



Viewing Inventory Data and Faults

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Viewing Rack-Mount Server Details

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



Note

You can also click **Rack Groups** in the left pane and perform the procedure to view the rack-mount server details.

Before You Begin

Ensure that 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, expand **Rack Groups** and select the rack group that contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Double-click the server in the list to view the details, or click the server in the list and click the down arrow on the far right, then choose **View Details**.

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

The following details are available for a rack-mount server:

Tab	Description
Summary	An overview of the rack account.
CPUs	The details of the CPU used in the server.
Memory	The details of the memory used in the server.
PSUs	The details of the power supply unit used in the server. Note Not applicable for Cisco UCS C3260 dense storage rack server.
PCI Adapters	The details of the PCI adapters used in the server.
VIC Adapters	The details of the VIC adapters used in the server. Select any of the VIC Adapters listed and click View Details to view information such as External Ethernet Interfaces and VM FEXs .
Network Adapters	The details of the network adapters used in the server. Select any of the Network Adapters listed and click View Details to view information on External Ethernet Interfaces .
Storage Adapters	The details of the storage adapters used in the server. Select any of the Storage Adapters listed and click View Details to view information such as Controller Info and Physical Drives .
FlexFlash Adapters	The details of the FlexFlash adapters used in the server. Select any of the FlexFlash Adapters listed and click View Details to view information such as Controller Info and Physical Drives . If you are upgrading Cisco IMC Supervisor from a previous version, you must run the inventory by going to Systems > Physical Accounts > Rack Accounts > Inventory , or wait for the periodic inventory to run, for the FlexFlash details to appear in the report. Note Not applicable for Cisco UCS C3260 dense storage rack server.
Communication	The information on the protocol, such as HTTP, HTTPS, SSH, IPMI Over LAN, NTP, and SNMP.
Remote Presence	The details of vKVM, Serial Over LAN, and vMedia.
Faults	The details of the faults logged in the server.
Users	The details about users. Note Not applicable for Cisco UCS C3260 dense storage rack server.
Cisco IMC Log	The details of the Cisco IMC logs for the server. Note Not applicable for Cisco UCS C3260 dense storage rack server.

Tab	Description
System Event Log	The details of the server logs. Note Not applicable for Cisco UCS C3260 dense storage rack server.
TPM	Information on the TPM inventory.
BIOS	Details about the BIOS settings and Boot Order for the server. Select the server and click on View BIOS Settings , View Boot Settings , or View Boot Order .
Fault History	Historical information on the faults that occurred on the server.
Tech Support	Details about the tech-support log files, such as the file name, destination type, and status of the upload are displayed in the Tech Support table. An option to export the tech-support log files to a remote server or on the local Cisco IMC Supervisor appliance is available. For more information about exporting, see Exporting Technical Support Data to a Remote Server . Note Not applicable for Cisco UCS C3260 dense storage rack server.
Associated Hardware Profiles	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.

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.

- **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.

Note The **Email Alert Rules** table displays details of an alert rule such as the email alert rule name, the alert scope, the servers and server groups you have selected for an alert rule and so on.

Step 3 Click **Add**.

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

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

Field	Description
Severity	<p>Perform the following procedure to select fault severity levels for which email alerts will be sent to the email addresses configured in the Email Addresses field.</p> <ol style="list-style-type: none"> 1 Click Select... 2 Check one or more severity levels from the list and click Select. <p>Note The selected values will be displayed next to the Select... button.</p>
Rule Enabled 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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