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CHAPTER 3

Using the CMP

This chapter explains how to use the Connectivity Management Processor (CMP) to monitor the supervisor module control processor (CP) on the active supervisor module and to reboot the CP or Cisco NX-OS device. It also explains how you can reboot the CMP from the CP or the CMP.

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Monitoring the CP

You can monitor the CP from the CMP.

To monitor the supervisor module CP, use the following optional commands:

Command	Purpose
monitor cp Example: <pre>switch-cmp# monitor cp This command will disconnect the front-panel console on this supervisor module - proceed(y/n)? y Connected Escape character is '~,' switch#</pre>	Monitors all output on the local supervisor module CP console port.
attach cp Example: <pre>switch-cmp# attach cp This command will disconnect the front-panel console on this supervisor module - proceed(y/n)? y Connected Escape character is '~,' switch#</pre>	Takes control of the local supervisor module CP console port.
~, Example: <pre>switch# ~, switch-cmp#</pre>	Exits from the CP console and returns to CMP.
ping ip-address Example: <pre>switch-cmp# ping 192.0.2.15</pre>	Pings a remote IP address and displays the results.
show cp state Example: <pre>switch-cmp# show cp state</pre>	Displays status information about the supervisor module CP.
show version Example: <pre>switch-cmp# show version</pre>	Displays the BIOS and software image versions of the CMP.
traceroute ip-address Example: <pre>switch-cmp# traceroute 192.0.2.15</pre>	Tests the connection to a remote IP address and displays the results of each hop along the route.

Rebooting the CP

You can reboot the CP from the CMP.

To reboot the supervisor module CP from the CMP, use the following command:

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Command	Purpose
<code>reload cp</code>	Reboots the supervisor module.
Example: <code>switch-cmp# reload cp</code>	

**Note**

If you reboot a supervisor module from the Cisco NX-OS command-line interface (CLI) on the CP, the CMP also reboots. Use the **reload soft** command to reboot only the supervisor module CP and not the CMP.

Rebooting the Entire Cisco NX-OS Device from the CMP

To reboot the entire Cisco NX-OS device from the CMP, use the following command:

Command	Purpose
<code>reload system</code>	Reboots the Cisco NX-OS device.
Example: <code>switch-cmp# reload system</code>	

Rebooting the CMP from the CP

You can reboot the CMP from the CP.

To reboot the CMP from Cisco NX-OS on the supervisor module CP, use the following command:

Command	Purpose
<code>reload cmp module slot</code>	Reboots the CMP.
Example: <code>switch# reload cmp module 5</code>	

Rebooting the CMP from the CMP

You can reboot the CMP from the CP.

To reboot the CMP from the CMP, use the following command:

Command	Purpose
<code>reload cmp</code>	Reloads the CMP.
Example: <code>switch-cmp# reload cmp</code>	

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Rebooting the System

You can reboot the system from the CMP on the active supervisor module while keeping the CMP session active by using the **reload soft** command. This includes resetting the active CP, power cycling the standby CP, and power cycling the linecards.



Note

To reload the complete system, including the CMPs, use the **reload system** command from the CMP.

To reboot the system, use the following command:

Command	Purpose
reload soft Example: switch-cmp# reload soft	Reloads the operating system for the system hardware on the CPs and standby CMP. .