



Cisco Nexus 1000V InterCloud Commands

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
	clear intercloud tunnel statistics	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.

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.

Related Commands	Command	Description
	Clear intercloud tunnel history	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.
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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
clear intercloud tunnel history	Clears the history of old tunnels.
clear intercloud tunnel statistics [vm name] [tunnel-id] [uuid]	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
	clear module service intercloud module-id statistics	Clears the InterCloud module statistics for a given module ID.
	clear module service intercloud module-id vm	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
	clear module service intercloud module-id vm	Clears the InterCloud module for a given module ID for a VM.
	clear module service intercloud all	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
clear module service intercloud all	Clears all the InterCloud modules.
clear module service intercloud module-id statistics	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.

info	Displays the informational event.
error	Displays the error event.
trace	Displays the debug/ trace event.
terminal	(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_cguinto_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
show system internal event-log all	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.

info	Displays the informational event.
error	Displays the error event.
trace	Displays the debug/ trace event.
terminal	(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
event-log redundancy-mgr	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
	show intercloud redundancy configuration	Displays the HA configuration and status of the local system and remote peers on the InterCloud Switch and Extender.
	show intercloud redundancy statistics heartbeat	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
	show intercloud redundancy configuration	Displays the HA configuration and status of the local system and remote peers on the InterCloud Switch and Extender.
	show intercloud redundancy statistics heartbeat	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.

all	Sets up logging level for all components.
clp	Sets up logging level for the Cloud Logging Platform.
cncl	Sets up logging level for the Cloud Node Communication Library.
cncm	Sets up logging level for the Cloud Node Communication Library.
driver	Sets up logging level for Cisco secure tunnel driver.
hamgr	Sets up logging level for HA Manager.
intfmggr	Sets up logging level for Interface manager.
stm	Sets up logging level for secure tunnel module.
subagent	Sets up logging level for Cloud secure wrapper agent.
emerg	Sets up the logging level to Emergency: system in unusable condition.
alert	Sets up the logging level Alert: action needed immediately condition.
crit	Sets up the logging level to Critical condition.
err	Sets up the logging level to Error.
warn	Sets up the logging level to Warning.
notice	Sets up the logging level to Notice: normal, but significant.
inform	Sets up the logging level to Information.
debug	Sets up the logging level to Debug.
disable	Sets up the logging level to Diasable logging.
vmname	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
	nsc-pa status	Verify the registration status of the Cisco Nexus 1000V InterCloud VSM.

