



## Viewing Inventory Data and Faults

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This chapter contains the following topics:

- [Viewing Rack Mount Server Details, page 1](#)
- [Viewing Fault Details for a Rack Mount Server, page 3](#)
- [Summary Reports for a Rack Group, page 4](#)
- [Adding Email Alert Rules for Server Faults, page 4](#)

## Viewing Rack Mount Server Details

Perform this procedure when you want to view the details of a rack mount server such as the memory, CPUs, PSUs used in the server and so on.



### Note

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You can also perform this procedure by clicking **Rack Groups** in the left pane.

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### Before You Begin

The server is already added as a Rack Account under a Rack Group.

### Procedure

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- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, expand **Rack Groups** and select the rack group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Double-click the sever from the list to view the details or click the sever from the list and click the down arrow on the far right and choose **View Details**.
- Note** You cannot see the down arrow on the far right till you select a server from the list.
- The following details are available for a rackmount server:

Tab	Description
<b>Summary</b>	An overview of the rack account.
<b>CPUs</b>	The details of the CPU used in the server.
<b>Memory</b>	The details of the memory used in the server.
<b>PSUs</b>	The details of the power supply unit used in the server.
<b>PCI Adapters</b>	The details of the PCI adapters used in the server.
<b>VIC Adapters</b>	<p>The details of the VIC adapters used in the server.</p> <p>Select any of the VIC Adapters listed and click <b>View Details</b> to view information such as <b>External Ethernet Interfaces</b>, <b>VM FEXs</b> and so on.</p>
<b>Network Adapters</b>	<p>The details of the network adapters used in the server.</p> <p>Select any of the Network Adapters listed and click <b>View Details</b> to view information on <b>External Ethernet Interfaces</b>.</p>
<b>Storage Adapters</b>	<p>The details of the storage adapters used in the server.</p> <p>Select any of the Storage Adapters listed and click <b>View Details</b> to view information such as <b>Controller Info</b>, <b>Physical Drives</b> and so on.</p>
<b>FlexFlash Adapters</b>	<p>The details of the FlexFlash adapters used in the server.</p> <p>Select any of the FlexFlash Adapters listed and click <b>View Details</b> to view information such as <b>Controller Info</b>, <b>Physical Drives</b> and so on. If you are upgrading Cisco IMC Supervisor from a previous version, you must run the inventory by going to <b>Systems &gt; Physical Accounts &gt; Rack Accounts &gt; Inventory</b> or wait for the periodic inventory to run for the FlexFlash details to appear in the report.</p>
<b>Communication</b>	The information on the protocol such as HTTP, HTTPS, SSH, IPMI Over LAN, NTP, and SNMP.
<b>Remote Presence</b>	The details of vKVM, Serial Over LAN, and vMedia.
<b>Faults</b>	The details of the faults logged in the server.
<b>Users</b>	The details of users.
<b>Cisco IMC Log</b>	The details of the Cisco IMC logs for the server.
<b>System Event Log</b>	the details of the server logs.
<b>TPM</b>	Information on the TPM inventory.

Tab	Description
<b>BIOS</b>	Details about the BIOS settings and Boot Order for the server. Select the server and click on <b>View BIOS Settings</b> , <b>View Boot Settings</b> , or <b>View Boot Order</b> .
<b>Fault History</b>	Historical information on the faults that occurred on the server.
<b>Tech Support</b>	Details about the tech-support log files such as the file name, destination type, status of the upload and so on are displayed in the <b>Tech Support</b> table. An option to export the tech-support log files to a remote server or on the Cisco IMC Supervisor appliance, in a local directory is available. For more information about exporting, see <a href="#">Exporting Technical Support Data to a Remote Server</a> .
<b>Associated Hardware Profiles</b>	Details of policies that are associated to a hardware profile.

**Step 5** Click the **Back** button on the far right to return to the previous window.

## Viewing Fault Details for a Rack Mount Server

Perform this procedure when you want to view the fault details of a rack mount server such as the reason for the issue and the recommended steps to resolve the issue.

### Before You Begin

The server is already added as a Rack Account under a Rack Group.

### Procedure

**Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.

**Step 2** In the left pane, select **Rack Groups**.

**Step 3** In the right pane, select the **Faults** tab.

**Step 4** Double-click the sever from the list to view the details or click the sever from the list and click the down arrow on the far right and choose **View Details**.

**Note** You cannot see the down arrow on the far right till you select the server from the list.

The following details are available for a rack mount server:

Tab	Description
Explanation	Brief reason for the issue.
Recommendation	Steps to resolve the issue.

**Step 5** Click **Close** in the **Fault Details** window to go to the previous window.

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## Summary Reports for a Rack Group

The Inventory and Fault Status for Rack Groups page is divided vertically into two sections. Left pane contains the list of the Rack Groups. When the Rack Groups heading is selected in the left pane including Default Group, a Summary report is available in the right pane which displays the following reports:

- **Faults**—represents the overall fault count for selected rack groups. The fault counts are categorized based on their severity such as Critical, Major, Warnings, Minor, and Info.
- **Server Health**—represents the overall health status of the server. The overall server health status can be in any of the states such as Good, Memory Test In Progress, Moderate Fault, and Severe Fault.



**Note** The Moderate Fault and Severe Fault correlates to faults with severity as Major and Critical respectively. However, note that the sever health status will be determined based on the status reported by CIMC and this may not always have a direct mapping to the fault severities stated above. Other factors such as the fault type and associated components influence the overall server health status.

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- **Firmware Versions**—represents the overall server count of the firmware versions that are managed for the selected rack groups.
- **Server Models**—represents the overall server count of the models that are managed for the selected rack groups.
- **Power State**—represents the overall server count of the power state which is managed for the selected rack groups. The power states can either be On or Off.
- **Server Connection Status**—represents the overall server count of the connection status of servers for the selected rack groups. The connection status can either be Success or Failed.

## Adding Email Alert Rules for Server Faults

You can create one or more email rules. For each rule, an email alert will be sent when faults that match the conditions specified are discovered periodically. Perform the following procedure to receive email alerts for such faults.

## Procedure

**Step 1** From the menu bar, choose **Administration > System**.

**Step 2** Click the **Email Alert Rules** tab.

**Step 3** Click **Add**.

**Step 4** In the **Add Email Alert Rule** dialog box, complete the following:

Field	Description
<b>Name</b>	Enter a unique name for the rule.
<b>Alert Scope</b>	Choose <b>System</b> for receiving all system level alerts for new faults discovered on any server. Choose <b>ServerGroup</b> for receiving email alerts for new faults discovered on a server which is part of the specified Rack Group.
<b>Server Groups</b>	<p>If you choose the Alert Level as <b>ServerGroup</b>, this option is displayed.</p> <ol style="list-style-type: none"> <li>1 Click <b>Select</b>.</li> <li>2 Check one or more rack server groups in the <b>Select</b> dialog box and click <b>Select</b>. The selected server group names for which email alerts will be sent are listed next to this field.</li> </ol>
<b>Email Addresses field</b>	The email addresses of the intended recipients of the email alert. You can enter multiple email addresses, separated by a comma.
<b>Severity</b>	<p>Perform the following procedure to select fault severity levels for which email alerts will be sent to the email addresses configured in the <b>Email Addresses</b> field.</p> <ol style="list-style-type: none"> <li>1 Click <b>Select...</b></li> <li>2 Check one or more severity levels from the list and click <b>Select</b>.</li> </ol> <p><b>Note</b> The selected values will be displayed next to the <b>Select...</b> button.</p>
<b>Rule Enabled</b> check box	Check this check box to enable email alerts to the configured email address.

**Note**

- You can modify and delete the email alert rules. The **Edit** and **Delete** options are visible only when you select a rule. Click **Edit** and modify the required fields displayed or click **Delete** and confirm deletion.
  - You can select multiple rules concurrently and click **Delete** to delete them.
  - The number of email alerts sent are based on the number of rules you have created.
  - If you have a system level rule present in 1.0 or 1.0.0.1, when you upgrade to 1.1, you can see that the name of the rule by default is added as **system-default**. You cannot modify the **Alert Level** field for this group, but you can delete this system level rule.
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