Name—ITokenRingLayer2		
MAC Address		
IANA Type		
Containing CTPs		
Contained CTPs		
IMO Name—ITokenRingLayer1		
Same as IPhysicalLayer		
IMO Name—IBridge		
Bridge Table		
Type		
MAC Address		
IP Interface		
Name		
Logical Sons		
Vlan Type		
IMO Name—IBridgeEntry		
Destination MAC		
Outgoing Interface		
IMO Name—IVtpService		
Version		
OperatingMode		
DomainName		
ConfigurationRevision		
isPruningEnabled		

Table 14-7 Ethernet Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
isAuthenticationEnabled		
IMO Name—IRESservice		
version		
administrativeVlan		
notificationEnabled		
IMO Name—IRESsegmentInfo		
segmentId		
segmentComplete		
IMO Name—IRESportInfo		
portName		
portKey		
segmentId		
portType		
portRole		
operStatus		
blockedVlans		
preemptTimer		
lslAgeoutTimer		
remoteDeviceName		
remoteDeviceMac		
remotePortName		
configuredLoadBalancingBlockedVlans		
IMO Name—IIBridgeILan		
Id		
IMO Name—IIBBridgeEntry		
IS Id		
IBridge		
BBridge		
IMO Name—IIEfp		
egressSpeed		
ingressSpeed		

ATM

Table 14-8 ATM Attribute Support on Generic Devices—Cisco Prime Network Version 5.3

Attribute	Generic SNMP VNE	Generic ESXi Server
IMO Name—IAtm		
ATM Address		
Interface Type		
VP and VC Ranges		
VC Table		
Cross-Connect Table		
IANA Type		
Containing CTPs		
Contained CTPs		
Tx Allocated Bandwidth		
Tx Maximum Bandwidth		
Tx UBR Allocated Bandwidth		
Tx CBR Allocated Bandwidth		
Rx Allocated Bandwidth		
Rx Maximum Bandwidth		
Rx UBR Allocated Bandwidth		
Rx CBR Allocated Bandwidth		
IMO Name—IAtmVc		
Virtual Channel Identifier		
Virtual Path Identifier		
Shaping Profile		
Discarded and Received Input Data Counters		
Dropped and Forward Output Data Counters		
Ingress Traffic Descriptor		
Egress Traffic Descriptor		
Administrative Status		
Operational Status		
IANA Type		

Table 14-8 ATM Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Containing CTPs		
Contained CTPs		
IMO Name—IAtmTrafficDescriptor		
Traffic Descriptor Type		
Service Category		
Cell Loss Priority		
Cell Delay Variation		
Cell Delay Variation Tolerance		
Maximum High Priority and Aggregate Cell Rates		
Minimum High Priority and Aggregate Cell Rates		
Sustainable High Priority and Aggregate Cell Rates		
Peak High Priority and Aggregate Cell Rates		
Name		
Index		
IMO Name—IAtmTrafficShapingDescriptor		
Maximum Burst Size		
Sustainable and Peak Cell Rates		
Cell Delay Variation		
State		
Buffer Size		
Cell Loss Priority Discarded Size		
Name		
Index		
IMO Name—IAtmTrunk		
Same as IAtm		
IMO Name—IAtmLogicalPort/Trunk		
Resource Management Cell Termination		

Table 14-8 ATM Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Resource Management Cell Generation		
Effective Check Input and Output Capacities		
Admin Status		
Oper Status		
Same as IAtm		
IMO Name—IAtmTrunkVc		
Destination Description		
Same as IAtmVc		
IMO Name—IVcSwitchingEntity		
Cross Connect Table	Y	
crossConnectTableSize	Y	
Logical Sons		
IMO Name—IIMAGroup		
AdminStatus		
OperStatus		
GroupNumber		
ImaVersion		
Speed		
ConfiguredBandwidth		
NumberOfLinks		
NumberOfActiveLinks		
MinimumNumberOfTxLinks		
MinimumNumberOfRxLinks		
ClockMode		
FrameLength		
interfaceName		
groupStatus		

Hardware

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3

Attribute	Generic SNMP VNE	Generic ESXi Server
IMO Name—IChassis		
Description		Y
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number		
Configuration State (Soft property)		
Operability (Soft property)		
Power (Soft property)		
Thermal (Soft property)		
Name (Soft property)		
PID (Soft property)		
VID (Soft property)		
Role (Soft property)		
Status		
OperState		
AdminState		
Discovery State		
Model		
Connection Path		
AvailState		
Admin Power		
Assoc State		
Oper Power		
Connection Status		
Managing Instance		
No.. of Processors		
Low Voltage memory		

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Effective Memory		
CheckPoint		
Total Memory		
Operating Memory Speed		
Slot Status		
Cores		
Threads		
No.. of Adapters		
No.. of HBA ports		
No.. of NIC ports		
UUID		
IP Address (Soft property)		
IMO Name—IShelf		
Description		
Status		
Equipment Holder Type		
Contained Equipment Holders		
Contained Equipments		
Serial Number		
IMO Name—IModule		
Module Name		
Module Description		
Software Version		
Operational Status		
Hardware Type + Version		
Managed IP Address		
Redundant Equipment		
Configured Redundancy		
Redundancy Status		
Operational Status Last Changed		

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Supported Physical Termination Points		
Serial Number (soft property)		
Model		
Operability		
Integrated		
Admin State(Soft property)		
Discovery State(Soft property)		
Power State (Soft property)		
Slot ID (Soft property)		
Chassis ID (Soft property)		
Name (Soft property)		
Description (Soft property)		
PID (Soft property)		
VID (Soft property)		
Avail State (Soft property)		
Assoc State (Soft property)		
Slot Status (Soft property)		
Check Point (Soft property)		
Number Of Processor (Soft property)		
Effective Memory (Soft property)		
Total Memory (Soft property)		
Operating Memory Speed (Soft property)		
Operating Memory Voltage (Soft property)		
Slot Number (Soft property)		
Part Number (Soft property)		
Running Version (Soft property)		
Package Version (Soft property)		

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Backup Version (Soft property)		
Update Status (Soft property)		
Startup Version (Soft property)		
Activate Status (Soft property)		
Slots Number		
HostName (Soft Property)		
MgmtIP (Soft Property)		
TypeName (Soft Property)		
vCPU (Soft Property)		
haStatus (Soft Property)		
status (Soft Property)		
location (Soft Property)		
swVersion (Soft Property)		
domainId (Soft Property)		
haPrimaryRole (Soft Property)		
haPrimaryStatus (Soft Property)		
primaryStatus (Soft Property)		
primaryLocation (Soft Property)		
primarySwVersion (Soft Property)		
haSecondaryRole (Soft Property)		
haSecondaryStatus (Soft Property)		
secondaryStatus (Soft Property)		
secondaryLocation (Soft Property)		
secondarySwVersion (Soft Property)		
AssociatedComputeServer		
AssociatedHost		
AssociatedEntity		

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
EquipmentType		
IMO Name—IPowerSupply		
Same as IModule		
IMO Name—IFanTray		
Same as IModule		
IMO Name—IPluggableTransceiver		
ConnectorDescription		
PID		
ConnectorSerialNumber		
ConnectorType		
PluggablePortState		
PluggableType		
IMO Name—IManagedElement		
IP Address	Y	Y
Communication State	Y	Y
Investigation State	Y	Y
Element Category	Y	Y
Element Type and Key	Y	Y
Device Name	Y	Y
System Name	Y	Y
System Description	Y	Y
Up Time	Y	Y
Software Version	Y	Y
Vendor Identity		Y
Memory and CPU Usage		Y
DRAM Free		
DRAM Used		
DRAM Usage		
Flash Device Size		
NVRAM Size		
Processor DRAM		

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Sys Contact		Y
Sys Location		Y
Serial Number		
File Systems		
IsVirtualElement		
AssociatedHypervisor		
AssociatedVirtualMachine		
AssociatedComputeServer		
TimeZone		
cidsHealthSecMonAvailability		
cidsHealthSecMonOverallHealth		
cidsHealthSecMonSoftwareVersion		
cidsHealthSecMonSignatureVersion		
cidsHealthSecMonLicenseStatus		
cidsHealthSecMonMainAppStatus		
cidsHealthSecMonAnalysisEngineStatus		
cidsHealthSecMonCollaborationAppStatus		
cidsHealthSecMonByPassMode		
cidsHealthSecMonMissedPktPctAndThresh		
cidsHealthSecMonAnalysisEngMemPercent		
cidsHealthSecMonSensorLoad		
cidsHealthSecMonVirtSensorName		
cidsHealthSecMonVirtSensorStatus		

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
cidsHealthSecMonPartitionName		
cidsHealthSecMonTotalPartitionSpace		
IMO Name—IContext		
Name		
Bounded Connections		
IP Address Pools		
Forwarding Components List		
Traffic Descriptors List		
Tunnel Containers List		
Data Link Aggregation Containers List		
IMO Name—ISystemService		
Type		
Status		
Up Time		
IMO Name—IServer		
Uuid		
Maximum Memory		Y
Effective Memory		Y
Ip Address		Y
Form Factor		
Operating System		Y
Hard Drive Properties		Y
MemorySlot Properties		Y
Processor		Y
Operating Memory Speed		
associatedHypervisor		Y
AssociatedVEM		
IMO Name—IHardDriveProperties		
Model Name		Y

Table 14-9 Hardware Attribute Support on Generic Devices—Cisco Prime Network Version 5.3 (Continued)

Attribute	Generic SNMP VNE	Generic ESXi Server
Drive Type		Y
Storage Capacity		Y
Status		Y
isFRU		
IMO Name—IMemorySlotProperties		
Slot Name		Y
Location		Y
Speed		
Memory Capacity		Y
Status		Y
IMO Name—IProcessor		
cpu		Y
coresperCpu		Y
Model		
Status		Y
Vendor		
ratedSpeed		Y
usedSpeed		
hyperThreadingEnabled		
ramSize		Y
nvRamSize		
name		Y
description		Y



Support Information for Cisco Management Applications

This chapter contains support information for Cisco management applications.

This chapter contains the following topics:

- [Cisco Prime Access Registrar \(CPAR\), page 15-1](#)
- [Cisco Prime Network Registrar \(CPNR\), page 15-3](#)
- [Supported Technologies on CPAR, page 15-4](#)
- [Supported Technologies on CPNR, page 15-44](#)

Cisco Prime Access Registrar (CPAR)

CPAR is a Linux-based management application that enables multiple dial-in Network Access Server (NAS) devices to share a common authentication, authorization, and accounting database in Cisco Prime Network Version 5.3.

This section contains the following topics:

- [CPAR—Supported Software Versions, page 15-1](#)
- [CPAR—Supported Technologies, page 15-2](#)

CPAR—Supported Software Versions

Table 15-1 Supported Software Versions for CPAR—Cisco Prime Network Version 5.3

Software Version	Product Version
8.0.2	Prime Network 5.2 DP00

CPAR—Supported Technologies

The following technologies are supported by the CPAR in Cisco Prime Network Version 5.3:

- [Radius](#), page 15-4
- [UserGroups](#), page 15-5
- [UserGroups \(Attribute List\)](#), page 15-5
- [UserGroups \(Check Items\)](#), page 15-5
- [Services \(Simple\)](#), page 15-6
- [Services \(Remote Servers\)](#), page 15-9
- [Services \(PEAP\)](#), page 15-10
- [Services \(EAP\)](#), page 15-11
- [Services \(Diameter\)](#), page 15-13
- [Radius Advanced](#), page 15-13
- [Session Manager](#), page 15-16
- [Remote Servers](#), page 15-17
- [Remote Servers \(Diameter\)](#), page 15-17
- [Remote Servers \(LDAP\)](#), page 15-18
- [Remote Servers \(LDAP Accounting\)](#), page 15-20
- [Remote Servers \(ODBC/OCI\)](#), page 15-21
- [Remote Servers \(ODBC/OCI Accounting\)](#), page 15-22
- [Remote Servers \(Rest\)](#), page 15-23
- [Remote Servers \(Others\)](#), page 15-24
- [Diameter](#), page 15-26
- [Diameter \(General\)](#), page 15-26
- [Diameter \(Transport\)](#), page 15-27
- [Diameter \(Applications\)](#), page 15-27
- [Diameter \(Commands\)](#), page 15-28
- [Diameter \(Attributes\)](#), page 15-29
- [Clients](#), page 15-30
- [Profiles](#), page 15-31
- [Scripts](#), page 15-32
- [Policies](#), page 15-32
- [CommandSets](#), page 15-33
- [Device Access Rules](#), page 15-33
- [Device Access Rules \(Command Sets\)](#), page 15-33
- [Device Access Rules \(Conditions\)](#), page 15-34
- [Fast Rules](#), page 15-34
- [Fast Rules \(Attributes\)](#), page 15-34

- [Group Servers](#), page 15-35
- [Group Servers \(Diameter Remote Servers\)](#), page 15-35
- [Replication](#), page 15-35
- [Replication \(Members\)](#), page 15-36
- [Radius Dictionary \(Attributes\)](#), page 15-36
- [Vendor Dictionary](#), page 15-37
- [Vendor Dictionary \(Sub Attributes\)](#), page 15-37
- [Vendors](#), page 15-38
- [Translations](#), page 15-38
- [Translations \(Attributes\)](#), page 15-38
- [Translation Group \(Translations\)](#), page 15-39
- [Resource Manager](#), page 15-39
- [Rules](#), page 15-42
- [Rules \(Attributes\)](#), page 15-42
- [Hardware](#), page 15-42

Cisco Prime Network Registrar (CPNR)

Cisco Prime Network Registrar (CPNR) is a Linux-based management application that provides the key benefits of stabilizing the IP infrastructure and automating networking services, such as configuring clients and provisioning cable modems in Cisco Prime Network Version 5.3. This section contains the following topics:

- [CPNR—Supported Software Versions](#), page 15-3
- [CPNR—Supported Technologies](#), page 15-3

CPNR—Supported Software Versions

Table 15-2 Supported Software Versions for CPNR—Cisco Prime Network Version 5.3

Software Version	Product Version
10.0	Prime Network 5.2 DP00

CPNR—Supported Technologies

The following technologies are supported by the CPNR in Cisco Prime Network Version 5.3:

- [Session](#), page 15-44

- [DNS, page 15-45](#)
- [CDNS, page 15-47](#)
- [DHCP, page 15-48](#)
- [TFTP, page 15-50](#)
- [CCM, page 15-51](#)
- [Clusters, page 15-52](#)
- [Licenses, page 15-53](#)
- [License Utilization, page 15-54](#)
- [Failover Pair, page 15-55](#)
- [HA Pair, page 15-55](#)
- [Zone Distribution, page 15-56](#)
- [Hardware, page 15-57](#)

Supported Technologies on CPAR

The following sections list the objects and attributes that are supported on CPAR in Cisco Prime Network Version 5.3 per technology:

Radius

Table 15-3 Radius Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARRadiusServer
Server Name
Description
Version
Incoming Script
Outgoing Script
Default Authentication Service
Default Authorization Service
Default Accounting Service
Default Session Service
Default Session Manager

UserGroups

Table 15-4 UserGroups Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARUserGroupContainer
Type
IMO Name—ICPARUserGroups
User Group Name
Description
Base Profile
Authentication Script
Authorization Script

UserGroups (Attribute List)

Table 15-5 UserGroups (Attribute List) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARAttributeTable
Attribute Name
Attribute Value

UserGroups (Check Items)

Table 15-6 UserGroups (Check Items) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARCheckItemsTable
Check Name
Check Value

Services (Simple)

Table 15-7 Services (Simple) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARServiceSimpleContainer
Type
IMO Name—ICPARServices
Service Name
Description
Type
Incoming Script
Outgoing Script
Outage Script
Outage Policy
File Name
Entry Point
Init Entry Point
Init Entry Point Args
File Name Prefix
Max File Age
Rollover Schedule
Max File Size
User Local Time Zone
File Type
Enable RollOver Intelligence
User Service
Session Manager
Result Rule
User List
Class Name
Initialize Arg
HARK Key
HARK Life Time
Wimax Query Service
Wimax Authentication Service
Wimax Session Manager
Wimax Prepaid Service

Table 15-7 Services (Simple) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Allow HAA To Include Keys
Require MSK
Session Cache Query Service
Proxy Service Name
Diameter Application Id
Enable Request Command Mappings
Send RAR-ASR To Client
Client Host Name
Pre Request Translation Script
Post Request Translation Script
Pre Response Translation Script
Post Response Translation Script
Update Session Last Access Time
Fetch Location Information
Diameter Proxy Service
Translation service
IMO Name—ICPARServicesTable
Service
IMO Name—ICPARDeviceAccessRules Table
Device Access Rule
IMO Name—ICPARCommandMapping Table
Attribute
Value
IMO Name—ICPARRequestAVPMappingTable
Attribute
Value
IMO Name—ICPARRequestAVPsToBe AddedTable
Attribute
Value

Table 15-7 Services (Simple) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPAREnvironmentalMappingTable
Attribute
Environmental Attribute
IMO
Name—ICPARResultCodeMappingTable
Attribute
Value
IMO
Name—ICPARResponseAVPMappingTable
Attribute
Value
IMO
Name—ICPARResponseEnvironmentMappingTable
Attribute
Value
IMO
Name—ICPARResponseAVPsToBeAddedTable
Attribute
Value
IMO
Name—ICPARAttributeListTable
Radius Attribute
Vendor Attribute
IMO
Name—ICPARSessionManagersTable
Session Manager
IMO
Name—ICPARRemoteServersTable
Remote Server
IMO
Name—ICPARIMSIIRangesTable
Range Name
Description
Start

Table 15-7 Services (Simple) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
End
Multiple Peers Policy
IMO
Name—ICPARDiaRemoteServers
Table
Diameter Remote Server Name
Metric
Weight
Is Active

Services (Remote Servers)

Table 15-8 Services (Remote Servers) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARServiceRemoteServerContainer
Type
IMO Name—ICPARServices
Service Name
Description
Type
Incoming Script
Outgoing Script
Outage Policy
Outage Script
Multiple Servers Policy
Enable Device Access
Default Device Access Action
Authorization Info LookUp
Nas ID List
MAP Version
IMO
Name—ICPARDeviceAccessRules
Table
Device Access Rule

Table 15-8 *Services (Remote Servers) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO
Name—ICPARRemoteServersTable
Remote Server

Services (PEAP)

Table 15-9 *Services (PEAP) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO
Name—ICPARServicePeapContainer
Type
IMO Name—ICPARServices
Service Name
Description
Type
Incoming Script
Outgoing Script
Maximum Message Size
Server Certificate File
Server Key File
CRL Distribution URL
CA Certificate File
Certificate Verification Mode
CA Certificate Path
Verification Depth
Enable Session Cache
Tunnel Service
Authentication Timeout
Session Timeout
Use ECC Certificates
Enable Auto Chaining
Enable WPS
Master URL
WPS Guest User Profile

Services (EAP)

Table 15-10 Services (EAP) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARServiceEapContainer
Type
IMO Name—ICPARServices
Service Name
Description
Type
Incoming Script
Outgoing Script
Authentication Timeout
UserService
Maximum Message Size
Server Certificate File
ServerKeyFile
CRL Distribution URL
CA Certificate File
Certificate Verification Mode
CA Certificate Path
Verification Depth
Enable Session Cache
Session Timeout
Authentication Timeout
Use ECC Certificates
Enable Auto Chaining
Authentication Service
User Prompt
Use Labels
System ID
IsWindows7Client
Subscriber DB Lookup
Multiple Servers Policy
Number Of Triplets
Pseudonym Renew time
Pseudonym Lifetime

Table 15-10 Services (EAP) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Reauthentication Timeout
Use Outage Policy For Reauth
Notification Service
Enable Reauthentication
Use Protected Results
Reauthentication Realm
Maximum Reauthentications
Triplet CacheTimeout
Use Sim DemoTriplets
Always Request Identity
Enable Identity Privacy
Generate 3GPP Compliant Pseudonym
SendReAuthIDInAccept
Outage Script
MAP Version
Network Name
Outage Policy
Enable Rolling Pseudonym Secret
Enable Encrypted IMSI
Quintet Cache Timeout
QuintetGenerationScript
Enable State Stickiness
Authority Identifier
Authority Information
Credential Life Time
Provision Service
Provision Mode
Always Authenticate
DiameterInterface
ProxyService
IMO
Name—ICPARRemoteServersTable
Remote Server
IMO Name—ICPARServicesTable

Table 15-10 Services (EAP) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Service

Services (Diameter)

Table 15-11 Services (Diameter) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARServices
Type
Incoming Script
Outgoing Script
Multiple Peers Policy
Enable Sticky
Peer Timeout Policy
Group Timeout Policy
IMO Name—ICPARDiaRemoteServers Table
Diameter Remote Server Name
Metric
Weight
Is Active
IMO Name—ICPARIMSIRangesTable
Range Name
Description
Start
End
Multiple Peers Policy

Radius Advanced

Table 15-12 Radius Advanced Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARRadiusAdvanced
Name

Table 15-12 *Radius Advanced Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Log Server Activity
TLSv1 Enabled
Maximum Number Of Radius Packets
UDP Packet Size
Socket Wait Time
Number Of Remote UDP Server Sockets
Number Of Radius Identifiers Per Socket
Per Packet Heap Size
Require NASs Behind Proxy Be In Client List
AAA File Service Sync Interval
Session Backing Store Sync Interval
Backing Store Disc Threshold
Session Backing Store Prune Interval
Packet Backing Store Prune Interval
Remote LDAP Server Thread Timer Interval
Remote Sigtran Server Thread Timer Interval
Initial Background Timer Sleep Time
Minimum Socket Buffer Size
Certificate DB Path
Log File Size
Log File Count
Trace File Size
Trace File Count
Memory Limit For Radius Process
Use Advanced Duplicate Detection
Advanced Duplicate Detection Memory Interval

Table 15-12 Radius Advanced Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Detect Out Of Order Accounting Packets
Default Returned Subnet Size If No Match
Classpath For Java Extensions
Java VM Options
Maximum ODBC Result Size
ARIs Case Insensitive
Remote Radius Server Interface
ODBC Environment MultiValue Delimiter
Packet Backing Store Sync Interval
Listen For Dynamic Authorization Requests
Maximum Number Of XML Packets
XML UDP Packet Size
Rolling Encryption Key Change Period
Session Purge Interval
Eap Bad Message Policy
Stale Session Timeout
Maximum Outstanding Requests
Maximum Incoming Request Rate
Hide Shared Secret And Private Keys
Default Radius Shared Secret
Server Status Shared Secret
Enable Location Capability
Log TPS Activity
TPS Log File Count
TPS Log Filename Prefix
TPS Sampling Period In Secs
Log Session Activity
Enable Length Flag
Session Log File Count
Session Log Filename Prefix

Table 15-12 *Radius Advanced Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Session Sampling Period In Secs
Flush Disk In Background
Additional Native Oracle Errors
Send OpCode In ISD Response
Enable Routing Context In M3UA
Enable Sticky Session Count
Enable SIGTRAN Stack Logs
SIGTRAN Stack Log File Size
SIGTRAN Log File Count
StickySessionCountInterval
Sticky Session Sync Interval
Reserve RADIUS Packet Pool
User Log Delimiter
Diameter Stale Session Purge Time
UI Session Timeout In Mins
Diameter Stale Connection Deletion Timeout
Diameter Session Restoration Purge Time

Session Manager

Table 15-13 *Session Manager Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO
Name—ICPARSessionManagerContainer
Type
IMO
Name—ICPARSessionManagers
Session Name
Description
Type
Enable Diameter
Incoming Script
Outgoing Script

Table 15-13 Session Manager Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Allow Accounting Start To Create Session
Session Timeout
Phantom Session Timeout
Session Key
IMO
Name—ICPARSessionResourceTable
Resource Manager

Remote Servers

Table 15-14 Remote Servers Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARRemoteServerContainer
Type

Remote Servers (Diameter)

Table 15-15 Remote Servers (Diameter) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPARRemoteServerDiameterContainer
Type
IMO
Name—ICPARRemoteServers
Remote Server Name
Description
Protocol
Host Name
Destination Port
Destination Realm
Reactivate Timer Interval
Vendor
Incoming Script

Table 15-15 Remote Servers (Diameter) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Outgoing Script
User Log Enabled
Max Tries
Max TPS Limit
Max Session Limit
Initial Timeout
Disconnect Based On Threshold
Disconnect Threshold
Limit Outstanding Requests
Max Pending Packets
Max Outstanding Requests
DWatchDog Timeout
SCTP-Enabled
TLS-Enabled
Advertise Host Name
Advertise Realm

Remote Servers (LDAP)

Table 15-16 Remote Servers (LDAP) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARRemoteServerLDAPContainer
Type
IMO Name—ICPARRemoteServers
Remote Server Name
Description
Protocol
Port
Reactivate Timer Interval
Timeout
Host Name
Bind Name
Use SSL

Table 15-16 Remote Servers (LDAP) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Use Binary Password Comparison
Enable Keep Alive
Search Path
Filter
User Password Attribute
Limit Outstanding Requests
Max Outstanding Requests
Max Referrals
Referral Attribute
Referral Filter
Password Encryption Style
Escape Special Char In User Name
DNS Lookup And LDAP Rebind Interval
DataSource Connections
Search Scope
Use Bind Based Authentication
IMO Name—ICPARRadiusMappingTable
Attribute
Radius Attribute
IMO Name—ICPARCheckItemsMappingTable
Attribute
Radius Attribute
IMO Name—ICPAREnvironmentalMappingTable
Attribute
Environmental Attribute

Remote Servers (LDAP Accounting)

Table 15-17 Remote Servers (LDAP Accounting) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARRemoteServerLDAPAccountainer
Type
IMO Name—ICPARRemoteServers
Remote Server Name
Description
Protocol
Port
Reactivate Timer Interval
Timeout
Host Name
Bind Name
Use SSL
Use Binary Password Comparison
Enable Keep Alive
DN Path
Entry Name
Object Class
Attribute List
Delimiter
LDAP Environment MultiValue Delimiter
Limit Outstanding Requests
Max Outstanding Requests
Escape Special Char In User Name
DNS Lookup And LDAP Rebind Interval
DataSource Connections
Use Local Time Zone
IMO Name—ICPAREnvironmentalMappingTable

Table 15-17 Remote Servers (LDAP Accounting) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Attribute
Environmental Attribute

Remote Servers (ODBC/OCI)

Table 15-18 Remote Servers (ODBC/OCI) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARRemoteServerODBCContainer
Type
IMO Name—ICPARRemoteServers
Remote Server Name
Description
Protocol
Port
Reactivate Timer Interval
Timeout
DataSource Connections
ODBC DataSource
SNMP Trap IP
SNMP Trap Port
KeepAlive Timer Interval
OCI Timeout Count
OCI Connection Reactivation Interval
OCI Active Connection Threshold Count
IMO Name—ICPARRemServerSqlDefs Table
SQL Definition Name
Description
Type
Query
Execution Sequence Number

Table 15-18 *Remote Servers (ODBC/OCI) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Marker List
IMO Name—ICPARRadiusMappingTable
Attribute
Radius Attribute
IMO Name—ICPARCheckItemsMappingTable
Attribute
Radius Attribute
IMO Name—ICPAREnvironmentalMappingTable
Attribute
Environmental Attribute

Remote Servers (ODBC/OCI Accounting)

Table 15-19 *Remote Servers (ODBC/OCI Accounting) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO Name— ICPARRemoteServerODBCAcctContainer
Type
IMO Name—ICPARRemoteServers
Remote Server Name
Description
Protocol
Port
Reactivate Timer Interval
Timeout
DataSource Connections
ODBC DataSource
SNMP Trap IP
SNMP Trap Port
KeepAlive Timer Interval

Table 15-19 Remote Servers (ODBC/OCI Accounting) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Buffer Accounting Packets
Maximum Buffer File Size
Number Of Retries For Buffered Packet
Backing Store Environment Variables
Use Local Time Zone
Attribute List
Delimiter
OCI Auto Commit
OCI Transaction Count
OCI Timeout Count
OCI Connection Reactivation Interval
OCI Active Connection Threshold Count
IMO
Name—ICPARRemServerSqlDefs Table
SQL Definition Name
Description
Type
Query
Execution Sequence Number
Marker List

Remote Servers (Rest)

Table 15-20 Remote Servers (Rest) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPARRemoteServerRestContainer
Type
IMO Name—ICPARRemoteServers
Remote Server Name
Description

Table 15-20 Remote Servers (Rest) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Protocol
Port
Reactivate Timer Interval
Timeout
Max Timeouts
REST Source Connections
Request URL
User Name
KeepAlive Timer Interval
IMO
Name—ICPARRequestJSONMap pingTable
Attribute Name
JSON Attribute

Remote Servers (Others)

Table 15-21 Remote Servers (Others) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARRemoteServerOthersConta iner
Type
IMO
Name—ICPARRemoteServers
Remote Server Name
Description
Protocol
IP Address
Port
Reactivate Timer Interval
Initial Timeout
Max Tries
Vendor
Incoming Script
Outgoing Script
Accounting Port

Table 15-21 Remote Servers (Others) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Acknowledge Accounting
Accept Dynamic Authorization Requests
Max TPS Limit
Max Session Limit
Max DNS Renaming Retries
Trim Host Name
Forward Zone TSIG Key
Reverse Zone TSIG Key
File Name
Connections
Host Name
Local Sub System Number
CgPA Global Title Address
Set OPC In CgPA
CdPA Numbering Plan
CgPA Numbering Plan
Global Title Translation Script
SUA Configuration File name
Timeout
Limit Outstanding Requests
Max Outstanding Requests
Source Port
Destination Port
IMSI Translation Script
Network Variant
SubService Field
TCAP Variant
Network Appearance
Network Indicator
Routing Indicator
MLC Number
Traffic Mode
Load Share Mode
SCCP Variant
Max Timeouts

Table 15-21 Remote Servers (Others) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Origin Point Code
Destination Point Code
Remote Subsystem Number
OPC Mask
DPC Mask
Service Indicator Octet
Routing Context
IMO Name—ICPARSourceIPAddressTable
Source IP Address
IMO Name—ICPARDestinationIPAddressTable
Destination IPAddress

Diameter

Table 15-22 Diameter Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARDiameterContainer
Type

Diameter (General)

Table 15-23 Diameter (General) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARDiameter
Product Name
Version
Auth Application Id List
Accounting Application Id List

Diameter (Transport)

Table 15-24 Diameter (Transport) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARDiameterTransport
Identity
Realm
Watchdog Timeout
Validate Incoming Messages
Validate Outgoing Messages
Maximum Number of Diameter Packets
Reserve Diameter Packet Pool
Diameter Packet Size
Max Init Retry
Max Inbound Stream
Max Outbound Stream
Enable Heartbeat
Heartbeat Interval
Advertised Host Names

Diameter (Applications)

Table 15-25 Diameter (Applications) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARDiameterApplicationConta iner
Type
IMO Name— ICPARDiameterApplications
Application Name
Description
Is Auth Application
Is Vendor Specific
Application ID
Vendor Specific Application ID
Vendor ID

Table 15-25 *Diameter (Applications) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Application URI
IMO Name— ICPARDiaCommandsTable
Command

Diameter (Commands)

Table 15-26 *Diameter (Commands) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO Name— ICPARDiameterCommandContai ner
Type
IMO Name— ICPARDiameterCommands
Command Name
Description
Command Code
Enable Proxy Bit
IMO Name— ICPARDiaCommandFixedAttri butes
Attribute Name
Description
Min
Max
Type
IMO Name— ICPARDiaCommandOptionalAttr ibutes
Attribute Name
Description
Min
Max
Type
IMO Name— ICPARDiaCommandRequiredAttr ibutes
Attribute Name

Table 15-26 *Diameter (Commands) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Description
Min
Max
Type

Diameter (Attributes)

Table 15-27 *Diameter (Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO Name— ICPARDiameterAttributeContain er
Type
IMO Name— ICPARDiameterAttributes
Attribute Name
Description
Attribute
VendorID
Mandatory
May-Encrypt
Protected
Type
Min
Max
Enums
IMO Name— ICPARDiaCommandFixedAttri butes
Attribute Name
Description
Min
Max
Type
IMO Name— ICPARDiaCommandOptionalAttr ibutes
Attribute Name

Table 15-27 *Diameter (Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Description
Min
Max
Type
IMO Name— ICPARDiaCommandRequiredAttr ibutes
Attribute Name
Description
Min
Max
Type

Clients

Table 15-28 *Clients Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO Name— ICPARClientContainer
Type
IMO Name— ICPARclients
Client Name
Description
Protocol
Enable Multi Proxy Mode
Host Name
Peer Port
Vendor
Incoming Script
Outgoing Script
Advertised Host Name
User Log Enabled
Advertised Realm
Initial Timeout
Max Incoming Request Rate
KeepAlive Time
Auth Session State In ASR

Table 15-28 Clients Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
SCTP-Enabled
TLS-Enabled
IP Address
Type
Enforce Traffic Throttling
Net Mask
Enable Dynamic Authorization
Max Tries
Port
COA Attribute
POD Attribute
Enable Notifications
Notication Group
Maximum TLS Connections
Server Key File
Server Certificate File
CA Certificate File
CA Certificate Path
Peer Verification Mode
Verification Depth
Enable Auto Chaining
KeepAlive Interval Time
TCP Connection Idle Time
KeepAlive Max tries

Profiles

Table 15-29 Profiles Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARProfileContainer
Type
IMO Name— ICPARProfiles
Profile Name
Description

Table 15-29 Profiles Attribute Support on CPAR—Cisco Prime Network Version 5.3 (Continued)

Attribute
IMO Name— ICPARAttributeTable
Attribute Name
Attribute Value

Scripts

Table 15-30 Scripts Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARScriptContainer
Type
IMO Name— ICPARScripts
Script Name
Description
Language
File / Class Name
Entry Point
Init Entry Point
Init Entry Point Args
InitArgs
Statements

Policies

Table 15-31 Policies Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARPolicyContainer
Type
IMO Name— ICPARPolicies
Policy Name
Description
Grouping

CommandSets

Table 15-32 CommandSets Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARCommandSetContainer
Type
IMO Name— ICPARPolicies
CommandSet Name
Description
Commands

Device Access Rules

Table 15-33 Device Access Rules Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARDeviceAccessRuleContaine r
Type
IMO Name— ICPARDeviceAccessRules
Device Access Rule Name
Description
Conditions
Default Action

Device Access Rules (Command Sets)

Table 15-34 Device Access Rules (Command Sets) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARCommandSetsTable
Command Set

Device Access Rules (Conditions)

Table 15-35 Device Access Rules (Conditions) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARRuleAttrTable
Name
Description
Dictionary
Attribute
Value

Fast Rules

Table 15-36 Fast Rules Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARFastRuleContainer
Type
IMO Name— ICPARFastRules
Fast Rule Name
Description
Protocol
Condition
Success
Failure

Fast Rules (Attributes)

Table 15-37 Fast Rules (Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARRuleAttrTable
Name
Description
Dictionary
Attribute
Value

Group Servers

Table 15-38 Group Servers Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARGroupServerContainer
Type
IMO Name— ICPARGroupServers
Group Server Name
Description
MultiplePeersPolicy
PeerTimeOutPolicy

Group Servers (Diameter Remote Servers)

Table 15-39 Group Servers (Diameter Remote Servers) Attribute Support on CPAR—Cisco Prime Network Version 5.2

Attribute
IMO Name— ICPARDiaRemoteServersTable
Diameter Remote Server Name
Metric
Weight
Is Active

Replication

Table 15-40 Replication Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARReplication
Replication Type
Transaction Sync Interval
Transaction Archive Limit
Is Master
Master IP Address
Master Port
Replication IP Address

Table 15-40 *Replication Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
Replication Port

Replication (Members)

Table 15-41 *Replication (Members) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO Name— ICPARReplicMembersTable
Name
IP
Port

Radius Dictionary (Attributes)

Table 15-42 *Radius Dictionary (Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3*

Attribute
IMO Name— ICPARDictionaryContainer
Type
IMO Name— ICPARDictionary
Attribute Name
Description
Attribute
Type
Min
Max
Enums
Tag

Vendor Dictionary

Table 15-43 Vendor Dictionary Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARVendorDictionaryContainer
Type
IMO Name— ICPARVendorDictionary
Attribute Name
Description
Attribute
Type
Min
Max
Enums
Tag
Vendor Type Size
Vendor Length Size
Has SubAttribute Length Field

Vendor Dictionary (Sub Attributes)

Table 15-44 Vendor Dictionary (Sub Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARSubAttributes
Attribute Name
Attribute Description
Attribute Id
Attribute Type
Attribute Min
Attribute Max
Enums
Attribute Tag

Vendors

Table 15-45 Vendors Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARVendorContainer
Type
IMO Name— ICPARVendors
Vendor Name
Description
IncomingScript
OutgoingScript

Translations

Table 15-46 Translations Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARTranslationContainer
Type
IMO Name— ICPARTranslations
Translation Name
Description
DeleteAttrs

Translations (Attributes)

Table 15-47 Translations (Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARAttributeTable
Attribute Name
Attribute Value

Translation Group (Translations)

Table 15-48 Translation Group (Translations) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARTranslationsTable
Translations

Resource Manager

Table 15-49 Resource Manager Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARResourceManagerContainer
Type
IMO Name— ICPARResourceManager
Resource Name
Description
Type
NetMask
AllowOverlappedIPAddresses
Max DNS TTLS
DNS Host bytes
Forward Zone Name
Reverse Zone Name
Forward Zone Server
Reverse Zone Server
Forward Zone TSIG Keys
Reverse Zone TSIG Keys
User Session Limit
Group Session Limit
NAS
Overwrite Attributes
Query Key
Pending Removal Delay
Reuse IP For Same Session Key And User

Table 15-49 Resource Manager Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Enable Registration Flow
Enable Session Termination
Reuse Existing Session
HSS Proxy Service
Identifier
Neighbor
Framed Routing
Enable Non 3GPP User Data Caching

Resource Manager (IP Address)

Table 15-50 Resource Manager (IP Address) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARIPAddresses
Start IP
End IP

Resource Manager (Networks)

Table 15-51 Resource Manager (Networks) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARNetworks
Start IP
End IP

Resource Manager (Gateways)

Table 15-52 Resource Manager (Gateways) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARResourceGateway
Gateway Name
Gateway IPAddress
Tunnel Refresh

Table 15-52 Resource Manager (Gateways) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
Gateway Description
Location Id

Resource Manager (Ports)

Table 15-53 Resource Manager (Ports) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARPorts
Start Port
End Port

Resource Manager (Home Agent IP Addresses)

Table 15-54 Resource Manager (Home Agent IP Addresses) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARIPAddresses
Start IP
End IP

Resource Manager (Query Mapping)

Table 15-55 Resource Manager (Query Mapping) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARRadiusMappingTable
Attribute
Radius Attribute

Resource Manager (Attributes to be Cached)

Table 15-56 Resource Manager (Attributes to be Cached) Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARAttributeListTable
Radius Attribute
Vendor Attribute

Rules

Table 15-57 Rules Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARRuleContainer
Type
IMO Name— ICPARRules
Rule Name
Description
Type
Script

Rules (Attributes)

Table 15-58 Rules (Attributes) Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute
IMO Name— ICPARAttributeTable
Attribute Name
Attribute Value

Hardware

Table 15-59 Hardware Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute	CPAR
IMO Name—IManagedElement	
IP Address	Y

Table 15-59 Hardware Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute	CPAR
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	Y
DRAM Free	N
DRAM Used	N
DRAM Usage	N
Flash Device Size	N
NVRAM Size	N
Processor DRAM	N
Sys Contact	Y
Sys Location	Y
Serial Number	N
File Systems	N
IsVirtualElement	N
AssociatedHypervisor	N
AssociatedVirtualMachine	N
AssociatedComputeServer	N
TimeZone	N
cidsHealthSecMonAvailability	N
cidsHealthSecMonOverallHealth	N
cidsHealthSecMonSoftwareVersion	N
cidsHealthSecMonSignatureVersion	N
cidsHealthSecMonLicenseStatus	N
cidsHealthSecMonMainAppStatus	N

Table 15-59 Hardware Attribute Support on CPAR—Cisco Prime Network Version 5.3

Attribute	CPAR
cidsHealthSecMonAnalysisEngineStatus	N
cidsHealthSecMonCollaborationAppStatus	N
cidsHealthSecMonByPassMode	N
cidsHealthSecMonMissedPctPctAndThresh	N
cidsHealthSecMonAnalysisEngMemPercent	N
cidsHealthSecMonSensorLoad	N
cidsHealthSecMonVirtSensorName	N
cidsHealthSecMonVirtSensorStatus	N
cidsHealthSecMonPartitionName	N
cidsHealthSecMonTotalPartitionSpace	N

Supported Technologies on CPNR

The following sections list the objects and attributes that are supported on CPNR in Cisco Prime Network Version 5.3 per technology:

Session

Table 15-60 Session Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRSession
Admin Edit Mode
Cluster
Current View
Current VPN
Default Format
DHCP Edit Mode
DNS Edit Mode

Table 15-60 Session Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Groups
Roles
Username
Visibility
User Last Login

DNS

Table 15-61 DNS Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRDNS
Service Name
Activity Counter Log Settings
Activity Summary Interval
Activity Summary Type
Allow Any Query ACL
Blackhole ACL
Contrack Usage Warning
EDNS Max Payload
GSS-TSIG Config
GSS-TSIG Processing
HHC Interval
HHC Max Init TTL
HHC Max TTL
Host Health Check
Hybrid Mode
Hybrid Override
Local Port Number
Max DNS Packets
Memory Cache Size
Minimal Responses
Minimize Ttls
Notify Type
Notify Min Interval
Notify Receive Interval

Table 15-61 *DNS Attribute Support on CPNR—Cisco Prime Network Version 5.3*

Attribute
Notify Send Stagger
Notify Source Address
Notify Source IPv6 Address
Notify Source Port
Notify Wait
Packet Log Settings
Packet Logging
Packet Logging File
PN ACL
PN Connection TTL
PN Max Connections
PN Max Connections/Client
PN Port
PN TLS
Push Notifications
Relax Delegation Rules
Remote Port Number
Restrict Query ACL
Restrict Xfer
Restrict Xfer ACL
Conntrack Usage Warning
Save Negative Cache Entries
Scavenge Ignore Restart Interval
SCVG Interval
SCVG Refresh Interval
Server Log Settings
Simulate Zone Top Dynamic Update
Top Names
Top Names Max Age
Top Names Max Count
Transfer Source Address
Transfer Source IPv6 Address
Transfer Source Port
Traps Enabled
TSIG Processing

Table 15-61 DNS Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Update ACL
Update Relax Zone Name
Xfer Ignore Serial Decrease
Xfer RR meta Data

CDNS

Table 15-62 CDNS Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRCDNS
Service Name
ACL Blacklist
ACL Do Not Query
ACL Query
Allow Any Query ACL
Activity Summary Interval
Activity Summary Settings
Activity Summary Type
Round Robin
RR Set Cache Size
Top Names
Top Names Max Age
Top Names Max Count
Cache Max Negative TTL
Cache Max TTL
Cache Min TTL
Contrack Usage Warning
Remote NS Cache Number Hosts
Remote NS Host TTL
Harden glue
Listen IP Version
Listen Protocol
Log Settings
Minimal Responses
Msg Cache Size

Table 15-62 CDNS Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Neg Cache Size
Port
Prefetch
Traps Enabled

DHCP

Table 15-63 DHCP Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRDHCP
Service Name
Activity Summary Interval
Address Block Default selection tags
AB Use Client Affinity
AB Use LAN Segments
AB Use Selection Tags
Cache Client for requests
Client Cache Count
Client Cache TTL
Client Class
Client Class Lookup Id
Collect Performance Stats
Collect Sample Counters
Default free address config
Defer Lease Extensions
Delete Orphaned Leases
Delete Orphaned Subnets
DNS Client Identity
DNS Timeout
Docsis version id missing
Drop old packets
Drop Packet on Extension Failure
Enhanced sample counters
Equal priority most available

Table 15-63 DHCP Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Expression configuration Trace level
Expression Trace level
Extension Trace level
Failover Recover
Force DNS Updates
Get Subnet Mask from Policy
GSS-TSIG Config
HA DNS Failover Timeout
Hardware unicast
Ignore Cisco Options
Ignore ICMP Errors
Ignore Requests for other servers
Import Mode
Inhibit Busy Optimization
Initial Environment Dictionary
IP History
IP History Max Age
Last transaction time granularity
Ldap Mode
Lease retention Max Age
Lease retention Min Age
Log Format
Log Settings
Mac Address only
Map Radius Class
Map Radius Pool Name
Map User Class Id
Max Client Leases
Max DHCP Requests
Max DHCP Responses
Max DNS Renaming retries
Max DNS Retries
Max DNS TTL
Max Ping Packets
Max Waiting Packets

Table 15-63 *DHCP Attribute Support on CPNR—Cisco Prime Network Version 5.3*

Attribute
Min DNS TTL
Multicast Address
One Lease per Client
Ping Clients
Ping Timeout
Priority Address Allocation
Return Client FQDN If Asked
Save Vendor Class Id
Server Flags
Skip Client Lookup
SMS Lease Interval
SMS Library Path
SMS Network Discovery
SMS Site Code
Synthesize reverse zone
Traps Enabled
Trim Host Name
Update DNS for bootp
Upgrade Unavailable Timeout
Use Client FQDN
Use Client FQDN First
Use DNS update Pre-Reqs
Use Host Name
Use LDAP Client data
V6 Client Class Lookup Id
V6 Default free address config
Validate Client Name as MAC
VPN Communication

TFTP

Table 15-64 *TFTP Attribute Support on CPNR—Cisco Prime Network Version 5.3*

Attribute
IMO Name—ICPNRTFTP
Service Name

Table 15-64 TFTP Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Active Directory Domain
Home Directory
Use Home Directory as root
File Cache
File Cache Directory
File Cache Max Memory Size
Max Inbound File Size
Initial Packet Timeout
Initial Packet Timeout ms
Packet Trace Level
Log-level
Log Settings
Min Socket Buffer Size
Port Number
Read-access
Write-access
Search List
Session Timeout

CCM

Table 15-65 CCM Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRCCM
Service Name
Addrutil Poll Interval
Addrutil Poll offset
Addrutil Poll Retry
Addrutil Trim Age
Addrutil Trim Interval
Admin failed login Limit
Admin Suspended Timeout
Admin Token Session Limit
Admin User Session Limit
Auth-type

Table 15-65 CCM Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Idle Timeout
Lease History Compression
Lease History Poll Interval
Lease History Poll Offset
Lease History Poll Retry
Lease History Trim Age
Lease History Trim Interval
Lease History TxnSeq-Index
Local-edit-mode
Poll replica RRS
Poller Event Threads
Regional edit-mode
Replica Poll Interval
Replica Poll Offset
Trim Changeset Age
Unauth Idle Timeout
Webui Mode

Clusters

Table 15-66 Clusters Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRClusters
Cluster Name
Address util Poll Interval
Address util Poll Offset
Address util Poll Retry
Admin User
Cluster ID
FQDN
Http port
Https Port
IPv4 Address
IPv6 Address
Lease History Poll Interval

Table 15-66 Clusters Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
Lease History Poll offset
Lease History Poll Retry
Licensed Services
Local Servers
Poll Replica RRS
Product version
Remote ID
Remote Offset
Replica Poll Interval
Replica Poll Offset
Replication Initialized
Restore State
SCP Port
SCP Read Timeout
Tenant Id
Use Https Port
Use SSL

Licenses

Table 15-67 Licenses Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRLicenses
License Key
Comments
Category
Key Type
Expiration
License Tier
Node Count
License Type
Valid
License Version

License Utilization

Table 15-68 License Utilization Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPNRLicenseUtilizationContainer
Type
IMO Name—ICPNRLicenseSubContainer
Cluster ID
Cluster Name
Display Level
Feature Name
Feature Type
License Status
Product Version
Right To Use
Service Name
Time Stamp
Utilized Nodes
IMO Name—ICPNRLicenseUtilization
Cluster ID
Cluster Name
Display Level
Feature Name
Feature Type
License Status
Product Version
Right To Use
Service Name
Time Stamp
Utilized Nodes

Failover Pair

Table 15-69 Failover Pair Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO
Name—ICPNRFailOverPairContainer
Type
IMO Name—ICPNRFailOverPair
FailOver Pair Name
Backup
Backup IPv6 Address
Backup Percentage
Backup Server
Dynamic Bootp Backup Percentage
FailOver
Load Balancing
Main
Main IPv6 Address
Main Server
MCLT
Relay Health Check
RHC Elapsed Time
RHC Request Count
RHC Restart Time
RHC Server Preference
RHC Unresponsive Time
RHC Warning Interval
Safe Period
Scope Template
Tenant Id
Safe Period Used

HA Pair

Table 15-70 HA Pair Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRHaPairContainer
Type

Table 15-70 HA Pair Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRHaPair
HA Pair Name
HA Backup
HA DNS
HA DNS Backup Master Name
HA DNS Backup Server
HA DNS Main Master Name
HA DNS Main Server
HA DNS Port
HA DNS SOA Master Name Update
HA DNS Sync Quiet Period
HA Main
HA Tenant Id

Zone Distribution

Table 15-71 Zone Distribution Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute
IMO Name—ICPNRZoneDistributionContainer
Type
IMO Name—ICPNRZoneDistribution
Zone Distribution Name
Master Servers
Notify
Notify List
Primary
Push Notifications
Restrict Query
Restrict Query ACL
Restrict xfer
Restrict xfer ACL
Round Robin
Tenant ID
Use GSS TSIG

Hardware

Table 15-72 Hardware Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute	CPNR
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	Y
DRAM Free	N
DRAM Used	N
DRAM Usage	N
Flash Device Size	N
NVRAM Size	N
Processor DRAM	N
Sys Contact	Y
Sys Location	Y
Serial Number	N
File Systems	N
IsVirtualElement	N
AssociatedHypervisor	N
AssociatedVirtualMachine	N
AssociatedComputeServer	N
TimeZone	N
cidsHealthSecMonAvailability	N
cidsHealthSecMonOverallHealth	N
cidsHealthSecMonSoftwareVersion	N
cidsHealthSecMonSignatureVersion	N

Table 15-72 Hardware Attribute Support on CPNR—Cisco Prime Network Version 5.3

Attribute	CPNR
cidsHealthSecMonLicenseStatus	N
cidsHealthSecMonMainAppStatus	N
cidsHealthSecMonAnalysisEngineStatus	N
cidsHealthSecMonCollaborationAppStatus	N
cidsHealthSecMonByPassMode	N
cidsHealthSecMonMissedPktPctAndThresh	N
cidsHealthSecMonAnalysisEngMemPercent	N
cidsHealthSecMonSensorLoad	N
cidsHealthSecMonVirtSensorName	N
cidsHealthSecMonVirtSensorStatus	N