Configuring Platform Event Filters

This chapter includes the following sections:

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

Procedure

	Command or Action	Purpose
Step 1	Server# **scope fault**	Enters the fault command mode.
Step 2	Server /fault # **set platform-event-enabled yes**	Enables platform event alerts.
Step 3	Server /fault # **commit**	Commits the transaction to the system configuration.

	Command or Action	Purpose
Step 4	Server /fault # **show** [**detail**]	(Optional) Displays the platform event alert configuration.

This example enables platform event alerts:

```
Server# scope fault
Server /fault # set platform-event-enabled yes
Server /fault *# commit
Server /fault # show
Platform Event Enabled
----------------------
yes

Server /fault #
```

Disabling Platform Event Alerts

Procedure

	Command or Action	Purpose
Step 1	Server# **scope fault**	Enters the fault command mode.
Step 2	Server /fault # **set platform-event-enabled no**	Disables platform event alerts.
Step 3	Server /fault # **commit**	Commits the transaction to the system configuration.
Step 4	Server /fault # **show** [**detail**]	(Optional) Displays the platform event alert configuration.

This example disables platform event alerts:

```
Server# scope fault
Server /fault # set platform-event-enabled no
Server /fault *# commit
Server /fault # show
Platform Event Enabled
----------------------
no

Server /fault #
```

Configuring Platform Event Filters

You can configure actions and alerts for the following platform event filters:

ID	Platform Event Filter
1	Temperature Critical Assert Filter
2	Temperature Warning Assert Filter
3	Voltage Critical Assert Filter
4	Processor Assert Filter
5	Memory Critical Assert Filter
6	Drive Slot Assert Filter
7	LSI Critical Assert Filter
8	LSI Warning Assert Filter

Procedure

	Command or Action	Purpose
Step 1	Server# **scope fault**	Enters the fault command mode.
Step 2	Server /fault # **scope pef** *id*	Enters the platform event filter command mode for the specified event. See the Platform Event Filter table for event ID numbers.
Step 3	Server /fault/pef # **set action** {**none**	**reboot**	**power-cycle**	**power-off**}	Selects the desired system action when this event occurs. The action can be one of the following: • **none** —No system action is taken. • **reboot** —The server is rebooted. • **power-cycle** —The server is power cycled. • **power-off** —The server is powered off.
Step 4	Server /fault/pef # **set send-alert** {**yes**	**no**}	Enables or disables the sending of a platform event alert for this event. **Note** For an alert to be sent, the filter trap settings must be configured properly and platform event alerts must be enabled.
Step 5	Server /fault/pef # **commit**	Commits the transaction to the system configuration.

This example configures the platform event alert for an event:

```
Server# scope fault
Server /fault # scope pef 1
Server /fault/pef # set action reboot
Server /fault/pef # set send-alert yes
Server /fault/pef *# commit
Server /fault/pef # show
Platform Event Filter Event                                     Action       Send Alert
--------------------- ------------------------------------- ----------- -----------
1                     Temperature Critical Assert Filter    reboot       yes

Server /fault/pef #
```

What to Do Next

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

- Enable platform event alerts
- Configure SNMP trap settings