



## **Cisco Nexus 1000V InterCloud Command Reference**

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# Cisco Nexus 1000V InterCloud Commands

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# clear intercloud tunnel history

To clear the history of old tunnels from the Cisco Nexus 1000V InterCloud switch, use the **clear intercloud tunnel history** command.

**clear intercloud tunnel history**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **clear intercloud tunnel history** command on the InterCloud Switch and the InterCloud Extender.

Related Commands	Command	Description
	<b>clear intercloud tunnel statistics</b>	Clears the InterCloud tunnel statistics

# clear intercloud tunnel statistics

To clear the InterCloud tunnel statistics from the Cisco Nexus 1000V InterCloud switch, use the **clear intercloud tunnel statistics** command.

```
clear intercloud tunnel statistics [tunnel-id] [remote vm] [remote uuid]
```

---

**Syntax Description** None

---

**Defaults** None

---

**Command Modes** Any command mode

---

**SupportedUserRoles** network-admin  
network-operator

---

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

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**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **clear intercloud tunnel statistics** command on the InterCloud Switch.

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Related Commands	Command	Description
	<b>Clear intercloud tunnel history</b>	Clears the InterCloud old tunnel history.

---

# clear logging intercloud [vm name]

To clear InterCloud Agent logs for the VM, use the **clear logging intercloud [vm name]** command.

**clear logging intercloud [vm name]**

## Syntax Description

This command has the following arguments or keywords:

vm name	Name of the virtual machine you want to the clear the InterCloud logs for.
---------	--

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **clear logging intercloud [vm name]** command on the InterCloud Switch.

## Related Commands:

Command	Description
<b>clear intercloud tunnel history</b>	Clears the history of old tunnels.
<b>clear intercloud tunnel statistics [vm name] [tunnel-id] [uuid]</b>	Clears the InterCloud tunnel statistics for a given VM, tunnel-ID, or the uuid from the Cisco Nexus 1000V InterCloud switch.

# clear module service intercloud all

To clear all the InterCloud modules, use the **clear module service intercloud all** command.

**clear module service intercloud all**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **clear module service intercloud all** command on the Cisco Nexus 1000V InterCloud VSM.

Related Commands:	Command	Description
	<b>clear module service intercloud module-id statistics</b>	Clears the InterCloud module statistics for a given module ID.
	<b>clear module service intercloud module-id vm</b>	Clears the InterCloud module for a given module ID for a VM.

# clear module service intercloud module id statistics

To clear the statistics of an InterCloud module, based on a module ID, use the **clear module service intercloud module id statistics** command.

**clear module service intercloud module id statistics**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **clear module service intercloud module id statistics** command on the InterCloud Switch.

Related Commands:	Command	Description
	<b>clear module service intercloud module-id vm</b>	Clears the InterCloud module for a given module ID for a VM.
	<b>clear module service intercloud all</b>	Clears all the InterCloud modules.



# clear module service intercloud module-id vm

To clear the InterCloud module for a given module ID and a VM, use the **clear module service intercloud module-id vm** command.

```
clear module service intercloud module-id[module-id] vm [vm-uuid]
```

## Syntax Description

This command has the following arguments or keywords.

module-id	ID of a configured module in the Cisco Nexus 1000V InterCloud.
vm-uuid	uuid of the InterCloud VM which you want to clear.

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **clear module service intercloud module-id vm** command on the InterCloud Switch.

## Related Commands:

Command	Description
<b>clear module service intercloud all</b>	Clears all the InterCloud modules.
<b>clear module service intercloud module-id statistics</b>	Clears the InterCloud module statistics for a given module ID.

# event-log redundancy-mgr

To configure the redundancy manager event-logs, use the **event-log redundancy manager** command.

**event-log redundancy-mgr {trace | info| error} [terminal]**

## Syntax Description

This command has the following arguments or keywords.

<b>info</b>	Displays the informational event.
<b>error</b>	Displays the error event.
<b>trace</b>	Displays the debug/ trace event.
<b>terminal</b>	(Optional) Displays event logs in real time on the terminal.

## Defaults

None

## Command Modes

Global configuration and EXEC modes

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **event-log redundancy-mgr** command on the InterCloud Switch or the InterCloud Extender.

## Examples

The following example shows the output to the **event-log redundancy-mgr [terminal] command**:

```
switch# Thu Jun 27 14:37:25 2013 90000 usec hamgr_config_cg(394):Received configuration
from PA
Thu Jun 27 14:37:25 2013 90000 usec hamgr_config_cg(410):Received cgu_info configuration
Thu Jun 27 14:37:25 2013 90000 usec hamgr_cguinfo_to_nodeinfo(772):cgu_info: uuid
[AC5A0B56-51CF-397A-7529-CC0
920BC87A3], cluster_id [4], ha_role [1], opcode [1] , ip [10.193.73.174]
Thu Jun 27 14:37:25 2013 90000 usec hamgr_cginfo_process_action(538):Received action ADD
Thu Jun 27 14:37:25 2013 90000 usec hamgr_node_add(404):Using MGMT IP address from config
Thu Jun 27 14:37:25 2013 90000 usec hamgr_node_add(407):Local node configured successfully
Thu Jun 27 14:37:25 2013 90000 usec hamgr_pss_config_write(556):Writing pss config for
info
type HAMGR_NODE_INFO_LOCAL
Thu Jun 27 14:37:25 2013 90000 usec hamgr_pss_config_write(585):node_config pss does not
exist, creating uri volatile:/dev/shm/hamgr_node_configs
```

```

Thu Jun 27 14:37:25 2013 90000 usec hamgr_sockets_update(230):Updating sockets if
needed...
Thu Jun 27 14:37:25 2013 90000 usec hamgr_sockets_update(271):Sockets not enabled, tunnel
must be up
Thu Jun 27 14:37:25 2013 100000 usec hamgr_config_cg(394):Received configuration from PA
Thu Jun 27 14:37:25 2013 100000 usec hamgr_config_cg(436):Received peer_info configuration
Thu Jun 27 14:37:25 2013 100000 usec hamgr_peerinfo_to_nodeinfo(909):Printing peer_info
Thu Jun 27 14:37:25 2013 100000 usec hamgr_peerinfo_to_nodeinfo(911):peer_info : uuid :
A65AD6DC-D80F-0D5D-3341-58AEA0D0938C
Thu Jun 27 14:37:25 2013 100000 usec hamgr_peerinfo_to_nodeinfo(912):peer_info : ip_addr
(int) : 2873737482
Thu Jun 27 14:37:25 2013 100000 usec hamgr_peerinfo_to_nodeinfo(914):peer_info : ip_addr
(str) : 10.193.73.171
Thu Jun 27 14:37:25 2013 110000 usec hamgr_peerinfo_to_nodeinfo(915):peer_info : opcode :
1
Thu Jun 27 14:37:25 2013 110000 usec hamgr_cginfo_process_action(538):Received action ADD
Thu Jun 27 14:37:25 2013 110000 usec hamgr_node_list_add(744):Peer node added successfully
Thu Jun 27 14:37:25 2013 110000 usec hamgr_pss_config_write(556):Writing pss config for
info type HAMGR_NODE_INFO_PEER

```

**Related Commands**

Command	Description
<b>show system internal event-log all</b>	Displays internal event log information for all modules on the Cisco Nexus 1000V InterCloud.

# event-log tunnel-mgr

To configure the tunnel manager event-logs, use the **event-log tunnel-mgr** command.

**event-log tunnel-mgr {trace | info| error} [terminal]**

## Syntax Description

This command has the following arguments or keywords.

<b>info</b>	Displays the informational event.
<b>error</b>	Displays the error event.
<b>trace</b>	Displays the debug/ trace event.
<b>terminal</b>	(Optional) Displays event logs in real time on the terminal.

## Defaults

None

## Command Modes

Global configuration and EXEC modes

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **event-log tunnel-mgr** command on the InterCloud Switch or the InterCloud Extender.

## Related Commands

Command	Description
<b>event-log redundancy-mgr</b>	Displays redundancy manager event logs.

# intercloud redundancy switchover

To initiate a switchover in a high availability deployment, use the **intercloud redundancy switchover** command.

## **intercloud redundancy switchover**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Global configuration and EXEC modes

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **intercloud redundancy switchover** command on the InterCloud Extender.

Related Commands	Command	Description
	<b>show intercloud redundancy configuration</b>	Displays the HA configuration and status of the local system and remote peers on the InterCloud Switch and Extender.
	<b>show intercloud redundancy statistics heartbeat</b>	Displays the handshake and heartbeat related statistics between InterCloud Extenders in a high availability deployment.

# intercloud test ics-reachability

To verify if the InterCloud Switch is reachable, use the **intercloud test ics-reachability** command.

**intercloud test ics-reachability**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **intercloud test reachability** command on the InterCloud Extender.

**Examples** The following example shows the output to the **intercloud test reachability** command:

```
switch# intercloud test ics-reachability
PORT          STATE          SERVICE        REASON
6644/tcp      open           ctrl-channel   success
6644/udp      open           data-tunnel    success
22/tcp        open           ssh            success
80/tcp        filtered/ics-unreach http           Connection timed out
443/tcp       open
```

Related Commands	Command	Description
	<b>show intercloud redundancy configuration</b>	Displays the HA configuration and status of the local system and remote peers on the InterCloud Switch and Extender.
	<b>show intercloud redundancy statistics heartbeat</b>	Displays the handshake and heartbeat related statistics between InterCloud Extenders in a high availability deployment.

# logging level intercloud

To set the logging level for all or a particular component of the InterCloud Agent on a VM, use the **logging level intercloud** command.

```
logging level intercloud [{all | clp | cncl | cncm | driver | hamgr | intfmggr | stm | subagent} ]
[{{ emerg | alert | crit | err | warn | notice | inform | debug | disable}}] [{{all | vm name}}
```

## Syntax Description

This command has the following arguments or keywords.

<b>all</b>	Sets up logging level for all components.
<b>clp</b>	Sets up logging level for the Cloud Logging Platform.
<b>cncl</b>	Sets up logging level for the Cloud Node Communication Library.
<b>cncm</b>	Sets up logging level for the Cloud Node Communication Library.
<b>driver</b>	Sets up logging level for Cisco secure tunnel driver.
<b>hamgr</b>	Sets up logging level for HA Manager.
<b>intfmggr</b>	Sets up logging level for Interface manager.
<b>stm</b>	Sets up logging level for secure tunnel module.
<b>subagent</b>	Sets up logging level for Cloud secure wrapper agent.
<b>emerg</b>	Sets up the logging level to Emergency: system in unusable condition.
<b>alert</b>	Sets up the logging level Alert: action needed immediately condition.
<b>crit</b>	Sets up the logging level to Critical condition.
<b>err</b>	Sets up the logging level to Error.
<b>warn</b>	Sets up the logging level to Warning.
<b>notice</b>	Sets up the logging level to Notice: normal, but significant.
<b>inform</b>	Sets up the logging level to Information.
<b>debug</b>	Sets up the logging level to Debug.
<b>disable</b>	Sets up the logging level to Diasable logging.
<b>vmname</b>	Name of the VM.

## Defaults

None

## Command Modes

Any command mode

## SupportedUserRoles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines**

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **logging level intercloud [component name] [level] [vm name]** command on the InterCloud Switch.

Messages logged with an inferior level to the ones you set up for a component are ignored.

**Examples**

The following example shows the output to the **logging level intercloud [component name] [level] [vm name]** command:

```
switch# logging level intercloud intfmgr crit csr10
Sending command to csr10 VM...done
```

```
===== csr10 Logging Status =====
```

```
clp          notice
cncm         alert
cncl         info
subagent     info
stm          info
intfmgr      critical
hamgr        info
driver       info
```



# nsc-policy-agent

To register a Cisco Nexus 1000V InterCloud VSM with the Cisco Prime Network Services Controller, use the **nsc-policy-agent** command.

## nsc-policy-agent

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Global configuration mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **nsc-policy agent** command on the Cisco Nexus 1000V InterCloud VSM.

**Examples** The following example shows how to register the Cisco Nexus 1000V InterCloud VSM with the Cisco Prime Network Services Controller:

```
switch(config)# nsc-policy-agent
switch(config-nsc-policy-agent)# registration-ip 10.106.192.192
switch(config-nsc-policy-agent)# shared-secret Example_Secret123
switch(config-nsc-policy-agent)# policy-agent-image bootflash:/vsmcpa.<filename>.bin
switch(config)# copy running-config startup-config
switch(config)# exit
```

Related Commands	Command	Description
	<b>nsc-pa status</b>	Verify the registration status of the Cisco Nexus 1000V InterCloud VSM.





## **Cisco Nexus 1000V InterCloud Show Commands**

---

# show intercloud clink status

To display the status of an InterCloud clink, use the **show intercloud clink status** command.

**show intercloud clink status**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud clink status** command on the InterCloud Extender and the InterCloud Switch.

**Examples** The following is an example of the output to the **show intercloud clink status** command:

```
switch# show intercloud clink status
ICE:
-----
Name                Peer Ip           Config      Control      Tunnel      Tunnel
                   State            State       Connection   Connection   Id
-----
N1KV-IC-1-icx-1    128.107.239.233 OK           Up           Up           1
-----
```



**Note** The peer IP is the IP address that connects to the ICS end of the tunnel. In HTTPS mode, the peer IP is 127.0.0.1, because the tunnel connects through another local process that handles HTTPS port 443.

# show intercloud ctrl-channel config

To display information about the control channel configuration of Cisco Nexus 1000V InterCloud, use the **show intercloud ctrl-channel config** command.

**show intercloud ctrl-channel config**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud ctrl-channel config** command on the InterCloud Switch and the InterCloud Extender.

**Examples** The following example shows the output to the **show intercloud ctrl-channel config** command executed on the InterCloud Switch:

```
switch# show intercloud ctrl-channel config

self vm-info:
  type      : InterCloud-Switch
  name      : N1KV-IC-1-ics-1
  full-name : hcloud-root/vpc-vpc-1/ic1-N1KV-IC-1/ics-ics/N1KV-IC-1-ics-1
  uuid     : CF53C341-1E2D-7A87-DA17-052DDBAC4385
  ip       : 23.20.90.202
  HA state  : ACTIVE

peer vm-info:
  type      : InterCloud-Extender
  name      : N1KV-IC-1-icx-1
  uuid     : 4E56C414-6E87-B64D-BA31-E1418DA54CA0
  ip       : 172.22.236.124

cloud VM (CSW) vm-info:
```

## show intercloud ctrl-channel config

```

type      : InterCloud-Agent
name      : ic-vm-02
uuid     : B25EEEE1-F210-5691-FAA8-4D7CA8955386
ip       : 10.29.192.157

type      : InterCloud-Agent
name      : ic-vm-01
uuid     : 8F5F7FB0-954E-95FA-79F1-4836DBBF8BB7
ip       : 10.28.7.159

mgmt tunnel-info:
type      : site2site
id        : 1
key       : configured
key-len   : 16
reason    : valid key received

type      : access
id        : 2
key       : configured
key-len   : 16
reason    : valid key received

```

### Examples

The following example shows the output to the **show intercloud ctrl-channel config** command executed on the InterCloud Extender:

```

switch# show intercloud ctrl-channel config

self vm-info:
type      : InterCloud-Extender
name      : CNE1-icx-1
full-name : hcloud-root/vpc-VPC1/icl-CNE1/icx-icx/CNE1-icx-1
uuid     : CB5E791B-D5EC-D243-D45B-33C6413A40A5
ip       : 10.37.6.92
HA state  : ACTIVE

peer vm-info:
type      : InterCloud-Switch
name      : CNE1-ics-1
uuid     : D2512BDD-D93F-5618-7E16-E0BFBD0671B0
ip       : 75.101.174.199

mgmt tunnel-info:
type      : site2site
id        : 1
key       : configured
key-len   : 16
reason    : valid key received
CNE1-icx-1#

```

### Related Commands

Command	Description
<b>show intercloud ctrl-channel connections</b>	Displays information about the active VM connections on the Cisco Nexus 1000V InterCloud.
<b>show intercloud ctrl-channel connection status</b>	Displays the status of the active VM connections on the Cisco Nexus 1000V InterCloud.

# show intercloud ctrl-channel connections

To display information about the active VM connections on the Cisco Nexus 1000V InterCloud, use the **show intercloud ctrl-channel connections** command.

**show intercloud ctrl-channel connections**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud ctrl-channel connections** command on the InterCloud Switch.

**Examples** The following is an example of the output to the **show intercloud ctrl-channel connections** command executed on the InterCloud Switch:

```
switch# show intercloud ctrl-channel connections
vm-name                               type  ip                uuid
ic-vm-02                               ica   10.29.192.157
B25EEEEB1-F210-5691-FAA8-4D7CA8955386
ic-vm-01                               ica   10.28.7.159
8F5F7FB0-954E-95FA-79F1-4836DBBF8BB7
N1KV-IC-1-icx-1                       icx   172.22.236.124
4E56C414-6E87-B64D-BA31-E1418DA54CA0
N1KV-IC-1-ics-2                       ics   54.227.56.190
01533CB8-FCD9-DA12-3CC6-D7B3167D1EBD
```

**Examples** The following is an example of the output to the **show intercloud ctrl-channel connections** command executed on the InterCloud Extender:

```
switch# show intercloud ctrl-channel connections
vm-name                               type  ip                uuid
CNE1-ics-1                             ics   75.101.174.199
D2512BDD-D93F-5618-7E16-E0BFBD0671B0
```

## ■ show intercloud ctrl-channel connections

```
CNE1-icx-1#
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>show intercloud ctrl-channel config</b>	Displays the status of the InterCloud clink.
<b>show intercloud ctrl-channel connection status</b>	Displays the connection status of the InterCloud ctrl-channel connections.



# show intercloud ctrl-channel connection status

To display information about the status of active VM connections on the Cisco Nexus 1000V InterCloud, use the **show intercloud ctrl-channel connection status** command.

**show intercloud ctrl-channel connection status**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud ctrl-channel connection status** command on the InterCloud Switch and the InterCloud Extender.

**Examples** The following is an example of the output to the **show intercloud ctrl-channel connection status** command:

```
switch# show intercloud ctrl-channel connection status
uuid                               vm-name           type status  conn-state
failure-reason
B25EEEEB1-F210-5691-FAA8-4D7CA8955386 ic-vm-02         ica  ena      conn      none
8F5F7FB0-954E-95FA-79F1-4836DBBF8BB7 ic-vm-01         ica  ena      conn      none
4E56C414-6E87-B64D-BA31-E1418DA54CA0 N1KV-IC-1-icx-1 icx  ena      conn      none
01533CB8-FCD9-DA12-3CC6-D7B3167D1EBD N1KV-IC-1-ics-2 ics  ena      conn      none
CF53C341-1E2D-7A87-DA17-052DDBAC4385 N1KV-IC-1-ics-1 ics  ena      conn      Server up
and running.
```

Related Commands	Command	Description
	<b>show intercloud ctrl-channel config</b>	Displays information about the control channel configuration of the InterCloud clink.
	<b>show intercloud ctrl-channel connection</b>	Displays information about the active VM connections on the Cisco Nexus 1000V InterCloud.

# show intercloud port

To display the InterCloud port information, use the **show intercloud port** command.

## show intercloud port

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud port** command on the InterCloud Switch.

**Examples** The following example shows the output to the **show intercloud port** command:

```
switch# show intercloud port
self port-info
  uuid          : 2453F644-A36C-8BDB-D130-C50C4C8B9687
  type          : InterCloud-Switch
  name          : Sahara-ics-2
  mgmt-ip       : 10.2.67.174
  public-ip     : 50.17.0.197
  private-ip    : 10.37.43.110
  ha-peer-ip    : 10.84.78.29
  num-ports     : 2

  port          : 1
  name          : veth1-0
  type          : ics_site_to_site
  cm-index      : 0
  instance-id   : 0
  peer-status   : up
  mac-address   : 00:0E:08:00:00:04
  dv-port-id    : 5
  port-profile  : N1K_Cloud_Default_Trunk

  port          : 2
  name          : eth1
```

```

        type           : ics_mgmt
        cm-index       : 1
        instance-id    : 1
        mac-address    : 3E:9F:E2:D3:40:36
        dv-port-id     : 24579
        port-profile   : access-kumo-mgmt-72
        ip-mode        : static
        ip-address     : 10.2.67.174
        netmask        : 255.255.0.0
        gateway        : 10.2.0.1

peer port-info
peer-vm             : 1
uuid               : 6F526A57-1496-1D1C-7AB6-553FEB1696A2
type               : InterCloud-Extender
name               : Sahara-icx-2
tunnel-id         : 1
tunnel-ip         : 172.22.236.32
ctrl channel      : up

InterCloud-Agent port-info (total: 3)
InterCloud-Agent   : 1
uuid               : 055C130F-70D2-CF6C-E047-AC9C91E2ABBC
type               : InterCloud-Agent
name               : CVM-BB
tunnel-id         : 2
private-ip        : 10.119.2.67
ctrl channel      : up
domain name       :
dns1-ipaddr      : ---
dns2-ipaddr      : ---
num-ports        : 4

        port          : 1
        name          : veth2-0
        type          : cvm_veth
        cm-index      : 0
        instance-id   : 0
        peer-status   : up
        mac-address   : 00:0E:08:00:00:0D
        dv-port-id    : 40962
--More--

```

**Related Commands**

Command	Description
---------	-------------

# show intercloud redundancy config

To display the high availability (HA) configuration and the status of the local system and remote peers, use the **show intercloud redundancy configuration** command.

## show intercloud redundancy config

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud redundancy config** command on the InterCloud Switch.

**Examples** The following example shows the output to the **show intercloud redundancy config** command:

```
switch# show intercloud redundancy config

Redundancy Manager Information:

Cluster Node Count: 3

Local Node:
state           : Active
HA mode         : High Availability
uuid           : 2453F644-A36C-8BDB-D130-C50C4C8B9687
version        : 521111
cluster_id     : 1
priority       : Secondary
type           : InterCloud Switch
ipaddr [public]: 50.17.0.197

Tunnel Peer:
state           : Active
uuid           : 6F526A57-1496-1D1C-7AB6-553FEB1696A2
type           : InterCloud Extender
ipaddr [mgmt]  : 10.2.67.172
```

```
HA Peer:
  uuid       : DB51A7CD-32A0-1806-9E5E-A63993B30DA9
  type       : InterCloud Switch
  ipaddr [priv] : 10.84.78.29
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>show intercloud redundancy heartbeat statistics</b>	Displays the handshake and heartbeat related statistics between InterCloud Extenders in a high availability deployment.
<b>show intercloud redundancy statistics platform</b>	Displays platform related statistics for a gateway.

# show intercloud redundancy statistics heartbeat

To display the handshake and heartbeat related statistics between Cisco Nexus 1000V InterCloud Extenders (ICX) in a high availability deployment, use the **show intercloud redundancy statistics heartbeat** command.

**show intercloud redundancy statistics heartbeat**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud redundancy statistics heartbeat** command on the InterCloud Switch.

**Examples** The following example shows the output to the **show intercloud redundancy statistics heartbeat** command:

```
HA Manager Heartbeat Stats:
Heartbeat Frequency (s) : 5
Heartbeat Timeout (s) : 30
rx_handshake_pkts : 2
tx_handshake_pkts : 4
rx_heartbeat_pkts : 143
tx_heartbeat_pkts : 143
rx_drops_invalid_src_addr : 0
rx_drops_wrong_cluster : 0
rx_drops_queue_full : 0
rx_drops_not_ready : 0
rx_drops_wrong_version : 0
rx_unknown_pkts : 0
WAN Timeout (s) : 300
WAN HB Count : 0
```

Related Commands	Command	Description
	<b>show intercloud redundancy configuration</b>	Displays the HA configuration and status of the local system and remote peers on the InterCloud Switch and Extender.
	<b>show intercloud redundancy statistics platform</b>	Displays platform related statistics for a gateway.

# show intercloud redundancy statistics platform

To display the platform related statistics for a gateway in a high availability deployment, use the **show intercloud redundancy statistics platform** command.

**show intercloud redundancy statistics platform**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud redundancy statistics platform** command on the InterCloud Switch.

**Examples** The following example shows the output to the **show intercloud redundancy statistics platform** command:

```
switch# show intercloud redundancy statistics platform

HA Manager Platform Stats:

  rx_cncl                : 2
  rx_cncl_inval          : 0
  tx_cncl                : 2
  tx_cncl_err            : 0

  rx_cnc_state_push_req  : 2
  rx_cnc_state_push_req_inval : 1
  rx_cnc_state_push_rsp  : 0
  rx_cnc_state_push_rsp_inval : 0
  tx_cnc_state_push_req  : 0
  tx_cnc_state_push_req_err : 0
  tx_cnc_state_push_rsp  : 2
  tx_cnc_state_push_rsp_err : 0
  tx_cnc_state_push_req_timeouts : 0
```



```

rx_cnc_csw_clean_req           : 0
rx_cnc_csw_clean_req_inval    : 0
rx_cnc_csw_clean_rsp          : 0
rx_cnc_csw_clean_rsp_inval    : 0
tx_cnc_csw_clean_req          : 0
tx_cnc_csw_clean_req_err      : 0
tx_cnc_csw_clean_rsp          : 0
tx_cnc_csw_clean_rsp_err      : 0
tx_cnc_csw_clean_req_timeouts : 0

rx_cnc_reboot_req             : 0
rx_cnc_reboot_req_inval       : 0
tx_cnc_reboot_req             : 0
tx_cnc_reboot_req_err         : 0

rx_cnc_peer_alive_req         : 0
rx_cnc_peer_alive_req_inval   : 0
tx_cnc_peer_alive_req         : 0
tx_cnc_peer_alive_req_err     : 0
tx_cnc_peer_alive_req_timeouts : 0
rx_cnc_peer_alive_rsp         : 0
rx_cnc_peer_alive_rsp_inval   : 0
tx_cnc_peer_alive_rsp         : 0
tx_cnc_peer_alive_rsp_err     : 0

```

**Related Commands**

Command	Description
<b>show intercloud redundancy configuration</b>	Displays the HA configuration and status of the local system and remote peers on the InterCloud Switch and Extender.
<b>show intercloud redundancy statistics heartbeat</b>	Displays the handshake and heartbeat related statistics between Cisco Nexus 1000V InterCloud Extenders (ICX) in a high availability deployment.

# show intercloud tunnel brief

To display a summary of the secure tunnels on the Cisco Nexus 1000V InterCloud, use the **show intercloud tunnel brief** command.

**show intercloud tunnel brief**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud tunnel brief** command on the InterCloud Switch and the InterCloud Extender.

**Examples** The following example shows the output to the **show intercloud tunnel brief** command.

```
switch # show intercloud tunnel brief
```

```
-----
Tunnel   Tunnel      Tunnel   Control   Peer
ID       Type        Status   Status    Name
-----
1        Site-to-Site Up        UP        N1KV-IC-1-icx-1
2        Access      Up        UP        ic-vm-01
3        Access      Up        UP        ic-vm-02
-----
```

Related Commands	Command	Description
	<b>show intercloud tunnel configuration</b>	Displays information about secure tunnel configuration of the Cisco Nexus 1000V InterCloud.
	<b>show intercloud tunnel statistics</b>	Displays the secure tunnel statistics of the Cisco Nexus 1000V InterCloud.

# show intercloud tunnel configuration

To display information about the secure tunnel configuration of the Cisco Nexus 1000V InterCloud, use the **show intercloud tunnel configuration** command.

## show intercloud tunnel configuration

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud tunnel configuration** command on the InterCloud Switch and the InterCloud Extender.

**Examples** The following example shows the output to the **show intercloud tunnel configuration** command:

```
switch # show intercloud tunnel config
ICS-Profile:
uuid                CF53C341-1E2D-7A87-DA17-052DDBAC4385
public-ip           23.20.90.202
local-ip            10.214.186.255
tunnel-port         6644

ICE-uuid            4E56C414-6E87-B64D-BA31-E1418DA54CA0

Site-to-Site-tunnel-profile:
Heartbeat-interval  1
Heartbeat-retries   120

Site-to-site-key-profile [Configured]
Encryption Algorithm AES-128-CBC
Hash Algorithm       SHA1
Key-Profile-Checksum F3DCD32E-FF03ECF0-A4A8835C-0996E004-B651F206
ReKey-State          Not-In-Progress
Epoch                0

Access-tunnel-profile:
```

## show intercloud tunnel configuration

```

Heartbeat-interval      1
Heartbeat-retries      120

Access-key-profile      [Configured]
Encryption Algorithm    AES-128-CBC
Hash Algorithm          SHA1
Key-Profile-Checksum    F3DCD32E-FF03ECF0-A4A8835C-0996E004-B651F206
ReKey-State             Not-In-Progress
Epoch                  0

cVM Information:

name                     ic-vm-01
uuid                     8F5F7FB0-954E-95FA-79F1-4836DBBF8BB7

name                     ic-vm-02
uuid                     B25EEEE1-F210-5691-FAA8-4D7CA8955386

```

### Related Commands

Command	Description
<b>show intercloud tunnel statistics</b>	Displays the secure tunnel statistics of the Cisco Nexus 1000V InterCloud.

# show intercloud tunnel history

To display the history of secure tunnels on the Cisco Nexus 1000V InterCloud, use the **show intercloud tunnel history** command.

**show intercloud tunnel history**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud tunnel history** command on the InterCloud Switch and the InterCloud Extender.

**Examples** The following example shows the output to the **show intercloud tunnel history** command executed from the InterCloud Switch:

```
switch# sh intercloud tunnel history
No Old Tunnels
CNE1-ics-1#
```

The following example shows the output to the **show intercloud tunnel history** command executed from the InterCloud Extender:

```
switch # show intercloud tunnel history
No Old Tunnels
CNE1-icx-1#
```

Related Commands	Command	Description
	<b>show intercloud tunnel configuration</b>	Displays information about secure tunnel configuration of the Cisco Nexus 1000V InterCloud .

# show intercloud tunnel statistics

To display the statistics for secure tunnels on the Cisco Nexus 1000V InterCloud, use the **show intercloud tunnel statistics [ remote-uuid | remote-vm-name | tunnel-id ]** command.

**show intercloud tunnel statistics { remote-uuid [uuid] | remote-vm-name [vm-name] | tunnel-id [tid] }**

## Syntax Description

This command has the following arguments or keywords:

<b>remote-uuid</b>	Displays secure tunnel statistics for a remote uuid.
<b>remote-vm-name</b>	Displays secure tunnel statistics for a remote VM.
<b>tunnel-id</b>	Displays secure tunnel statistics for a tunnel ID.

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud tunnel statistics [ remote-uuid | remote-vm-name | tunnel-id ]** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show intercloud tunnel statistics [ remote-uuid | remote-vm-name | tunnel-id ]** command:

```
switch # show intercloud tunnel statistics
Total tunnels           3
Tunnel ID              1
Tunnel Type            Site-To-Site
Remote UUID            4E56C414-6E87-B64D-BA31-E1418DA54CA0
Remote VM Name         N1KV-IC-1-icx-1
Create Time            Mon Jul  8 15:55:28 2013

Control Status         UP
Tunnel Status          UP
RX Packets             364048
TX Packets             196621
RX Drops               0
```

```

TX Drops                                0
RX Heartbeats                           175850
TX Heartbeats                            175506
TX Heartbeat Errors                      0
Rx Control Packets                       0
Netlink Drops                            0
Epoch Failures                          0
Encryption Errors                        0
Bad Sequence Drops                       0
Invalid MAC Drops                        0

Tunnel ID                                2
Tunnel Type                               Access
Remote UUID                              8F5F7FB0-954E-95FA-79F1-4836DBBF8BB7
Remote VM Name                           ic-vm-01
Create Time                              Mon Jul  8 16:01:44 2013

Control Status                           UP
Tunnel Status                            UP
RX Packets                               79
TX Packets                               6010
RX Drops                                 0
TX Drops                                 0
RX Heartbeats                            175474
TX Heartbeats                            175130
TX Heartbeat Errors                      0
Rx Control Packets                       0
Netlink Drops                            0
Epoch Failures                          0
Encryption Errors                        0
Bad Sequence Drops                       0
Invalid MAC Drops                        0

Tunnel ID                                3
Tunnel Type                               Access
Remote UUID                              B25EEEE1-F210-5691-FAA8-4D7CA8955386
Remote VM Name                           ic-vm-02
Create Time                              Mon Jul  8 16:22:02 2013

Control Status                           UP
Tunnel Status                            UP
RX Packets                               64
TX Packets                               5948
RX Drops                                 0
TX Drops                                 0
RX Heartbeats                            174256
TX Heartbeats                            173912
TX Heartbeat Errors                      0
Rx Control Packets                       0
Netlink Drops                            0
Epoch Failures                          0
Encryption Errors                        0
Bad Sequence Drops                       0
Invalid MAC Drops                        0

```

**Related Commands**

Command	Description
<b>show intercloud tunnel configuration</b>	Displays information about secure tunnel configuration of the Cisco Nexus 1000V InterCloud.
<b>show intercloud tunnel</b>	Displays information about the secure tunnels on the Cisco Nexus 1000V InterCloud.

# show intercloud vm kernel-log

To obtain the Cisco secure tunnel driver logs for an InterCloud VM, use the **show intercloud vm kernel-log** command.

**show intercloud vm [vm-name] kernel-log**

## Syntax Description

This command has the following arguments or keywords:

vm-name	Name of the InterCloud VM for which you want to access the kernel log.
---------	--

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud vm kernel-log** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show intercloud vm kernel-log** command:

```
switch# show intercloud vm ic-vm-02 kernel-log
Sending command to ic-vm-02 VM...done
Collected data from ic-vm-02 VM is successfully written to
/bootflash/log/clp_kerlog_ic-vm-02_2013-07-10-17-17-46
***** The last 40 lines of the file *****
c000 Mon Jul  8 15:59:13 2013: ifd_event: INTFD_VETH_ALLOC device eth6
c000 Mon Jul  8 15:59:13 2013: ifd_info: interface feature val 0x0
c000 Mon Jul  8 15:59:13 2013: ifd_event: INTFD_VETH_REGISTER device eth6
c000 Mon Jul  8 15:59:13 2013: ifd_info: tx disbaled on --- (0, 7)
c000 Mon Jul  8 15:59:13 2013: ifd_info: allocated eth7 at vmdb_idx 0 for intf_id 7
c000 Mon Jul  8 15:59:13 2013: ifd_event: INTFD_VETH_ALLOC device eth7
c000 Mon Jul  8 15:59:13 2013: ifd_info: interface feature val 0x0
c000 Mon Jul  8 15:59:13 2013: ifd_event: INTFD_VETH_REGISTER device eth7
c000 Mon Jul  8 15:59:13 2013: ifd_info: 8 interfaces created in CSW
c000 Mon Jul  8 15:59:13 2013: ctdrv: ctdrv_register():75 register ctdrv minor device 1
c000 Mon Jul  8 15:59:13 2013: ctdrv: ctdrv_register():75 register ctdrv minor device 0
c000 Mon Jul  8 15:59:13 2013: ctdrv-std-err: std_netlink_init(): std_netlink_init:
Netlink initialization succssful
```



```

c000 Mon Jul 8 15:59:13 2013: ctdrv version 6 running on CSW
c000 Mon Jul 8 16:01:49 2013: ctdrv: ctdrv_open():59 ctdrv opened for minor device 0
c000 Mon Jul 8 16:01:49 2013: ctdrv: do_init_params_cfg():409 init_params: 1481 3 2
c000 Mon Jul 8 16:01:49 2013: ctdrv: ctdrv_open():59 ctdrv opened for minor device 1
c000 Mon Jul 8 16:01:49 2013: ifd_info: opening intfd
c000 Mon Jul 8 16:02:19 2013: ctdrv: do_tp_cfg():454 tp: 2 0
c000 Mon Jul 8 16:02:19 2013: ctdrv: do_kp_cfg():467 kp: 2 0 2 16 1 32
c000 Mon Jul 8 16:02:21 2013: ctdrv: do_dtls_cfg():421 dtlscfg: 0x9dc01d0a 23260
c000 Mon Jul 8 16:02:21 2013: ctdrv: do_tun_cfg():397 tuncfg: 2 1 1 0xffbad60a 62489
c000 Mon Jul 8 16:02:21 2013: ifd_info: process VM_CREATE ioctl for tunnel id 1, uuid
CF53C341-1E2D-7A87-DA17-052DDBAC4385
c000 Mon Jul 8 16:02:21 2013: ifd_info: created new vmdb for tunnel id 1,
c000 Mon Jul 8 16:02:21 2013: ifd_info: uuid CF53C341-1E2D-7A87-DA17-052DDBAC4385
c000 Mon Jul 8 16:02:21 2013: ifd_info: enable rx for tunnel id 1, vmdb index 0
c000 Mon Jul 8 16:02:21 2013: ifd_info: process VETH_CREATE ioctl tunnel id 1, intf id
0, ifname eth0, mac 00:0E:08:00:00:07, uuid CF53C341-1E2D-7A87-DA17-052DDBAC4385
c000 Mon Jul 8 16:02:21 2013: ifd_info: tx disbaled on eth0 (1, 0)
c000 Mon Jul 8 16:02:21 2013: ifd_info: tx enabled on eth0 (1, 0)
c000 Mon Jul 8 16:21:58 2013: ifd_info: closing intfd
c000 Mon Jul 8 16:22:04 2013: ctdrv: ctdrv_open():59 ctdrv opened for minor device 0
c000 Mon Jul 8 16:22:04 2013: ctdrv: do_init_params_cfg():409 init_params: 4457 3 2
c000 Mon Jul 8 16:22:04 2013: ctdrv: ctdrv_open():59 ctdrv opened for minor device 1
c000 Mon Jul 8 16:22:04 2013: ifd_info: opening intfd
c000 Mon Jul 8 16:22:05 2013: ctdrv: do_tunnel_restart():619 restart_params: op [0]
restart[1] tid[1]
c000 Mon Jul 8 16:22:05 2013: ctdrv: do_kp_cfg():467 kp: 2 1 2 16 1 32
c000 Mon Jul 8 16:22:05 2013: ctdrv: do_rks_cfg():433 rks: 2 3
c000 Mon Jul 8 16:22:05 2013: ctdrv: do_tunnel_restart():619 restart_params: op [0]
restart[0] tid[1]
c000 Mon Jul 8 16:22:05 2013: ctdrv: do_dtls_cfg():421 dtlscfg: 0x9dc01d0a 20200
c000 Mon Jul 8 16:22:05 2013: ctdrv: do_tun_cfg():397 tuncfg: 2 1 5 0xffbad60a 62489
N1KV-IC-1-ics-1# N1KV-IC-1-ics-1# show intercloud vm ic-vm-02 kernel-log

```

**Related Commands**

Command	Description
<b>show intercloud vm log</b>	Displays log records of a VM's InterCloud Agent.

# show intercloud vm log

To display log records of a VM's InterCloud Agent, use the **show intercloud vm log** command.

**show intercloud vm [vm-name] log**

## Syntax Description

This command has the following arguments or keywords:

vm-name	Name of the InterCloud VM for which you want to access the log.
---------	---

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud vm log** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show intercloud vm log** command:

```
switch# show intercloud vm ic-vm-02 log
Sending command to ic-vm-02 VM...done
Collected data from ic-vm-02 VM is successfully written to
/bootflash/log/clp_xoslog_ic-vm-02_2013-07-10-17-21-44
***** The last 40 lines of the file *****
[07/10/13 17:23:39.325 PDT 297 4457] cncl:6: Timer start for TID:0xc603ea, tobj =
0x251faa0
[07/10/13 17:23:39.325 PDT 298 4457] subagent:6: sent 252 bytes
[07/10/13 17:23:39.325 PDT 299 4457] cncl:7:
RNSS:{TID-0xc603ea;EID(S-6,D-6);MSZ-12}:remote node send success

[07/10/13 17:23:39.325 PDT 29a 4457] cncl:7: RPMS:{TID-0xc603ea;EID(S-6,D-6);MSZ-12}:sent
msg (retval=0)

[07/10/13 17:23:39.325 PDT 29b 4457] subagent:6: sent 243 bytes
[07/10/13 17:23:39.325 PDT 29c 4457] cncl:7: RNSS:{TID-0xc603ea;EID(S-6,D-6);MSZ-3}:remote
node send success

[07/10/13 17:23:39.325 PDT 29d 4457] cncl:7: AKMS:{TID-0xc603ea;EID(S-6,D-6);MSZ-3}:sent
msg (retval = 0)
```

```

[07/10/13 17:23:39.325 PDT 29e 4457] cncl:6: AKSS:{TID-0xc603ea;EID(S-6,D-6);MSZ-28}:ack
send success

[07/10/13 17:23:39.340 PDT 29f 4457] subagent:6: read 243 bytes by fd 0x15
[07/10/13 17:23:39.340 PDT 2a0 4457] subagent:6: received 243 bytes
[07/10/13 17:23:39.340 PDT 2a1 4457] cncl:6: AKMR:{TID-0xa603ee;EID(S-6,D-6);MSZ-3}:ack
msg recvd

[07/10/13 17:23:39.340 PDT 2a2 4457] cncl:6: timer object removed for tid 0xa603ee
[07/10/13 17:23:39.381 PDT 2a3 4457] subagent:6: read 243 bytes by fd 0x15
[07/10/13 17:23:39.381 PDT 2a4 4457] subagent:6: received 243 bytes
[07/10/13 17:23:39.381 PDT 2a5 4457] cncl:6: AKMR:{TID-0xa603ef;EID(S-6,D-6);MSZ-3}:ack
msg recvd

[07/10/13 17:23:39.381 PDT 2a6 4457] cncl:6: timer object removed for tid 0xa603ef
[07/10/13 17:23:39.381 PDT 2a7 4457] subagent:6: read 243 bytes by fd 0x15
[07/10/13 17:23:39.381 PDT 2a8 4457] subagent:6: received 243 bytes
[07/10/13 17:23:39.381 PDT 2a9 4457] cncl:6: AKMR:{TID-0xa603f0;EID(S-6,D-6);MSZ-3}:ack
msg recvd

[07/10/13 17:23:39.381 PDT 2aa 4457] cncl:6: timer object removed for tid 0xa603f0
[07/10/13 17:23:39.381 PDT 2ab 4457] subagent:6: read 243 bytes by fd 0x15
[07/10/13 17:23:39.381 PDT 2ac 4457] subagent:6: received 243 bytes
[07/10/13 17:23:39.381 PDT 2ad 4457] cncl:6: AKMR:{TID-0xc603ea;EID(S-6,D-6);MSZ-3}:ack
msg recvd

[07/10/13 17:23:39.381 PDT 2ae 4457] cncl:6: timer object removed for tid 0xc603ea
[07/10/13 17:27:38.663 PDT 2af 4457] subagent:6: read 268 bytes by fd 0x15
[07/10/13 17:27:38.663 PDT 2b0 4457] subagent:6: received 268 bytes
[07/10/13 17:27:38.663 PDT 2b1 4457] cncl:6: MR:{TID-0xc603eb;EID(S-6,D-6);MSZ-28}:msg
recvd

[07/10/13 17:27:38.663 PDT 2b2 4457] clp:7: clp_lib_cncl_recv_handler: cncl message
received. source EID: 6 opcode 0
[07/10/13 17:27:38.663 PDT 2b3 4457] clp:6: received cnc command message. len: 28
[07/10/13 17:27:38.663 PDT 2b4 4457] clp:7: received send log command. series_id: 4

```

**Related Commands**

Command	Description
<b>show intercloud vm kernel-log</b>	Displays the Cisco secure tunnel driver logs for an InterCloud VM.

# show intercloud vm logging-status

To verify the InterCloud VM logging status, use the **show intercloud vm logging-status** command.

**show intercloud vm [vm-name] logging-status**

## Syntax Description

This command has the following arguments or keywords:

vm-name	Name of the InterCloud VM for which you want to access logging status.
---------	--

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud vm logging-status** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show intercloud vm logging-status** command:

```
switch# show intercloud vm ic-vm-02 logging-status
Sending command to ic-vm-02 VM...done

===== ic-vm-02 Logging Status =====

clp                debug
cncm                debug
cncl                debug
subagent           debug
stm                debug
intfmgr            debug
hamgr              debug
driver             debug
```

Related Commands	Command	Description
	show intercloud vm kernel-log	Displays Cisco secure tunnel driver logs for a VM in the cloud.
	show intercloud vm log	Displays log records of a VM's InterCloud Agent.

# show intercloud vm-names

To display information about names of the VM names on the cloud, use the **show intercloud vm-names** command.

**show intercloud vm-names**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud vm-names** command on the InterCloud Switch.

**Examples** The following is an example of the output to the **show intercloud vm-names** command:

```
switch# show intercloud vm-names
ic-vm-02          10.29.192.157          B25EEEB1-F210-5691-FAA8-4D7CA8955386
ic-vm-01          10.28.7.159           8F5F7FB0-954E-95FA-79F1-4836DBBF8BB7
```

Related Commands	Command	Description
	<b>show intercloud VM statistics</b>	Displays information about secure tunnel configuration of the Cisco Nexus 1000V InterCloud .
	<b>show intercloud tunnel statistics</b>	Displays the secure tunnel statistics of the Cisco Nexus 1000V InterCloud.

# show intercloud vm-stats

To display the statistics for the VMs on the cloud, use the **show intercloud vm-stats** command.

**show intercloud vm-stats** [*vm-name*]

## Syntax Description

This command has the following arguments or keywords:

vm-name	Name of the InterCloud VM for which you want to obtain the statistics.
---------	--

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud vm-stats** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show intercloud vm-stats** command:

```
switch# show intercloud vm-stats CVM-BB
This might take a while...Pl Wait

===== VM Statistics =====

-----
Uptime: 8 days 0 hours 13 mins
Total Memory: 1671 MB
Free Memory: 881 MB
Number of Processes: 107
load 1min: 0.00 5min: 0.00 15min: 0.00
Number of cpus: 1
cpu0 0 %sy 0 %us 0 %wa 0 %total

===== Process Information =====

-----
    Pid Process                %CPU
  22375 top                      0
```

## ■ show intercloud vm-stats

Related Commands	Command	Description
	show intercloud vm-names	Displays information about the names of the VMs in the cloud on the Cisco Nexus 1000V InterCloud .



# show intercloud vm system-info

To display the system info for an InterCloud VM, use the **show intercloud vm system-info** command.

**show intercloud vm [vm-name] system-info**

## Syntax Description

This command has the following arguments or keywords:

vm-name	Name of the InterCloud VM for which you want to access the system-info.
---------	---

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show intercloud vm system-info** command on the InterCloud Switch.

## Examples

The following example shows that the output to the **show intercloud vm system-info** command is stored on the bootflash, from where you can obtain the system information for the InterCloud VM.

```
switch# show intercloud vm RH60-64b-VMXNET system-info
Sending command to RH60-64b-VMXNET VM...done
Collected data from RH60-64b-VMXNET VM is successfully written to
/bootflash/log/clp_sysinfo_RH60-64b-VMXNET_2013-07-22-16-24-27
***** The content of the received file*****
```

## Related Commands

Command	Description
<b>show intercloud vm log</b>	Displays log records of a VM's InterCloud Agent.
<b>show intercloud vm kernel-log</b>	Displays Cisco secure tunnel driver logs for a VM in the cloud.

# show module service-module

To display information about the service modules for the Cisco Nexus 1000V InterCloud, use the **show module service-module** command.

```
show module service-module
```

---

**Syntax Description** This command has no arguments or keywords.

---

**Defaults** None

---

**Command Modes** Any command mode

---

**SupportedUserRoles** network-admin  
network-operator

---

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

---



---

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show module service-module** command on the Cisco Nexus 1000V InterCloud VSM.

---

**Examples** The following example shows the output to the **show module service-module** command:

```
switch(config)# show module service-module
Mod  Cluster-id  Role           HA Mode      Status
---  -
3    2           Secondary     HA           Standby
4    2           Primary       HA           Active
5    2           Primary       HA           Active
6    0           Standalone    Standalone   No Peer
```

---

Related Commands	Command	Description
	<b>show processes</b>	Displays the state and start count of all processes on the Cisco Nexus 1000V InterCloud modules.

---

# show module service intercloud

To display information about the Cisco Nexus 1000V InterCloud service modules, use the **show module service intercloud** command.

**show module service intercloud**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show module service intercloud** command on the Cisco Nexus 1000V InterCloud VSM.

**Examples** The following example shows the output to the **show module service intercloud** command:

```
switch# show module service intercloud
Mod Type           Name                Peer Tunnel  IP
-----
3  IC Extender      ic-11-1-icx-1      5    Up    10.2.0.84
4  IC Extender      ic-11-1-icx-2      6    Up    10.2.0.85
5  IC Switch        ic-11-1-ics-1      3    Up    192.168.231.3
6  IC Switch        ic-11-1-ics-2      4    Up    192.168.231.4
```

Related Commands:	Command	Description
	<b>show module service intercloud detail</b>	Lists details of the InterCloud modules.
	<b>show module service intercloud module-id</b>	Displays details of a given InterCloud module.

# show module service intercloud detail

To show details of the Cisco Nexus 1000V InterCloud module services, use the **show module service intercloud detail** command.

**show module service intercloud detail**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show module service intercloud detail** command on the Cisco Nexus 1000V InterCloud VSM.

**Examples** The following example shows the output to the **show module service intercloud detail** command:

```
switch# show module service intercloud detail
Mod  UUID                               IP                               Tunnel VM Name
-----
3    795FC3E1-850C-920A-1FBE-9CADDCCBDB0B8  10.2.0.84                       Up     ic-11-1-ic
5    735795B5-A3F1-28AE-EAA5-71F5EBE62EAE  192.168.231.3                   Up     ic-11-1-ic
--   a556d074-7bc3-221b-1e3a-29b226ed4c92  -----                          Up     ic-11-1-vm
--   5359cf2e-990d-3079-144f-91af7fa67a94  -----                          Up     ic-11-1-vm
4    CB52A8D5-80B3-9D79-44B7-8495374E2AB4  10.2.0.85                       Up     ic-11-1-ic
6    015E91A6-3FDB-D70E-5304-562E17D9A481  192.168.231.4                   Up     ic-11-1-ic
```

Related Commands	Command	Description
	<b>show module service intercloud</b>	Displays information about the Cisco Nexus 1000V InterCloud service modules.
	<b>show module service intercloud module-id</b>	Displays details of a given InterCloud module.

# show module service intercloud module-id

To display information about a particular module ID on the Cisco Nexus 1000V InterCloud , use the **show module service intercloud module-id** command.

**show module service intercloud module-id** [*module-id*]

## Syntax Description

This command has the following arguments or keywords:

module-id	The InterCloud service module ID for which you want to obtain the information.
-----------	--

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show module service intercloud module-id** command on the Cisco Nexus 1000V InterCloud VSM.

## Examples

The following example shows the output to the **show module service intercloud module-id** command:

```
switch# show module service intercloud module-id 3
IC Extender
-----
Module ID       : 3
CG Name         : ic-11-1-icx-1
CG UUID         : 795FC3E1-850C-920A-1FBE-9CADDDB0B8
CNE Name        : hcloud-root/vpc-vpc-1/icl-ic-11-1/icx-icx/ic-11-1-icx-1
IP Address      : 10.2.0.84

Remote Module ID : 5
CG Name         : ic-11-1-ics-1
CG UUID         : 735795B5-A3F1-28AE-EAA5-71F5EBE62EAE
CNE Name        : hcloud-root/vpc-vpc-1/icl-ic-11-1/ics-ics/ic-11-1-ics-1
IP Address      : 192.168.231.3
Tunnel State    : Up
Tunnel Type     : Site to site
-----
```

```
show module service intercloud module-id
```

**Related Commands:**

<b>Command</b>	<b>Description</b>
<b>show module service intercloud</b>	Displays information about the Cisco Nexus 1000V InterCloud service modules.
<b>show module service intercloud detail</b>	Displays details of the Cisco Nexus 1000V InterCloud module services.

# show module service intercloud module-id statistics

To display statistics for a module ID on the Cisco Nexus 1000V InterCloud , use the **show module service intercloud module-id statistics** command.

**show module service intercloud module-id [module-id] statistics**

## Syntax Description

This command has the following arguments or keywords:

module-id	The InterCloud service module ID for which you want to view the information.
-----------	--

## Defaults

None

## Command Modes

Any command mode

## SupportedUserRoles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show module service intercloud module-id statistics** command on the Cisco Nexus 1000V InterCloud VSM.

## Examples

The following example shows the output to the **show module service intercloud module-id statistics** command:

```
switch# show module service intercloud module-id 3 statistics
IC Extender
-----
Module ID       : 3
CG Name        : ic-11-1-icx-1
CG UUID       : 795FC3E1-850C-920A-1FBE-9CADDDB0B8
CNE Name      : hcloud-root/vpc-vpc-1/icl-ic-11-1/icx-icx/ic-11-1-icx-1
IP Address    : 10.2.0.84
Remote Module ID : 5
CG Name      : ic-11-1-ics-1
CG UUID     : 735795B5-A3F1-28AE-EAA5-71F5EBE62EAE
CNE Name    : hcloud-root/vpc-vpc-1/icl-ic-11-1/ics-ics/ic-11-1-ics-1
IP Address  : 192.168.231.3
Tunnel State : Up

Tunnel Statistics
```

■ **show module service intercloud module-id statistics**

```

-----
Tunnel Type      : Site to site
Rx Heartbeats    69891 Tx Heartbeats          70068
Rx Heartbeat Seq. No. 4359 Tx Heartbeat Seq. No.      4531
Rx Packets       78498 Tx Packets          145144
Rx Drops         0 Tx Drops                0
-----

```

<b>Related Commandss</b>	<b>Command</b>	<b>Description</b>
	<b>show module service intercloud</b>	Displays information about the Cisco Nexus 1000V InterCloud service modules.
	<b>show module service intercloud detail</b>	Displays details of the Cisco Nexus 1000V InterCloud module services.



# show module service intercloud module-id vm

To display information about a VM with a given module ID on the Cisco Nexus 1000V InterCloud, use the **show module service intercloud module-id vm** command.

**show module service intercloud module-id [module-id] vm [vm-uuid]**

## Syntax Description

This command has the following arguments or keywords:

vm-uuid	The InterCloud VM ID for which you want to obtain information
module-id	The InterCloud service module ID for which you want to obtain information.

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show module service intercloud module-id vm** command on the Cisco Nexus 1000V InterCloud VSM.

## Examples

The following example shows the output to the **show module service intercloud module-id vm** command:

```
cVSM-360# show module service intercloud module-id 4 vm
B05AFA5C-C580-25F3-96BC-A008722568BB
B05AFA5C-C580-25F3-96BC-A008722568BB
```

```
-----
Module ID       : 4
CG Name        : b360-CNE1-ics-1
CG UUID        : 5B5A0B96-5A1E-6AF5-CA11-C0619FAA61B0
CNE Name       : hcloud-root/vpc-VPC-east/ic1-b360-CNE1/ics-ics/b360-CNE1-ics-1
IP Address     : 10.2.68.85
```

```
CSW tunnel statistics
-----
```

■ **show module service intercloud module-id vm**

```
Tunnel State      : Up
UUID              : B05AFA5C-C580-25F3-96BC-A008722568BB
Tunnel Type       : Access
Rx Heartbeats     846483 Tx Heartbeats           844506
Rx Heartbeat Seq. No. 60051 Tx Heartbeat Seq. No.           58073
Rx Packets        90745 Tx Packets             145554688
Rx Drops          0 Tx Drops                     0
-----
```

**Related Commands:**

<b>Command</b>	<b>Description</b>
<b>show module service intercloud</b>	Displays information about the Cisco Nexus 1000V InterCloud service modules.
<b>show module service intercloud detail</b>	Displays details of the Cisco Nexus 1000V InterCloud module services.

# show nsc-pa status

To verify the registration status of the Cisco Nexus 1000V InterCloud VSM with Cisco Prime Network Services Controller, use the **show nsc-pa status** command.

**show nsc-pa status**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show nsc-pa status** command on the Cisco Nexus 1000V InterCloud VSM.

**Examples** The following example shows the output to the **show nsc-pa status** command:

```
switch# show nsc-pa status
NSC Policy-Agent status is - Installed Successfully. Version 3.0(0.33)-vsmc
```

Related Commands	Command	Description
	<b>nsc-policy-agent</b>	Registers a Cisco Nexus 1000V InterCloud VSM with the Cisco Prime Network Services Controller.
	<b>show nsc-pa tech-support</b>	Collects policy (PA) logs, creates a tar.gz file, and places in the bootflash directory for troubleshooting purposes.

# show nsc-pa tech-support

To collect the policy agent (PA) tech-support logs, use the **show nsc-pa tech-support** command. This command collects the logs and creates a tar.gz file and places it in the bootflash directory.

**show nsc-pa tech-support**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.2)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show nsc-pa tech-support** command on the InterCloud Extender and InterCloud Switch.

**Examples** The following example shows the output to the **show nsc-pa tech-support** command:

```
switch# show nsc-pa tech-support
The tech-support is at /bootflash/20130911063400-NF-ACL-UT-43-icx-1-techsupport.tgz
```

Related Commands	Command	Description
	<b>nsc-policy-agent</b>	Registers a Cisco Nexus 1000V InterCloud VSM with the Cisco Prime Network Services Controller.
	<b>show nsc-pa status</b>	Verifies the registration status of the Cisco Nexus 1000V InterCloud VSM with Cisco Prime Network Services Controller.

# show processes

To display the state and start count of all processes on the Cisco Nexus 1000V InterCloud modules, use the **show processes** command.

```
show processes {cpu | log | memory | vdc }
```

## Syntax Description

This command has the following arguments or keywords:

<b>cpu</b>	Displays CPU information for the processes.
<b>log</b>	Shows process logs information.
<b>memory</b>	Shows memory information for the processes.
<b>vdc</b>	Shows processes in VDC.

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show processes** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show processes** command:

```
switch# show processes
```

```

PID      State  PC          Start_cnt  TTY  Process
-----  -----  -
1        S      41520eb8   1          -    init
2        S      0          1          -    kthreadd
3        S      0          1          -    migration/0
4        S      0          1          -    ksoftirqd/0
5        S      0          1          -    watchdog/0
6        S      0          1          -    migration/1
7        S      0          1          -    ksoftirqd/1
8        S      0          1          -    watchdog/1
9        S      0          1          -    events/0

```

## show processes

```

10      S      0      1      -  events/1
11      S      0      1      -  khelper
12      S      0      1      -  xenwatch
13      S      0      1      -  xenbus
14      S      0      1      -  kblockd/0
15      S      0      1      -  kblockd/1
16      S      0      1      -  kseriod
17      S      0      1      -  ata/0
18      S      0      1      -  ata/1
19      S      0      1      -  ata_aux
20      S      0      1      -  ksuspend_usbd
21      S      0      1      -  khubd
22      S      0      1      -  pdflush
23      S      0      1      -  pdflush
24      S      0      1      -  kswapd0
25      S      0      1      -  aio/0
26      S      0      1      -  aio/1
27      S      0      1      -  nfsiod
28      S      0      1      -  khvcd
29      S      0      1      -  rpciod/0
30      S      0      1      -  rpciod/1
31      S      0      1      -  kirqd
32      S      0      1      -  kjournald
332     S 414f265e 1      -  ovsdb-server
333     S 4151e5b6 1      -  ovsdb-server
335     S 414f265e 1      -  ovs-vswitchd
336     S 4151e5b6 1      -  ovs-vswitchd
363     S      0      1      -  ktrace_control_
364     S      0      1      -  ktrace_control_
365     S      0      1      -  kctdrv_thr_0
366     S      0      1      -  kctdrv_thr_1
455     S b7fb1eb8 1      -  dhclient
1169    S 4151e5b6 1      -  portmap
1178    S 41520eb8 1      -  rpc.statd
1193    S      0      1      -  lockd
1194    S      0      1      -  nfsd
1195    S      0      1      -  nfsd
1196    S      0      1      -  nfsd
1197    S      0      1      -  nfsd
1198    S      0      1      -  nfsd
1199    S      0      1      -  nfsd
1200    S      0      1      -  nfsd
1201    S      0      1      -  nfsd
1206    S 41520eb8 1      -  rpc.mountd
1229    S 41520eb8 1      -  sysmgr
1766    S      0      1      -  mping-thread
1767    S      0      1      -  mping-thread
1796    S      0      1      -  stun_kthread
1797    S      0      1      -  stun_arp_mts_kt
1798    S      0      1      -  stun_packets_re
1799    S      0      1      -  stun_send_packe
1854    S      0      1      -  redun_kthread
1855    S      0      1      -  redun_timer_kth
2163    S      0      1      -  sf_rdn_kthread
2164    S 41520eb8 1      -  xinetd
2165    S 41520eb8 1      -  tftpd
2166    S 4151e5ed 1      -  syslogd
2167    S 41520eb8 1      -  sdwrapd
2168    S 41520eb8 1      -  platform
2177    S      0      1      -  ls-notify-mts-t

```

Related Commands	Command	Description

# show system internal event-log all

To display event log information for all modules on the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log all** command.

```
show system internal event-log all
```

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log all** command on the InterCloud Switch or the InterCloud Extender.

**Examples** The following example shows the output to the **show system internal event-log all** command:

```
switch# show system internal event-log all
`show system internal event-log vns-agent`

1) Event:E_MTS_RX, length:60, at 650000 usecs after Mon Jul 29 20:56:53 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X0222ADDA, Ret:SUCCESS
   Src:0x00000101/19339, Dst:0x00000101/753, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x0222ADDA, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000: 01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 33 32

2) Event:E_MTS_RX, length:60, at 280000 usecs after Mon Jul 29 20:56:02 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X02229849, Ret:SUCCESS
   Src:0x00000101/19331, Dst:0x00000101/753, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02229849, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000: 01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 33 31

7/29/2013 20:39:25:810000 INFO LIC: vns_agent_lic_lc_online:541 Not LC mod=5, do
ne.
```



```

4) Event:E_MTS_RX, length:60, at 810000 usecs after Mon Jul 29 20:39:25 2013
   [NOT] Opc:MTS_OPC_LC_ONLINE(1084), Id:0X0221207A, Ret:SUCCESS
   Src:0x00000101/744, Dst:0x00000101/0, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:212
   Payload:
   0x0000: 05 0c 00 06 00 00 00 00 00 00 06 02 06 02 00 00

7/29/2013 20:39:2:600000 INFO LIC: vns_agent_lic_lc_offline:582 Not LC mod=5, done.

6) Event:E_MTS_RX, length:60, at 600000 usecs after Mon Jul 29 20:39:02 2013
   [NOT] Opc:MTS_OPC_LC_OFFLINE(1051), Id:0X0221181A, Ret:SUCCESS
   Src:0x00000101/744, Dst:0x00000101/0, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:30
   Payload:
   0x0000: 05 0c 00 06 06 02 00 00 06 02 00 00 00 00 00 00

7) Event:E_MTS_RX, length:60, at 920000 usecs after Mon Jul 29 20:09:19 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X021E7835, Ret:SUCCESS
   Src:0x00000101/19170, Dst:0x00000101/753, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x021E7835, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000: 01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 32 33

```

**Related Commands:**

Command	Description
<b>show system internal event-log cmd-agent</b>	Displays CGA module event log information.
<b>show system internal event-log ctrl-channel-mgr</b>	Displays cloud node communicator event log information.
<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event log information.

# show system internal event-log cmd-agent

To display CGA module event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log cmd-agent** command.

**show system internal event-log cmd-agent**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log cmd-agent** command on the InterCloud Switch or the InterCloud Extender.

**Examples** The following example shows the output to the **show system internal event-log cmd-agent** command:

```
switch# show system internal event-log cmd-agent

1) Event:E_MTS_RX, length:60, at 181259 usecs after Mon Jul 29 14:44:16 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X00032A85, Ret:SUCCESS
   Src:0x00000101/28013, Dst:0x00000101/1236, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00032A85, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000:  01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 32 38

Mon Jul 29 14:21:02 2013 461259 usec Sent  MTS_OPC_STM_TUNNEL_EVENT[52] to CSA

Mon Jul 29 14:21:02 2013 461259 usec Header [mts_opcode=0x3bc05, nodeid=0, size=
52]

Mon Jul 29 14:21:02 2013 461259 usec Send message to DPA [size=52]

5) Event:E_MTS_RX, length:60, at 461259 usecs after Mon Jul 29 14:21:02 2013
   [NOT] Opc:MTS_OPC_STM_TUNNEL_EVENT(244741), Id:0X00032588, Ret:SUCCESS
   Src:0x00000101/1234, Dst:0x00000101/0, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:32
```

```
Payload:  
0x0000: 10 10 10 10 00 00 00 00 00 00 00 00 00 00 00 00
```

<b>Related Commands:</b>	<b>Command</b>	<b>Description</b>
	<b>show system internal event-log all</b>	Displays event-log information for all modules.
	<b>show system internal event-log ctrl-channel-mgr</b>	Displays cloud node communicator event-log information.
	<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event-log information.

# show system internal event-log ctrl-channel-mgr

To display cloud node communicator event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log ctrl-channel-mgr** command.

**show system internal event-log ctrl-channel-mgr**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log ctrl-channel-mgr** command on the InterCloud Switch or the InterCloud Extender.

**Examples** The following example shows the output to the **show system internal event-log ctrl-channel-mgr** command:

```
switch# show system internal event-log ctrl-channel-mgr
```

```
Mon Jul 29 14:46:23 2013 651259 usec Connect(1) to 10.196.62.175 on port 6644 failed with
err:Connection timed out
```

```
Mon Jul 29 14:46:23 2013 641259 usec Connect(1) to 10.144.5.162 on port 6644 failed with
err:Connection timed out
```

```
Mon Jul 29 14:46:23 2013 641259 usec Connect(1) to 10.39.103.238 on port 6644 failed with
err:Connection timed out
```

```
Mon Jul 29 14:46:18 2013 631259 usec trying to connect to server 10.164.12.250:6644
(04040404-0000-0000-0000-000000000000:csr04:3) ...
```

```
Mon Jul 29 14:46:18 2013 631259 usec trying to connect to server 10.144.78.75:6644
(06060606-0000-0000-0000-000000000000:csr06:3)...
```

```
Mon Jul 29 14:46:18 2013 631259 usec trying to connect to server 10.164.86.90:6644
(05050505-0000-0000-0000-000000000000:csr05:3)...
```

```
Mon Jul 29 14:45:46 2013 641259 usec Connect(1) to 10.144.78.75 on port 6644 failed with
err:Connection timed out
```

```
Mon Jul 29 14:45:46 2013 641259 usec Connect(1) to 10.164.12.250 on port 6644 failed with
err:Connection timed out
```

```
Mon Jul 29 14:45:46 2013 641259 usec Connect(1) to 10.164.86.90 on port 6644 failed with
err:Connection timed out
```

```
Mon Jul 29 14:45:41 2013 631259 usec trying to connect to server 10.147.194.27:6644
(02020202-0000-0000-0000-000000000000:csr02:3)...
```

```
Mon Jul 29 14:45:41 2013 631259 usec trying to connect to server 10.196.62.175:6644
(08080808-0000-0000-0000-000000000000:csr08:3)...
```

```
Mon Jul 29 14:45:41 2013 631259 usec trying to connect to server 10.154.141.230:6644
(03030303-0000-0000-0000-000000000000:csr03:3)...
```

**Related Commands:**

Command	Description
<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event-log information.
<b>show system internal event-log all</b>	Displays event-log information for all modules.
<b>show system internal event-log cmd-agent</b>	Displays CGA module event-log information.

# show system internal event-log interface-mgr

To display interface manager event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log interface-mgr** command.

**show system internal event-log interface-mgr**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log interface-mgr** command on the InterCloud Switch or the InterCloud Extender.

**Examples** The following example shows the output to the **show system internal event-log interface-mgr** command:

```
switch# show system internal event-log interface-mgr

Mon Jul 29 14:21:02 2013 631259 usec receive success

Mon Jul 29 14:21:02 2013 631259 usec
AKSS: {TID-0xa503ef;EID(S-5,D-5);UUID(S-10101010-0000-0000-0000-000000000000,D-7D5E4DBB-8A3F-39A4-7799-9A7A58EB50A9);MSZ-143}:ack send success

Mon Jul 29 14:21:02 2013 631259 usec
AKMS: {TID-0xa503ef;EID(S-5,D-5);UUID(S-7D5E4DBB-8A3F-39A4-7799-9A7A58EB50A9,D-10101010-0000-0000-0000-000000000000);MSZ-3}:sent msg (retval = 0)

Mon Jul 29 14:21:02 2013 631259 usec mts msg sent to SAP 1247 successfully
```

```

7/29/2013 14:21:2:631259 Debug: INTFMGR_MSG_PORT_STATUS, index: 1, instance-id: 1, status:
1

7/29/2013 14:21:2:631259 Debug: INTFMGR_MSG_PORT_STATUS, index: 0, instance-id: 0, status:
1

7/29/2013 14:21:2:631259 Info : received INTFMGR_MSG_PORT_STATUS msg, from:
10101010-0000-0000-0000-000000000000 cmd: 8, vm_type: 3, num_ports: 2

7/29/2013 14:21:2:631259 Info : processing [InterCloud-Switch] specific action for
INTFMGR_MSG_PORT_STATUS

7/29/2013 14:21:2:631259 Debug: uuid 10101010-0000-0000-0000-000000000000 found in
csw-list at index 9

7/29/2013 14:21:2:631259 Info : === processing INTFMGR_MSG_PORT_STATUS start ===

Mon Jul 29 14:21:02 2013 631259 usec
MR:{TID-0xa503ef;EID(S-5,D-5);UUID(S-10101010-0000-0000-0000-000000000000,D-7D5E4DBB-8A3F-
39A4-7799-9A7A58EB50A9);MSZ-143}:msg recvd

7/29/2013 14:21:2:581259 Info : Add virtual port cmd: /opt/ovs/bin/ovs-vsctl -t 2 -v
--log-file -- --may-exist add-port nlkvdvs veth2-1 -- set Interface veth2-1
external_ids:iface-id="31313131-3200
-0000-0000-000000000000" -- set Interface veth2-1 external_ids:port-profile="PP_VETH1" --
set Interface veth2-1 external_ids:port-type="virtual" -- set Interface veth2-1
external_ids:vm-uuid="10101
010-0000-0000-0000-000000000000" -- set Interface veth2-1
external_ids:attached-mac="00:A0:22:44:44:22" -- set Interface veth2-1
external_ids:vm-name="csr10"

7/29/2013 14:21:2:531259 Info : running command "/sbin/ifconfig veth2-1 up "

7/29/2013 14:21:2:531259 Debug: add veth name ---, MAC 02:02:17:00:02:01 intf-id 1

7/29/2013 14:21:2:531259 Debug: db_uuid 10101010-0000-0000-0000-000000000000 tunnel_id=2
MAC 00:A0:22:44:44:22

7/29/2013 14:21:2:531259 Debug: veth_add peer uuid 10101010-0000-0000-0000-000000000000

7/29/2013 14:21:2:531259 Debug: adding port [2/2] for tunnel-id 2

7/29/2013 14:21:2:491259 Info : Add virtual port cmd: /opt/ovs/bin/ovs-vsctl -t 2 -v
--log-file -- --may-exist add-port nlkvdvs veth2-0 -- set Interface veth2-0
external_ids:iface-id="31313131-3100
-0000-0000-000000000000" -- set Interface veth2-0 external_ids:port-profile="PP_VETH1" --
set Interface veth2-0 external_ids:port-type="virtual" -- set Interface veth2-0
external_ids:vm-uuid="10101
010-0000-0000-0000-000000000000" -- set Interface veth2-0
external_ids:attached-mac="00:A0:F8:44:44:11" -- set Interface veth2-0
external_ids:vm-name="csr10"

```

**Related Commands:**

**show system internal event-log interface-mgr**

<b>Command</b>	<b>Description</b>
<b>show system internal event-log all</b>	Displays event-log information for all modules.
<b>show system internal event-log cmd-agent</b>	Displays CGA module event-log information.
<b>show system internal event-log ctrl-channel-mgr</b>	Displays cloud node communicator event-log information.



# show system internal event-log ktracem

To display secure ktrace module event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log ktracem** command.

```
show system internal event-log ktracem
```

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log ktracem** command on the InterCloud Switch or the InterCloud Extender.

Related Commands:	Command	Description
	<b>show system internal event-log all</b>	Displays event-log information for all modules.
	<b>show system internal event-log cmd-agent</b>	Displays CGA module event-log information.
	<b>show system internal event-log ctrl-channel-mgr</b>	Displays cloud node communicator event-log information.

# show system internal event-log log-mgr

To display InterCloud log manager event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log log-mgr** command.

```
show system internal event-log log-mgr
```

---

**Syntax Description** This command has no arguments or keywords.

---

**Defaults** None

---

**Command Modes** Any command mode

---

**SupportedUserRoles** network-admin  
network-operator

---

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

---



---

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log log-mgr** command on the InterCloud Switch or the InterCloud Extender.

---

**Examples** The following example shows the output to the **show system internal event-log log-mgr** command:

```
switch # show system internal event-log log-mgr

1) Event:E_MTS_RX, length:60, at 941259 usecs after Mon Jul 29 14:54:01 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X00032B56, Ret:SUCCESS
   Src:0x00000101/28047, Dst:0x00000101/1254, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00032B56, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000:  01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 33 31

2) Event:E_MTS_RX, length:60, at 771259 usecs after Mon Jul 29 14:39:48 2013
   [REQ] Opc:MTS_OPC_VSH_CMD_TLV(7679), Id:0X000329B6, Ret:SUCCESS
   Src:0x00000101/7289, Dst:0x00000101/1254, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x000329B6, Sync:UNKNOWN, Payloadsize:280
   Payload:
   0x0000:  04 03 02 01 18 01 00 00 00 00 00 00 00 00 00 00

Mon Jul 29 14:39:48 2013 771259 usec receive success
```

```
Mon Jul 29 14:39:48 2013 771259 usec timer object removed for tid 0xc60461
```

```
Mon Jul 29 14:39:48 2013 771259 usec
AKMR: {TID-0xc60461;EID(S-6,D-6);UUID(S-10101010-0000-0000-0000-000000000000,D-7D5E4DBB-8A3
F-39A4-7799-9A7A58EB50A9);MSZ-3}:ack msg recvd
```

```
Mon Jul 29 14:39:48 2013 771259 usec receive success
```

```
Mon Jul 29 14:39:48 2013 771259 usec
AKSS: {TID-0xc60461;EID(S-6,D-6);UUID(S-10101010-0000-0000-0000-000000000000,D-7D5E4DBB-8A3
F-39A4-7799-9A7A58EB50A9);MSZ-12}:ack send success
```

```
Mon Jul 29 14:39:48 2013 771259 usec
AKMS: {TID-0xc60461;EID(S-6,D-6);UUID(S-7D5E4DBB-8A3F-39A4-7799-9A7A58EB50A9,D-10101010-000
0-0000-0000-000000000000);MSZ-3}:sent msg (retval = 0)
```

```
Mon Jul 29 14:39:48 2013 771259 usec mts msg sent to SAP 1247 successfully
```

```
Mon Jul 29 14:39:48 2013 771259 usec
MR: {TID-0xc60461;EID(S-6,D-6);UUID(S-10101010-0000-0000-0000-000000000000,D-7D5E4DBB-8A3F-
39A4-7799-9A7A58EB50A9);MSZ-12}:msg recvd
```

**Related Commands:**

Command	Description
<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event-log information.
<b>show system internal event-log all</b>	Displays event-log information for all modules.
<b>show system internal event-log cmd-agent</b>	Displays CGA module event-log information.

# show system internal event-log redundancy-mgr

To display HA Manager event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log redundancy-mgr** command.

**show system internal event-log redundancy-mgr**

## Syntax Description

This command has the following arguments or keywords:

name	Name of the InterCloud tunnel profile for which you want to obtain information.
------	---

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log redundancy-mgr** command on the InterCloud Switch or the InterCloud Extender.

## Examples

The following example shows the output to the **show system internal event-log redundancy-mgr** command:

```
switch# show system internal event-log redundancy-mgr

1) Event:E_MTS_RX, length:60, at 761259 usecs after Mon Jul 29 14:52:26 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X00032B35, Ret:SUCCESS
   Src:0x00000101/28041, Dst:0x00000101/1240, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00032B35, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000: 01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 33 30

2) Event:E_MTS_RX, length:60, at 821259 usecs after Mon Jul 29 14:52:05 2013
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X00032B2C, Ret:SUCCESS
   Src:0x00000101/28039, Dst:0x00000101/1240, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x00032B2C, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000: 01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 33 30
```

```

Mon Jul 29 14:21:02 2013 (461259 usec) :: hamgr_tunnel_event(955):Not standalone cgu/cgp
and not HA cgu, dropping event

Mon Jul 29 14:21:02 2013 (461259 usec) :: hamgr_tunnel_event(938):Received STM tunnel
event

5) Event:E_MTS_RX, length:60, at 461259 usecs after Mon Jul 29 14:21:02 2013
  [NOT] Opc:MTS_OPC_STM_TUNNEL_EVENT(244741), Id:0X00032588, Ret:SUCCESS
  Src:0x00000101/1234, Dst:0x00000101/0, Flags:None
  HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:32
  Payload:
  0x0000:  10 10 10 10 00 00 00 00 00 00 00 00 00 00 00 00

Mon Jul 29 14:21:01 2013 (621259 usec) :: hamgr_cncm_conn_event(1105):Not a CGu, dropping
cncm connection update

Mon Jul 29 14:21:01 2013 (621259 usec) :: hamgr_cncm_conn_event(1094):Received CNCM
Connection Event

8) Event:E_MTS_RX, length:60, at 621259 usecs after Mon Jul 29 14:21:01 2013
  [NOT] Opc:MTS_OPC_CNCM_CONNECTION_EVENT(244754), Id:0X00032583, Ret:SUCCESS
  Src:0x00000101/1247, Dst:0x00000101/0, Flags:None
  HA_SEQNO:0X00000000, RRtoken:0x00000000, Sync:UNKNOWN, Payloadsize:48
  Payload:
  0x0000:  10 10 10 10 00 00 00 00 00 00 00 00 00 00 00 00

9) Event:E_MTS_RX, length:48, at 801259 usecs after Mon Jul 29 13:41:57 2013
  [REQ] Opc:MTS_OPC_SYSMGR_PSS_SHRINK(2558), Id:0X00032262, Ret:SUCCESS
  Src:0x00000101/3, Dst:0x00000101/1240, Flags:None
  HA_SEQNO:0X00000000, RRtoken:0x00032262, Sync:UNKNOWN, Payloadsize:4
  Payload:
  0x0000:  00 01 86 a0

```

**Related Commands:**

Command	Description
<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event-log information.
<b>show system internal event-log all</b>	Displays event-log information for all modules.
<b>show system internal event-log cmd-agent</b>	Displays CGA module event-log information.

# show system internal event-log tunnel-mgr

To display secure tunnel module event-log information for the Cisco Nexus 1000V InterCloud Switch, use the **show system internal event-log tunnel-mgr** command.

**show system internal event-log tunnel-mgr**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal event-log tunnel-mgr** command on the InterCloud Switch.

**Examples** The following example shows the output to the **show system internal event-log tunnel-mgr** command:

```
switch# show system internal event-log tunnel-mgr

Mon Jul 29 14:21:02 2013 461259 usec Publishing tunnel up event for tunnel-id [2]

Mon Jul 29 14:21:02 2013 461259 usec Configuring tunnel information in cisco tunnel
driver, tunnel-op [1], tunnel_id [2], version [1], profile_id[2], remote_ip[10.164.53.242]
remote_port [39163]

Mon Jul 29 14:21:02 2013 461259 usec
Thread b2d16b90: DTLS server accepted connection from 10.164.53.242:39163 uuid
10101010-0000-0000-0000-000000000000

Mon Jul 29 14:21:02 2013 451259 usec psk_server_cb: psk_len = 16 max_psk_len = 32 enc_algo
2 hash_algo 1

Mon Jul 29 14:21:02 2013 451259 usec Received dtls client connection from
10.164.53.242:39163

Mon Jul 29 14:21:01 2013 641259 usec receive success
```

```

Mon Jul 29 14:21:01 2013 641259 usec timer object removed for tid 0xc403f1

Mon Jul 29 14:21:01 2013 641259 usec
AKMR:{TID-0xc403f1;EID(S-4,D-4);UUID(S-10101010-0000-0000-0000-000000000000,D-7D5E4DBB-8A3F-39A4-7799-9A7A58EB50A9);MSZ-3}:ack msg recvd

Mon Jul 29 14:21:01 2013 631259 usec
OWMS:{TID-0xc403f1;EID(S-4,D-4);UUID(S-7D5E4DBB-8A3F-39A4-7799-9A7A58EB50A9,D-10101010-000-0-0000-0000-000000000000);MSZ-981}:sent msg (retval=0)

Mon Jul 29 14:21:01 2013 631259 usec mts msg sent to SAP 1247 successfully

Mon Jul 29 14:21:01 2013 631259 usec Timer start for TID:0xc403f1, tobj = 0x891322c

Mon Jul 29 14:21:01 2013 621259 usec sending vm configuration to csw with uuid =
10101010-0000-0000-0000-000000000000 epoch 0

Mon Jul 29 14:21:01 2013 621259 usec received control connection status [1] for vm with
uuid = 10101010-0000-0000-0000-000000000000 , local_reason 1, remote_reason 1

Mon Jul 29 14:19:46 2013 601259 usec creating vm with uuid
10101010-0000-0000-0000-000000000000in the stm shared memory

Mon Jul 29 14:19:46 2013 601259 usec stm: unable to find vm with uuid
10101010-0000-0000-0000-000000000000 in the vm_info table

Mon Jul 29 14:19:46 2013 601259 usec Received VM config with name [csr10], uuid
10101010-0000-0000-0000-000000000000, ipaddress=10.164.53.242, opcode [1]

17) Event:E_MTS_RX, length:48, at 801259 usecs after Mon Jul 29 13:41:57 2013
[REQ] Opc:MTS_OPC_SYSMGR_PSS_SHRINK(2558), Id:0X00032236, Ret:SUCCESS
Src:0x00000101/3, Dst:0x00000101/1234, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x00032236, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 01 86 a0

```

**Related Commands**

Command	Description
<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event-log information.
<b>show system internal event-log all</b>	Displays event-log information for all modules.

# show system internal intercloud interface-mgr event-statistics

To display statistics for the InterCloud interface manager events, use the **show system internal intercloud interface-mgr event-statistics** command.

```
show system internal intercloud interface-mgr event-statistics
```

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show system internal intercloud interface-mgr event-statistics** command on the Cisco Nexus 1000V InterCloud VSM.

**Examples** The following example shows the output to the **show system internal intercloud interface-mgr event-statistics** command:

```
switch# show system internal intercloud interface-mgr event-statistics
INTFMGR_MSG_OPAQUE_DATA
  rx error      : 0
  rx total      : 1
  tx error      : 0
  tx total      : 0
INTFMGR_MSG_CGU_INFO
  rx error      : 0
  rx total      : 1
  tx error      : 0
  tx total      : 0
INTFMGR_MSG_CGP_INFO
  rx error      : 0
  rx total      : 1
  tx error      : 0
  tx total      : 0
INTFMGR_MSG_CG_HAPEER_INFO
  rx error      : 0
  rx total      : 1
```



```

tx error      : 0
tx total     : 0
INTFMGR_MSG_VM_PORTS_INFO
rx error     : 0
rx total    : 4
tx error     : 0
tx total    : 0
INTFMGR_MSG_STUN_EVENT
rx error     : 0
rx total    : 4
tx error     : 0
tx total    : 0
INTFMGR_MSG_CSW_INFO
rx error     : 0
rx total    : 3
tx error     : 0
tx total    : 0
INTFMGR_MSG_VM_PORT_CONFIG
rx error     : 0
rx total    : 0
tx error     : 0
tx total    : 0
INTFMGR_MSG_PORT_STATUS
rx error     : 0
rx total    : 4
tx error     : 0
tx total    : 0
INTFMGR_MSG_PORT_ERROR
rx error     : 0
rx total    : 0
tx error     : 0
tx total    : 0
INTFMGR_MSG_CNCM_CONN_EVENT
rx error     : 0
rx total    : 5
tx error     : 0
tx total    : 0
INTFMGR_MSG_PA_SVR_CFG
rx error     : 0
rx total    : 1
tx error     : 0
tx total    : 0
INTFMGR_MSG_DEBUG_CMD
rx error     : 0
rx total    : 0
tx error     : 0
tx total    : 0

```

**Related Commands**

Command	Description
<b>show system internal event-log interface-mgr</b>	Displays interface-mgr event-log information.
<b>show system internal event-log all</b>	Displays event-log information for all modules.

# show tunnel-profile

To display information of a specific tunnel profile on the Cisco Nexus 1000V InterCloud Switch, use the **show tunnel-profile** command.

**show tunnel-profile** [*name*]

## Syntax Description

This command has the following arguments or keywords:.

name	Name of the InterCloud tunnel profile for which you want to obtain information.
------	---

## Defaults

None

## Command Modes

Any command mode

## Supported User Roles

network-admin  
network-operator

## Command History

Release	Modification
5.2(1)IC1(1.1)	This command was first introduced.

## Usage Guidelines

The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the **show tunnel-profile** command on the InterCloud Switch.

## Examples

The following example shows the output to the **show tunnel-profile** command:

```
switch# sh tunnel-profile TP1
Tunnel Profile      : TP1
Tunnel Type         : Site to Site
Key Profile         : KP1
Encryp Algo         : AES 128(CBC)
Encryp Key Len      : 16
Hash Algo           : SHA 1
Hash Key Len        : 32
Rekey Period        : 300
HB Timeout          : 120
HB Interval         : 1
```

## Related Commands:

Command	Description
<b>show tunnel-profile all</b>	Lists all the tunnel profiles configured on the InterCloud Switch.

# show tunnel-profile all

To list all the tunnel profiles configured on the InterCloud Switch, use the **show tunnel-profile all** command.

**intercloud tunnel-profile all**

**Syntax Description** This command has no arguments or keywords.

**Defaults** None

**Command Modes** Any command mode

**SupportedUserRoles** network-admin  
network-operator

Command History	Release	Modification
	5.2(1)IC1(1.1)	This command was first introduced.

**Usage Guidelines** The source of the InterCloud CLI commands can vary depending on the devices you can execute the commands from. You can execute the show tunnel-profile all **show tunnel-profile all** command on the Cisco Nexus 1000V InterCloud VSM.

**Examples** The following example shows the output to the **show tunnel-profile all** command:

```
switch# show tunnel-profile all
Tunnel Profile      : default
Tunnel Type         : Site to Site
Key Profile         : default
Encryp Algo         : AES 128(CBC)
Encryp Key Len      : 16
Hash Algo           : SHA 1
Hash Key Len        : 32
Rekey Period        : 0
HB Timeout          : 120
HB Interval         : 1
```

```
-----
Tunnel Profile      : TP2
Tunnel Type         : Site to Site
Key Profile         : KP2
Encryp Algo         : AES 256(CBC)
Encryp Key Len      : 32
Hash Algo           : SHA 256
Hash Key Len        : 32
Rekey Period        : 301
```

■ **show tunnel-profile all**

```

HB Timeout      : 120
HB Interval     : 2

```

```

-----
Tunnel Profile  : TP1
Tunnel Type     : Site to Site
Key Profile     : KP1
Encryp Algo     : AES 128(CBC)
Encryp Key Len  : 16
Hash Algo       : SHA 1
Hash Key Len    : 32
Rekey Period    : 300
HB Timeout      : 120
HB Interval     : 1
-----

```

**Related Commands:**

Command	Description
<b>show tunnel-profile</b>	Displays the tunnel profile for a given tunnel profile name.