



Cisco APIC Troubleshooting Operations

This chapter explains how to perform the basic troubleshooting operations and contains the following sections:

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Shutting Down the APIC System

This procedure explains how to shut down the APIC system.



Note After you shut down the system, you will move it (re-locate the entire fabric) then power it up, then update the time zone and/or NTP servers accordingly.

1. Shut down one Cisco APIC at a time by right-clicking on a controller then choosing **Shutdown** from the pull-down menu.
2. Start up the APIC at the new location.
3. Check that the cluster has fully converged.
4. Proceed with the next APIC.

Before you begin

Ensure cluster health is fully fit.

Shutting Down the APIC Controller Using the GUI

This document describes how to shut down the APIC controller.



Note This procedure instructs on how to shut down the APIC controller only (not the entire APIC system itself). Following this procedure causes the controller to shut down immediately. Use caution in performing a shutdown because the only way to bring the controller back up is to do so from the actual machine. If you need to access the machine, refer to the "Turning on the Locator LED Using the GUI" section in this chapter.

Shut down a single APIC controller as follows:



Note If possible, move APICs one at a time. As long as there are at least two APICs in the cluster online, there is read/write access. If you need to relocate more than one APIC at a time, this results in one or no remaining controllers online, and the fabric will go into a read-only mode when they are shutdown. During this time there can be no policy changes including Endpoint moves (including Virtual Machine movement). Once the APICs are shut down using the following procedure, relocate the controller, and power it back up under the new rack. Then, confirm that the cluster health returns to fully fit status.

1. In the menu bar, click **System**.
2. In the submenu bar, click **Controllers**.
3. Under **Controllers**, click the APIC node that you would like to reload, for example, **apic1 (Node-1)**.
4. In the right window pane, at the top of the screen, click the **General** tab.
5. In the right window pane, at the top of the screen and under the tabs, click the **ACTIONS** pull-down menu.
6. Select **Shutdown** from the pull-down menu to immediately reload the APIC controller.



Note Another way to use this Shutdown option is to right-click on the APIC node (such as **apic1 (Node-1)**), and select **Shutdown** from the pull-down list.

7. Relocate the controller, then power it up.
8. Confirm cluster health returns to fully fit status.

Using the APIC Reload Option Using the GUI

This document describes how to reload the APIC controller (not the entire APIC system) using the GUI.

Reload the APIC controller as follows:

1. In the menu bar, click **System**.
2. In the submenu bar, click **Controllers**.
3. Under **Controllers**, click the APIC node that you would like to reload, for example, **apic1 (Node-1)**.

4. In the right window pane, at the top of the screen, click the **General** tab.
5. In the right window pane, at the top of the screen and under the tabs, click the **ACTIONS** pull-down menu.
6. Select **Reload** from the pull-down menu to immediately reload the APIC controller.



Note Another way to use this Reload option is to right-click on the APIC node (such as **apic1 (Node-1)**), and select **Reload** from the pull-down list.

Controlling the LED Locator Using the GUI

This document describes how to turn on the LED locator for the APIC controller using the GUI.

Turn on (or turn off) the LED locator of the APIC controller using the GUI as follows:

1. In the menu bar, click **System**.
2. In the submenu bar, click **Controllers**.
3. Under Controllers, click the APIC node that you would like to reload, for example, **apic1 (Node-1)**.
4. In the right window pane, at the top of the screen, click the **General** tab.
5. In the right window pane, at the top of the screen and under the tabs, click the **ACTIONS** pull-down menu.
6. Select **Turn On LED Locator** (or **Turn Off LED Locator**) from the pull-down menu.



Note Another way to use this option is to right-click on the APIC node (such as **apic1 (Node-1)**), and select **Turn On LED Locator** (or **Turn Off LED Locator**) from the pull-down list.
