



Troubleshooting

This chapter includes the following sections:

- [Replacing a Hardware Component on a Cisco UCS Manager Integrated C-Series Server, on page 1](#)
- [Changing Server Connectivity, on page 2](#)

Replacing a Hardware Component on a Cisco UCS Manager Integrated C-Series Server

After you replace hardware with managed firmware component on a Cisco UCS Manager integrated C-Series server, the server may fail discovery. This could be due to a corrupt firmware on the hardware or incompatibility of the hardware component's firmware. Complete the following steps to ensure server does not fail discovery due to server firmware corruption or incompatibility after hardware replacement:

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- Step 1** Right-click **Server** -> **Server Maintenance** > **Decommission Server** to decommission the server.
- Step 2** Disconnect the cables connecting the VICs to the FI (or FEX, if applicable).
- Step 3** Remove the server from Cisco UCS Manager:
- Choose **Equipment** -> **Decommissioned** .
 - Right-click on the server and click **Remove**.
- Step 4** Reboot the server and perform a **CIMC Reset to Factory Defaults**.
- Step 5** Connect a 1G cable to the MGMT port on the server and configure it for standalone access.
- Step 6** Re-image all the server firmware to match the Cisco UCS Manager firmware bundle CIMC version with the server:
- Download the Host Upgrade Utility (HUU) from Cisco's software download site for the CIMC version that corresponds to the host firmware package applied to this server in the Cisco UCS Manager.
 - Boot the server with the standalone KVM and run the HUU package.
- For information about steps to upgrade the firmware, refer to the [Host Utility Upgrade User Guide](#) that corresponds to the HUU CIMC version that was downloaded in the previous step.
- Step 7** Reboot the server and perform a **CIMC Reset to Factory Defaults**.
- Step 8** Unplug the power cables for 30 seconds.
- Step 9** Reconnect the uplink cables.
- Step 10** Connect the power cables and power on.

- Step 11** Verify if the server displays on the Cisco UCS Manager, this may take a few minutes.
- Step 12** After the server appears, re-acknowledge the server, if the rack server discovery policy is set to user acknowledge.
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Changing Server Connectivity

Cisco UCS Manager maintains a mapping of which ports integrated rack servers are connected on.

When moving an integrated rack server or cabling of a chassis to a different Fabric Interconnect (FI) ports, the following procedure must be followed.

- Step 1** Decommission the rack server that needs to be moved (or S3260 chassis, if applicable).
- In the **Navigation** pane, click **Equipment**.
 - Expand **Equipment** > **Rack Mounts** > **Servers**.
 - Choose the server that you want to decommission.
 - In the **Work** pane, click the **General** tab.
 - In the **Actions** area, click **Server Maintenance**.
 - In the **Maintenance** dialog box, do the following:
 - Click **Decommission**.
 - Click **OK**.
- The server is removed from the Cisco UCS configuration.
- Step 2** Disconnect the cables connecting the VICs to the FIs (or FEX, if applicable).
- Step 3** Connect the cables to the new ports on the FIs (or FEX, if applicable).
- Step 4** Recommission the server (or S3260 chassis, if applicable).
- In the **Navigation** pane, click **Equipment**.
 - In the **Work** pane, click the **Decommissioned** tab.
 - On the row for each rack-mount server that you want to recommission, check the check box in the Recommission column.
 - Click **Save Changes**.
- Step 5** Verify if the server displays on the Cisco UCS Manager, this may take a few minutes.
- Step 6** Monitor the progress of the server recommission and discovery on the FSM tab for the server.
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