



CHAPTER 24

Managing Traps and Alarms in Network Manager

- [Sending Traps to Network Manager, page 24-1](#)
- [Creating or Modifying a Trap Forwarding Rule, page 24-2](#)
- [Disabling a Trap Forwarding Rule, page 24-2](#)
- [Removing a Trap Forwarding Rule, page 24-3](#)
- [Creating or Modifying an Alert Recipient Profile, page 24-3](#)
- [Removing an Alert Recipient Profile, page 24-4](#)
- [Viewing Generated Events, page 24-4](#)
- [Filtering Generated Events, page 24-5](#)
- [Viewing Events per Network Item, page 24-5](#)
- [Viewing and Sorting Supported Alarms, page 24-6](#)
- [Modifying Alarms, page 24-6](#)
- [Viewing and Sorting Generated Alarms, page 24-6](#)
- [Viewing Generated Alarms per Network Item, page 24-7](#)

Sending Traps to Network Manager

You can configure the managed elements in the network to send SNMP traps to the Network Manager.

Procedure

- Step 1** Click **Settings** in the sidebar menu.
 - Step 2** Click **Traps**.
 - Step 3** Select **Receive traps from elements**.
 - Step 4** Click **Upload** to save your changes.
-

Creating or Modifying a Trap Forwarding Rule

You can instruct Network Manager to forward traps received from managed elements to an address specified by a trap forwarding rule.

Procedure

- Step 1** Click **Settings** in the sidebar menu.
 - Step 2** Click **Traps**.
 - Step 3** Do one of the following to modify an existing trap forwarding rule:
 - Double-click the trap rule you require.
 - Select the trap rule you require and click **Edit**.
 - Right-click the trap rule you require and select **Edit**.
 - Step 4** Do one of the following to create a new trap forwarding rule:
 - Click **Add**.
 - Right-click any trap rule and select **Add**.
 - Step 5** Enter a description in the Description field.
 - Step 6** Specify the IP address and port number for Network Manager to forward traps received from managed elements.
 - Step 7** Select **Enable trap forwarding**.
 - Step 8** Click **OK** to save your changes.
-

Disabling a Trap Forwarding Rule

Procedure

- Step 1** Click **Settings** in the sidebar menu.
 - Step 2** Click **Traps**.
 - Step 3** Do one of the following to modify an existing trap forwarding rule:
 - Double-click the trap rule you require.
 - Select the trap rule you require and click **Edit**.
 - Right-click the trap rule you require and select **Edit**.
 - Step 4** Deselect **Enable trap forwarding**.
 - Step 5** Click **OK** to save your changes.
- The trap forwarding rule is disabled but remains in the database.
-

Removing a Trap Forwarding Rule

Procedure

- Step 1** Click **Settings** in the sidebar menu.
- Step 2** Click **Traps**.
- Step 3** Do one of the following:
- Select the trap rule you require and click **Delete**.
 - Right-click the trap rule you require and select **Delete**.
- Step 4** Click **OK** to save your changes.
- The trap forwarding rule is removed from the database.
-

Creating or Modifying an Alert Recipient Profile

Procedure

- Step 1** Click **Settings** in the sidebar menu.
- Step 2** Click **Alert Recipients**.
- Step 3** Do one of the following to modify an existing alert recipient profile:
- Double-click the alert recipient you require in the Recipient Name column.
 - Select the alert recipient you require and click **Edit**.
 - Right-click the alert recipient you require in the Recipient Name column and select **Edit**.
- Step 4** Do one of the following to create a new alert recipient profile:
- Click **Add**.
 - Right-click any link in the Recipient Name column and select **Add**.
- Step 5** Enter the name and e-mail of the alert recipient in the relevant fields.
- Step 6** Select a user profile.
- The options in the Select user profile field reflect the user details defined at Settings > Users.
- If you select a user profile with Local user access level, the alert recipient receives notifications only for alarms that belong to elements that are part of the network subset defined for the user at Settings > Users.
- If you select a user profile with Administrator or Read only access level, the alert recipient receives notification of all alarms.
- Step 7** Select the minimum severity level of the alerts to be sent to the alert recipient.
- The severity level of alerts is defined by the profile selected in the Select user profile field.
- Step 8** (Optional) Select **Notify on alarms clearing** to enable the alarm recipient to receive an error report via e-mail when the alarms have been cleared.
- Step 9** (Optional) Select **Use custom subject line** to include a custom subject line in the e-mail and enter a string for the custom subject line.

- Step 10** (Optional) Select **Include element info** to include details of the elements reported in the alerts in the custom subject line.
- Step 11** Select **Enable alert** to activate the recipient.
- Step 12** Click **OK** to save your changes.
-

Removing an Alert Recipient Profile

Procedure

- Step 1** Click **Settings** in the sidebar menu.
- Step 2** Click **Alert Recipients**.
- Step 3** Do one of the following:
- Select the alert recipient you require and click **Delete**.
 - Right-click the alert recipient you require in the Recipient Name column and select **Delete**.
- Step 4** Click **OK** to save your changes.
- The alert recipient profile is removed from the database.
-

Viewing Generated Events

The Events tab enables you to sort the events reported by the system according to event severity, event time, event message and element.

Procedure

- Step 1** Click **Alarms** in the sidebar menu.
- Step 2** Click **Events**.
- The Events tab displays the following information:
- Event severity level (Minor, Cleared, Intermediate, Warning, Minor, Major, Critical).
 - Date and time of the event.
 - Text message describing the event.
- Step 3** Click the column headings in the alarms table to sort the information displayed.
- Step 4** Double-click any element in the table to display the relevant element manager for that element.
-

Filtering Generated Events

Procedure

- Step 1** Click **Alarms** in the sidebar menu.
- Step 2** Click **Events**.
- Step 3** Do one of the following:
- Select **View > Filter events**.
 - Click the **Current filter** link above the table.
- Step 4** Define the time period and minimum severity levels of the events to display.
- Step 5** Enter filter criteria and click **OK**.
- The events that correspond to your selection are displayed in the table.
-

Viewing Events per Network Item

You can view a table of the events that have occurred in the system related to a specific item in your network.

- Step 1** Click **Network Tree** in the sidebar menu.
- Step 2** Click **Network** or a relevant custom view.
- For information on creating customized views, see the [“Creating a Custom Network Tree View” section on page 17-2](#).
- Step 3** Select the network item you require.
- Step 4** Click **Events**.
- The Events tab includes the event severity level, the date and time of the event and the event message.
- Step 5** (Optional) Double-click the link in the Element column to display the element manager for that element.
- Step 6** (Optional) Do one of the following to filter the events displayed by date and severity level:
- Select **View > Filter events**.
 - Click the **Current filter** link above the table.
-

Viewing and Sorting Supported Alarms

Procedure

- Step 1** Click **Settings** in the sidebar menu.
 - Step 2** Click **Alarms**.
 - Step 3** Click the **Alarm** heading in the alarms table to view alarms generated by the managed elements in the network in alphabetical order.
 - Step 4** Click the **Severity** heading in the alarms table to sort the alarms by increasing or decreasing order of severity.
-

Modifying Alarms

Procedure

- Step 1** Click **Settings** in the sidebar menu.
 - Step 2** Click **Alarms**.
 - Step 3** Do one of the following to modify an alarm generated by the managed elements in the network:
 - Double-click the alarm you require.
 - Select the alarm you require and click **Edit**.
 - Right-click the alarm you require and select **Edit**.
 - Step 4** Modify the severity level, and enable or disable the alarm in the relevant fields.
 - Step 5** Select **Create event for this alarm** to instruct Network Manager to create a report at Alarms > Events every time this alarm occurs.
 - Step 6** Use the **Apply to all users** option to indicate whether the alarm properties apply only to the current user or to all users.
 - Step 7** Click **OK** to save your changes.
-




Viewing and Sorting Generated Alarms

The Alarms tab enables you to view and sort the alarms generated by the elements in the network according to alarm status, alarm message, date and time or element.

Procedure

- Step 1** Click **Alarms** in the sidebar menu.
- Step 2** Click **Alarms**.

The Alarms tab includes the severity of each alarm, the time the event occurred and the alarm message that is related to the selected element. Alarm severity levels include the following:

-  Major/Minor/Critical
-  Information
-  Warning

Step 3 Double-click any element in the table to display the relevant element manager for that element.

Viewing Generated Alarms per Network Item

You can view a table of all current alarms related to a specific item in your network. Alarms can be viewed per element, network zone or the entire network in one view.

Procedure

Step 1 Click **Network Tree** in the sidebar menu.




Step 2 Click **Network** or a relevant custom view.

For information on creating customized views, see the [“Creating a Custom Network Tree View” section on page 17-2](#).

Step 3 Select the network item you require.

Step 4 Click **Alarms**.

The Alarms tab includes the severity of each alarm, the time the event occurred and the alarm message that is related to the selected element. Alarm severity levels include the following:

-  Major/Minor/Critical
 -  Information
 -  Warning
-

