



Setting Up Remote Management

This chapter describes how to set up remote management in your startup configuration for use in recovering an unreachable Cisco Nexus Cloud Services Platform and includes the following sections:

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- [Additional References, page 2-3](#)
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Information About Remote Management

You can add remote management to your redundant Cisco Nexus Cloud Services Platform startup configuration so that if one of the pair becomes unreachable, the other can automatically attempt to recover it.

If redundant Cisco Nexus Cloud Services Platforms cannot communicate with each other over the management and control interfaces, they can both become active simultaneously. This process is known as a split-brain conflict. A Cisco Nexus Cloud Services Platform cannot be rebooted from its peer switch using high availability.

If one Cisco Nexus Cloud Services Platform becomes unreachable, its peer becomes active if it is the standby. If you have configured remote management, the new active Cisco Nexus Cloud Services Platform can attempt to power cycle its unreachable peer switch through the mgmt0 port of its Cisco Integrated Management Controller (CIMC) interface if CIMC is reachable on the peer. The active Cisco Nexus Cloud Services Platform starts the reboot code immediately when the standby is lost. The standby Cisco Nexus Cloud Services Platform waits 60 seconds before starting the reboot code.

For more information about losing communication between redundant Cisco Nexus Cloud Services Platforms, see the *Cisco Nexus 1000V High Availability and Redundancy Configuration Guide, Release 4.2(1)SV2(2.1)*.

For more information about CIMC, see the Cisco Integrated Management Controller section.

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Configuring Remote Management

You can set up remote management in the startup configuration to recover an unreachable Cisco Nexus Cloud Services Platform peer switch through the mgmt0 port of its CIMC software.

BEFORE YOU BEGIN

Before beginning this procedure, you must know or do the following:

- You previously configured the Cisco Integrated Management Controller (CIMC) when installing the Cisco Nexus Cloud Services Platform. For more information, see the *Cisco Nexus Cloud Services Platform Hardware Installation Guide*.
- Have the following information for the Cisco Nexus Cloud Services Platform:
 - CIMC management port IP address
 - CIMC administrator login and password
- This procedure has steps for setting up remote management for both the primary and secondary Cisco Nexus Cloud Services Platform.
- Log in to the active Cisco Nexus Cloud Services Platform in EXEC mode.

SUMMARY STEPS

1. **configure terminal**
2. **nexus1010-system remote-mgmt primary ip *ipaddr* username *username* password *password***
3. **nexus1010-system remote-mgmt secondary ip *ipaddr* username *username* password *password***
4. (Optional) **show running-config**
5. **copy running-config startup-config**

DETAILED STEPS

	Command	Purpose
Step 1	configure terminal Example: switch# config terminal switch(config)#	Enters global configuration mode.
Step 2	nexus1010-system remote-mgmt primary ip <i>ipaddr</i> username <i>username</i> password <i>password</i> Example: switch(config)# nexus1010-system remote-mgmt primary ip 172.23.231.51 username admin password ***** switch(config)#	Sets up remote management in the running configuration of the primary Cisco Nexus Cloud Services Platform. The arguments are as follows: <ul style="list-style-type: none"> • <i>ipaddress</i> — the IP address of the CIMC management port • <i>username</i> — the admin username for the CIMC management software • <i>password</i> — the admin password for the CIMC management software

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	Command	Purpose
Step 3	<p>nexus1010-system remote-mgmt secondary ip <i>ipaddr</i> username <i>username</i> password <i>password</i></p> <p>Example: <pre>switch(config)# nexus1010-system remote-mgmt secondary ip 172.23.231.52 username admin password ***** switch(config)#</pre></p>	<p>Sets up remote management in the running configuration of the secondary Cisco Nexus Cloud Services Platform.</p> <p><i>ipaddress</i>: the IP address of the CIMC management port</p> <p><i>username</i>: the admin username for the CIMC management software</p> <p><i>password</i>: the admin password for the CIMC management software</p>
Step 4	<p>show running-config</p> <p>Example: <pre>switch(config)# show running-config !Command: show running-config !Time: Sat Jun 25 03:01:55 2011 version 4.2(1)SP1(2) no feature telnet username adminbackup password 5 \$1\$Oip/C5Ci\$oOdx7oJSlBCFpNRmQK4na. role network -operator network-uplink type 1 nexus1010-system remote-mgmt primary ip 172.23.231.51 username admin password ** ***** nexus1010-system remote-mgmt secondary ip 172.23.231.52 username admin password ***** interface mgmt0 ... switch(config)#</pre></p>	<p>Displays the running configuration including the remote management configuration for verification.</p>
Step 5	<p>copy running-config startup-config</p> <p>Example: <pre>switch(config)# copy running-config startup-config</pre></p>	<p>Saves the running configuration persistently through reboots and restarts by copying it to the startup configuration.</p>

Additional References

For additional information related to implementing system-level HA features, see the following topics:

- [Related Documents, page 2-4](#)
- [Feature History for Remote Management, page 2-4](#)

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Related Documents

Related Topic	Document Title
CIMC	Cisco Integrated Management Controller section in Chapter 1.
CIMC configuration	<i>Cisco Nexus Cloud Services Platform Hardware Installation Guide</i>
Virtual service blade configuration	Chapter 4, Configuring Virtual Service Blades
Uplink configuration	Chapter 3, Configuring the Network Uplinks
Hardware installation and uplink connection	<i>Cisco Nexus Cloud Services Platform Hardware Installation Guide</i>
Software installation and upgrade	<i>Cisco Nexus Cloud Services Platform Software Installation and Upgrade Guide, Release 4.2(1)SP1(6.1)</i>
Split-brain and loss of communication	<i>Cisco Nexus 1000V High Availability and Redundancy Configuration Guide, Release 4.2(1)SV2(2.1)</i>
Complete command syntax, command modes, command history, defaults, usage guidelines, and examples for all Cisco Nexus Cloud Services Platform commands.	<i>Cisco Nexus Cloud Services Platform Command Reference, Release 4.2(1)SP1(6.1)</i>

Feature History for Remote Management

This section provides the remote management release history.

Feature Name	Releases	Feature Information
Remote management	4.0(4)SP1(1)	This feature was introduced.