



# Configuring Platform Event Filters

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## Platform Event Filters

A platform event filter (PEF) can trigger an action and generate an alert when a critical hardware-related event occurs. For each PEF, you can choose the action to be taken (or take no action) when a platform event occurs. You can also choose to generate and send an alert when a platform event occurs. Alerts are sent as an SNMP trap, so you must configure an SNMP trap destination before the alerts can be sent.

You can globally enable or disable the generation of platform event alerts. When disabled, alerts are not sent even if PEFs are configured to send them.

## Enabling Platform Event Alerts

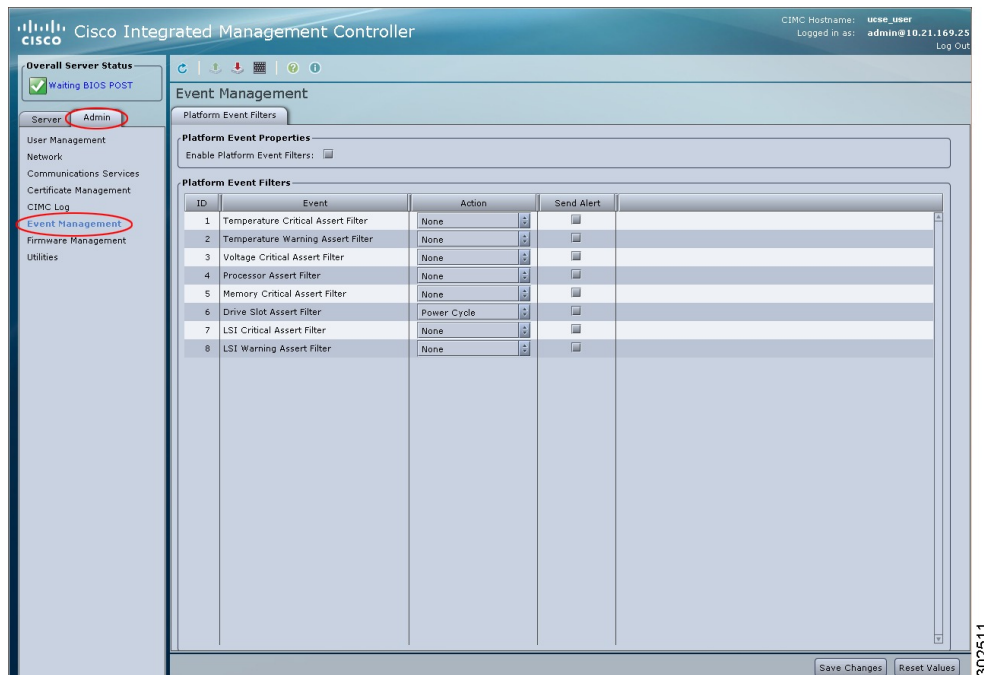
### Before You Begin

You must log in as a user with admin privileges to enable platform event alerts.

## Procedure

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, click **Event Management**.

**Figure 1: Event Management**



- Step 3** In the **Event Management** pane, click the **Platform Event Filters** tab.
- Step 4** In the **Platform Event Alerts** area, check the **Enable Platform Event Alerts** check box.
- Step 5** Click **Save Changes**.

## Disabling Platform Event Alerts

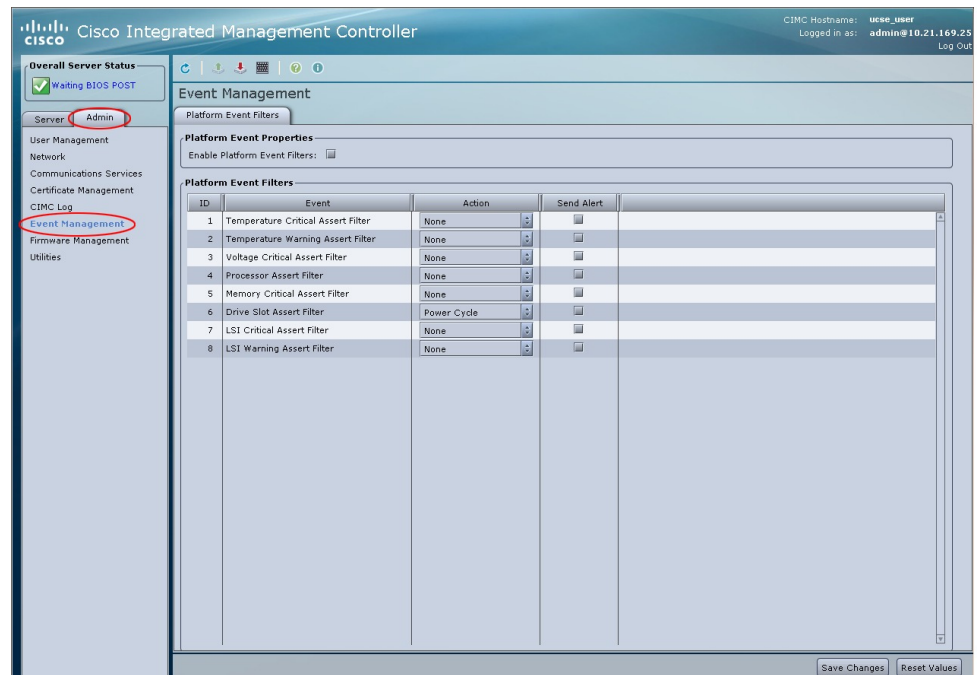
### Before You Begin

You must log in as a user with admin privileges to disable platform event alerts.

## Procedure

- Step 1** In the Navigation pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, click **Event Management**.

**Figure 2: Event Management**



- Step 3** In the **Event Management** pane, click the **Platform Event Filters** tab.
- Step 4** In the **Platform Event Alerts** area, uncheck the **Enable Platform Event Alerts** check box.
- Step 5** Click **Save Changes**.

# Configuring Platform Event Filters

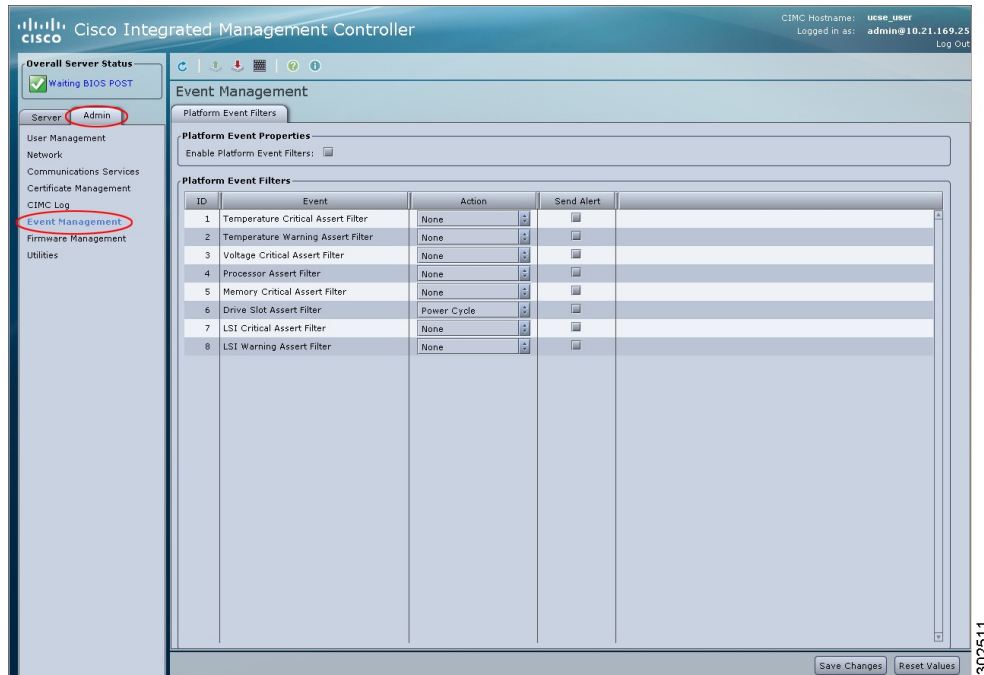
## Before You Begin

You must log in as a user with admin privileges to configure platform event filters.

## Procedure

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, click **Event Management**.

**Figure 3: Event Management**



- Step 3** In the **Event Management** pane, click the **Platform Event Filters** tab.
- Step 4** In the **Platform Event Filters** area, complete the following fields for each event:

Name	Description
<b>ID</b> column	The unique filter ID.
<b>Event</b> column	The name of the event filter.
<b>Action</b> column	For each filter, select the desired action from the scrolling list box. This can be one of the following: <ul style="list-style-type: none"> <li>• <b>None</b>—No action is taken.</li> <li>• <b>Reboot</b>—The server is rebooted.</li> <li>• <b>Power Cycle</b>—The server is power cycled.</li> <li>• <b>Power Off</b>—The server is powered off.</li> </ul>

Name	Description
Send Alert column	<p>For each filter that you want to send an alert, check the associated check box in this column.</p> <p><b>Note</b> In order to send an alert, the filter trap settings must be configured properly and the <b>Enable Platform Event Filters</b> check box must also be checked.</p>

### Step 5 Click Save Changes.

#### What to Do Next

If you configure any PEFs to send an alert, complete the following tasks:

- [Enabling Platform Event Alerts, on page 1](#)
- [Configuring SNMP Trap Settings](#)

## Interpreting Platform Event Traps

A CIMC platform event alert sent as an SNMP trap contains an enterprise object identifier (OID) in the form `1.3.6.1.4.1.3183.1.1.0.event`. The first ten fields of the OID represent the following information: `iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).wired_for_management(3183).PET(1).version(1).version(0)`, indicating an IPMI platform event trap (PET) version 1.0 message. The last field is an event number, indicating the specific condition or alert being notified.

#### Platform Event Trap Descriptions

The following table provides a description of the event being notified in a platform event trap message, based on the event number in the trap OID.

Event Number	Platform Event Description
0	Test Trap
131330	Under Voltage
131337	Voltage Critical
196871	Current Warning
262402	Fan Critical
459776	Processor related (IOH-Thermalert/Caterr sensor) predictive failure deasserted
459777	Processor related (IOH-Thermalert/Caterr sensor) predictive failure asserted
460032	Power Warning
460033	Power Warning
524533	Power Supply Critical

Event Number	Platform Event Description
524551	Power Supply Warning
525313	Discrete Power Supply Warning
527105	Power Supply Redundancy Lost
527106	Power Supply Redundancy Lost
552704	Power Supply Inserted
552705	PSU Failure
552707	Power Supply AC Lost
65799	Temperature Warning
65801	Temperature Critical
786433	Memory Warning
786439	DDR3_INFO sensor LED - RED bit asserted (Probable ECC error on a DIMM)
818945	Memory Warning
818951	DDR3_INFO sensor LED - RED bit asserted (Probable ECC error on a DIMM)
851968	Related to HDD sensor
851972	Related to HDD sensor
854016	HDD Absent
854017	HDD Present
880384	HDD Present, no fault indicated
880385	HDD Fault
880512	HDD Not Present
880513	HDD is deasserted but not in a fault state
884480	Drive Present
884481	Drive Slot Warning
884485	Drive in Critical Array
884488	Drive Rebuild/Remap Aborted
884489	Drive Slot Warning