



## Start and Stop Azure Stack Hub

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## Start and Stop Azure Stack Hub

You can shut down and restart Azure Stack Hub services in the Cisco Integrated System for Microsoft Azure Stack Hub. Shutting down physically powers off the entire Azure Stack Hub environment. Starting up powers on all the infrastructure and returns tenant resources to the power state that they were in before shutdown. The following procedures illustrate how you can properly shut down and restart Azure Stack Hub services.

For the latest version of the Microsoft specific steps, refer to the Microsoft [documentation](#).

## Stop Azure Stack Hub

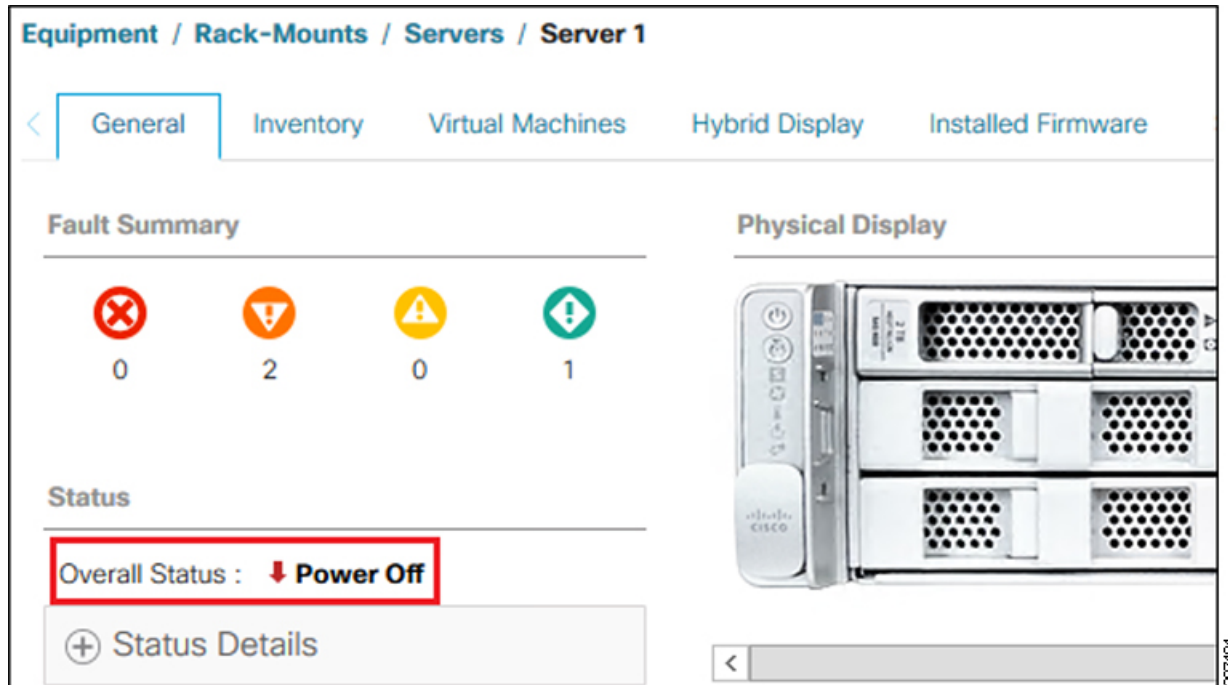
To shut down Azure Stack Hub, do the following:

### Procedure

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- Step 1** Prepare all workloads running on your Azure Stack Hub environment's tenant resources for the upcoming shutdown.
- Step 2** Open a Privileged Endpoint (PEP) session from a machine with network access to the Azure Stack Hub ERCS VMs.
- For detailed information, see [Using the privileged endpoint in Azure Stack Hub](#).
- Step 3** From the PEP, run **Stop-AzureStack**.
- Step 4** Wait for all physical Azure Stack Hub nodes to power down.
- Step 5** Log into Cisco UCS Manager ([https://<UCS\\_Manager\\_IP>](https://<UCS_Manager_IP>)) by using the admin credentials.
- Note** The Cisco UCS Manager IP Address is available in the Cisco deployment worksheet addendum document provided during the deployment.

- Step 6** From the Cisco UCS Manager GUI, in the **Navigation** pane, click **Equipment**.
- Step 7** Expand **Equipment** > **Rack Mounts** > **Servers**, and ensure that all the servers are in the **Power Off** state.
- Step 8** After all the physical servers are in the **Power Off** state, you can remove power from the Azure Stack Hub rack.

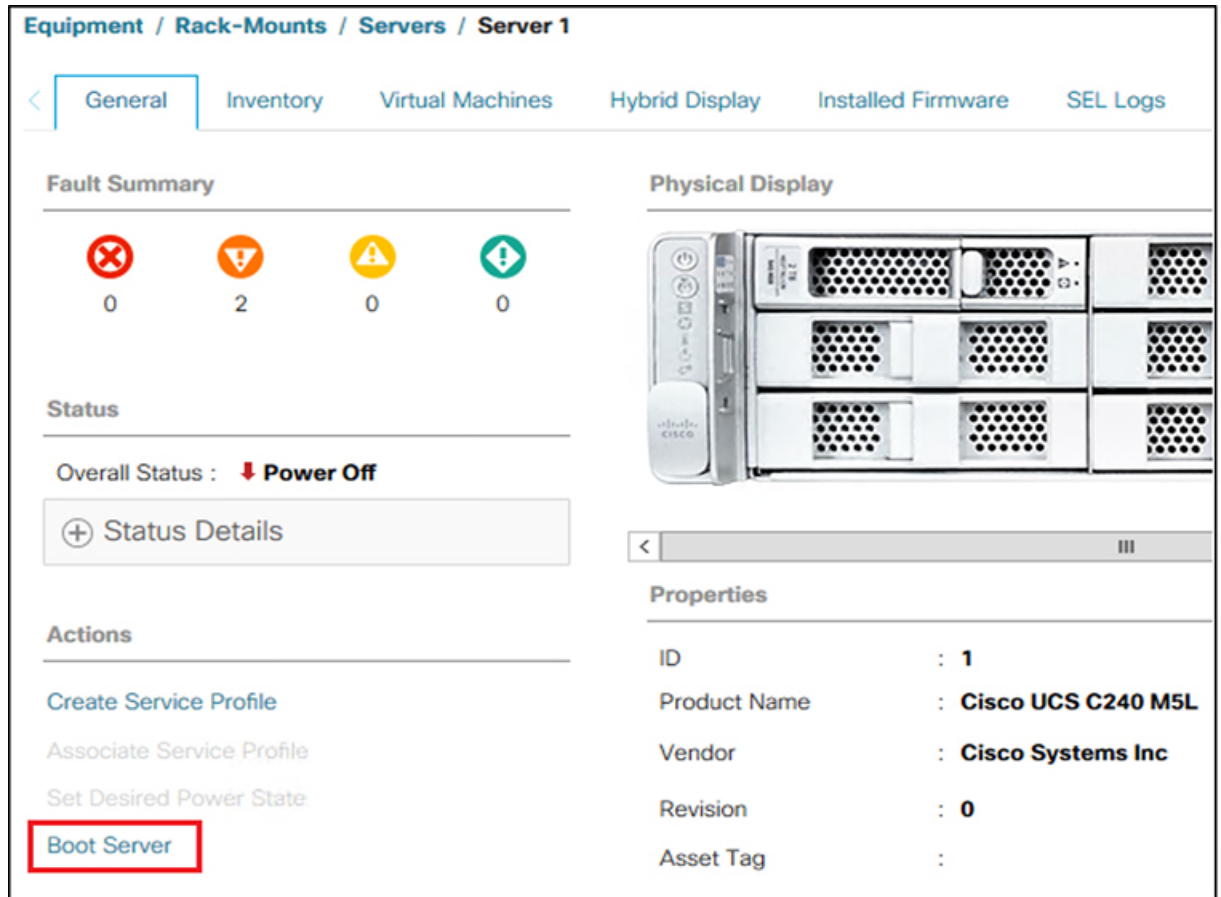


## Start Azure Stack Hub

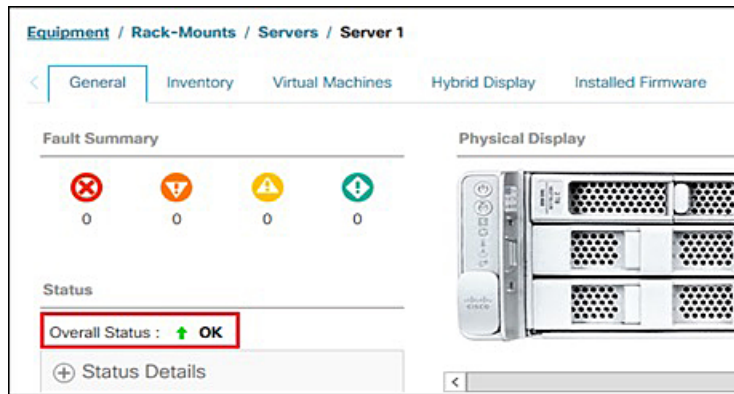
To start Azure Stack Hub, do the following regardless of how Azure Stack Hub stopped:

### Procedure

- Step 1** Log into Cisco UCS Manager ([https://<UCS\\_Manager\\_IP>](https://<UCS_Manager_IP>)) by using the admin credentials.
- Note** The Cisco UCS Manager IP Address is available in the Cisco deployment worksheet addendum document provided during the deployment.
- Step 2** In the **Navigation** pane, click **Equipment**.
- Step 3** Expand **Equipment** > **Rack Mounts** > **Servers**.
- Step 4** Choose the server that you want to boot.
- Step 5** In the **Work** pane, click the **General** tab.
- Step 6** In the **Actions** area, click **Boot Server**.



After the server has booted, the **Overall Status** field on the **General** tab displays an **OK** status in a few minutes.



**Step 7** Wait until the Azure Stack Hub infrastructure services starts.

Azure Stack Hub infrastructure services can require two hours to finish the start process. You can verify the start status of Azure Stack Hub with the [Get-ActionStatus](#) cmdlet.

- Step 8** Ensure that all your tenant resources have returned to the state that they were in before shutdown. Workloads running on tenant resources may need to be reconfigured after startup by the workload manager.
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## Get the Startup Status for Azure Stack Hub

Get the status for the Azure Stack Hub startup routine with the following steps:

### Procedure

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- Step 1** Open a Privileged Endpoint (PEP) session from a machine with network access to the Azure Stack Hub ERCS VMs.  
For detailed information, see [Using the privileged endpoint in Azure Stack Hub](#).
- Step 2** From the PEP, run **Get-ActionStatus Start-AzureStack**.
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## Troubleshoot Startup and Shutdown of Azure Stack Hub

Perform these steps if the infrastructure and tenant services do not successfully start 2 hours after you power on your Azure Stack Hub environment.

### Procedure

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- Step 1** Open a Privileged Endpoint (PEP) session from a machine with network access to the Azure Stack Hub ERCS VMs.  
For detailed information, see [Using the privileged endpoint in Azure Stack Hub](#).
- Step 2** From the PEP, run **Test-AzureStack**.
- Step 3** Review the output, and resolve any health errors.  
For more information, see [Run a validation test of Azure Stack Hub](#).
- Step 4** From the PEP, run **Start-AzureStack**.
- Step 5** If running Start-AzureStack results in a failure, contact Microsoft Customer Services Support.
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