



Release Notes for Cisco 2x2 Remote PHY Device, Cisco 2x2 RPD Software 4.x

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CHAPTER 1

Introduction



- Note** Explore the [Content Hub](#), the all new portal that offers an enhanced product documentation experience.
- Use faceted search to locate content that is most relevant to you.
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This Release Notes contain information about downloading and installing Cisco 2x2 RPD Software 4.x. It also provides new and changed information, hardware support, limitations and restrictions, and caveats for Cisco 2x2 RPD Software 4.x.

We recommend that you view the field notices for this release to see if your software or hardware platforms are affected. If you have an account at Cisco.com, you can find the field notices at http://www.cisco.com/en/US/customer/support/tsd_products_field_notice_summary.html.

If you do not have an account at Cisco.com, you can find the field notices at http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.



- Note** Cisco 2x2 RPD Software 4.x is generally available for field deployment. To ensure a smoother, faster, and successful field deployment, we recommend that you validate and qualify the software in a limited field trial.
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This chapter includes the following sections:

- [System Requirements, on page 2](#)
- [New and Changed Information, on page 3](#)
- [MIBs, on page 4](#)
- [Obtaining Documentation and Submitting a Service Request, on page 5](#)

System Requirements

These sections describe the system requirements for Cisco 2x2 RPD Software 4.x:

Hardware Supported

For detailed information about the hardware supported in Cisco 2x2 RPD Software, see:

[Cisco 1.2 GHz GS7000 Remote PHY Module Compatible 2X2 Segmentable Node Installation and Configuration Guide](#)

Determining the Software Version of Cisco 2x2 RPD Software 4.x

Cisco 2x2 RPD Software 4.2

To determine the version of the Cisco 2x2 RPD software running on your Cisco Remote PHY Device, log in and enter the **show cable rpd version** EXEC command:

```
Router#show cable rpd version
RPD ID                : 7070.8b43.3e8a
SN                    : AOI22160030
CurrentSwVersion      : RPD_2X2_v4.2.1+2870
Boot Rom Version      : 0.0.0
Device DescriptionBoot : RPD
```



Note The system image file name of the factory installed image is */bootflash/sw.package.signed_enc.2x2rpd.4.2.1.signed.tar.gz.SSA*.

Cisco 2x2 RPD Software 4.1

To determine the version of the Cisco 2x2 RPD software running on your Cisco Remote PHY Device, log in and enter the **show cable rpd version** EXEC command:

```
Router# show cable rpd version
RPD ID                : 7070.8b43.3e8a
SN                    : AOI22160030
CurrentSwVersion      : RPD_2X2_v4.1.0+2707
Boot Rom Version      : 0.0.0
Device DescriptionBoot : RPD
```



Note The system image file name of the factory installed image is */bootflash/sw.package.signed_enc.2x2rpd.4.1.signed.tar.gz.SSA*.

New and Changed Information

The following sections list the new hardware and software features supported on the Cisco 2x2 RPD Software 4.x:

New Software Features in Cisco 2x2 RPD Software 4.2

Cisco 2x2 RPD Software 4.2 release supports the following new features:

- Configure GCP KA timeout
- TACACS

Terminal Access Controller Access Control System (TACACS) is a security protocol that provides centralized validation of users who are attempting to gain access to a router or NAS. TACACS+, a more recent version of the original TACACS protocol, provides separate authentication, authorization, and accounting (AAA) services.

- RPD Event Support

Cisco 2x2 RPD Software 4.2 release provides support for the following events:

- 66070314
- 66070236
- 66070225
- 66070226
- 66070339
- 66070324
- 66070325
- 66070326



Note For more information, go through the version specification for these events in Cable Labs CM-SP-R-OSSI-I13-190828.

New Software Features in Cisco 2x2 RPD Software 4.1

The new software features for Cisco 2x2 RPD Software 4.1 release are listed below:

- Added support for the events 66070312, 66070313, and 66070323

Modified Software Features in Cisco 2x2 RPD Software 4.2

There are no modified software features for Cisco 2x2 RPD Software 4.2 release.

Modified Software Features in Cisco 2x2 RPD Software 4.1

There are no modified software features for Cisco 2x2 RPD Software 4.1 release.

Integrated Software Features in Cisco 2x2 RPD Software 4.2

There are no integrated software features for Cisco 2x2 RPD Software 4.2 release.

Integrated Software Features in Cisco 2x2 RPD Software 4.1

There are no integrated software features for Cisco 2x2 RPD Software 4.1 release.

New Hardware Features in Cisco 2x2 RPD Software 4.2

There are no new hardware features for Cisco 2x2 RPD Software 4.2 release.

New Hardware Features in Cisco 2x2 RPD Software 4.1

There are no new hardware features for Cisco 2x2 RPD Software 4.1 release.

MIBs

To locate and download MIBs for selected platforms, software releases, and feature sets, use Cisco MIB Locator found at the following URL:

<http://tools.cisco.com/ITDIT/MIBS/servlet/index>

To access Cisco MIB Locator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank e-mail to cco-locksmith@cisco.com. An automatic check verifies that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password is e-mailed to you. Qualified users can establish an account on Cisco.com by following the directions found at this URL:

<http://tools.cisco.com/RPF/register/register.do>

MIBs in Cisco 2x2 RPD Software 4.2

There are no new MIBs in Cisco 2x2 RPD Software 4.2 release.

MIBs in Cisco 2x2 RPD Software 4.1

The following MIBs are introduced in the Cisco 2x2 RPD Software 4.1 release:

- docsRphyStatsRpdDsScQamPerfStatsOutDiscards
- docsRphyStatsRpdDsScQamPerfStatsOutPackets
- docsRphyStatsRpdDsScQamPerfStatsRpdDsCounterDiscTime

- docsRphyStatsRpdUsScQamChanPerfStatsChanSnr
- docsRphyStatsRpdUsScQamChanPerfStatsHcsErrors
- docsRphyStatsRpdUsScQamChanPerfStatsLateMaps
- docsRphyStatsRpdUsScQamChanPerfStatsIllegalMaps
- docsRphyStatsRpdUsScQamChanPerfStatsDiscardedRequests
- docsRphyStatsRpdUsScQamChanPerfStatsRpdUsCounterDiscTime
- docsRphyStatsRpdDsOfdmPerfStatsOutDiscards
- docsRphyStatsRpdDsOfdmPerfStatsOutPackets
- docsRphyStatsRpdDsOfdmPerfStatsRpdDsCounterDiscTime
- docsRphyStatsRpdDsOob551PerfStatsOutDiscards
- docsRphyStatsRpdDsOob551PerfStatsOutPackets
- docsRphyStatsRpdDsOob551PerfStatsRpdDsCounterDiscTime
- docsRphyStatsRpdDsOob552PerfStatsOutDiscards
- docsRphyStatsRpdDsOob552PerfStatsOutPackets
- docsRphyStatsRpdDsOob552PerfStatsRpdDsCounterDiscTime
- docsRphyStatsRpdDsOfdmPlcPerfStatsOutDiscards
- docsRphyStatsRpdDsOfdmPlcPerfStatsOutPackets
- docsRphyStatsRpdDsOfdmPlcPerfStatsRpdDsCounterDiscTime
- docsRphyStatsRpdDsOfdmProfilePerfStatsOutCodewords

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see [What's New in Cisco Product Documentation](#).

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the [What's New in Cisco Product Documentation RSS feed](#). The RSS feeds are a free service.



CHAPTER 2

Caveat List

This chapter describes open severity 1 and 2 caveats and select severity 3 caveats:

- The *Open Caveats* sections list open caveats that apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.

The bug IDs are sorted alphanumerically.



Note The Caveats section includes the bug ID and a short description of the bug. For details on the symptoms, conditions, and workaround for a specific caveat you must use the Bug Search Tool.

- [Cisco Bug Search](#), on page 7
- [Open Caveats for Cisco 2x2 RPD Software 4.2](#), on page 7
- [Open Caveats for Cisco 2x2 RPD Software 4.1](#), on page 8
- [Resolved Caveats for Cisco 2x2 RPD Software 4.2](#), on page 8
- [Resolved Caveats for Cisco 2x2 RPD Software 4.1](#), on page 8

Cisco Bug Search

Cisco Bug Search Tool (BST), the online successor to Bug Toolkit, is designed to improve effectiveness in network risk management and device troubleshooting. You can search for bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. For more details on the tool, see the help page located at <http://www.cisco.com/web/applicat/cbsshelp/help.html>.

Open Caveats for Cisco 2x2 RPD Software 4.2

Caveat ID Number	Description
CSCvs07079	CIN Link Timeout Event (66070231) impossible to create as Link is always deemed to be up
CSCvs31571	55-2 OOB Downstream uncorrectables errors seen at STB/Cricket analyzer.

Caveat ID Number	Description
CSCvt09882	CBR8 LC crash due to incorrect RxMER data received from v4.2.1 2x2-RPD
CSCvt08079	NDF/NDR Upstream Capture/Sweepcan become non-functional after Viavi attempts to re-enable US Capture

Open Caveats for Cisco 2x2 RPD Software 4.1

Caveat ID Number	Description
CSCvr22887	Number of allocated channels on the RPD are always zero
CSCvr60456	Lost video on NC channels after multiple LC switchovers

Resolved Caveats for Cisco 2x2 RPD Software 4.2

Caveat ID Number	Description
CSCvo02390	node offline after !online a short time with GCPP server v0.11
CSCvr22887	Number of allocated channels on the RPD are always zero
CSCvs35337	2X2 SW version is corrupt in a device that has been offline for a few days

Resolved Caveats for Cisco 2x2 RPD Software 4.1

Caveat ID Number	Description
CSCvr22875	Downstream OFDM channels are not restored after a shut/no-shut operation