



HP Onboard Administrator Management

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Managing OA Accounts

Adding an HP OA Account

Cisco UCS Director performs auto-discovery of the HP OA account and manages all infrastructure elements in the server that are associated with the HP OA account. For managing servers, you must have two HP OAs in an enclosure: one HP OA in the Active state and the other HP OA in the Standby state.



Note

When you add a standby HP OA account, Cisco UCS Director will not discover all infrastructure elements in the server that are associated with that account, including blade server information, slots, processors, and memory.

Before You Begin

Add the pod to which this HP OA account belongs.

Step 1 Choose **Administration > Physical Accounts**.

Step 2 Click **Physical Accounts**.

Step 3 Click **Add**.

Step 4 On the **Add Account** screen, complete the following fields:

Name	Description
Pod drop-down list	Choose the pod to which this account belongs.

Name	Description
Category Type drop-down list	Choose Computing as the category type . This is the type of infrastructure for the account.
Account Type drop-down list	Choose HP OA as the account type.
Click Submit . The following fields appear once you submit the entries.	
Account Name field	A unique name that you assign to this account.
Description field	(Optional) A description of this account.
Server IP field	The IP address of the HP server. For a cluster configuration, this is the virtual IP address. Note While adding a standby account, provide the active IP address of the HP OA account that will act as the standby account.
User Credential Policy check box	Check this check box to use the policy to assign credentials to the account.
Credential Policy drop-down list	This field appears only when the User Credential Policy check box is checked. Choose the credential policy.
User ID field	This field is visible only when the User Credential Policy check box is unchecked. The username that this account will use to access the HP server. This username must be a valid account in the HP server.
Password field	This field is visible only when the User Credential Policy check box is unchecked. The password associated with the username.
Protocol drop-down list	This field is visible only when the User Credential Policy check box is unchecked. The protocol is set as SSH .
Port field	This field is visible only when the User Credential Policy check box is unchecked. The port used to access the HP OA account.
Contact Email field	The email address that you can use to contact the administrator or other person responsible for this account.
Location field	The location of this account.

Step 5 Click Add.

Cisco UCS Director tests the connection to the HP server. If that test is successful, it adds the HP OA account and discovers all infrastructure elements in the server that are associated with that account, including blade server information, slots, processors, and memory. This discovery process and inventory collection takes few minutes to complete.

The polling interval configured on the **System Tasks** tab on the **Administration > System** window specifies the frequency of inventory collection. For more information about configuring the polling interval, see the *Cisco UCS Director Network Devices Management Guide*.

Managing HP Servers

Managing the Power in a Blade

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- Step 1** Choose **Physical > Compute**.
- Step 2** Expand the pod and then click the HP Onboard Administrator (OA) account.
- Step 3** Click **Blade Servers**.
- Step 4** To turn on a blade, do the following:
- Click the row with the blade that you want to turn on.
 - Click **Power On**.
The **Power On** screen appears.
 - From the **Select One Time Boot Order** drop-down list, choose one of the following as the device from which you want to start the booting process when the blade is turned on:
 - **USB**
 - **HDD**
 - **FLOPPY**
 - **PXE**
 - **CD**
 - **RBSU**
 - **Normal**—To follow the default boot order.
 - Click **Submit**.
- Step 5** To turn off a blade, do the following:
- Click the row with the blade that you want to turn off.
 - Click **Power Off**.
The **Power Off** screen appears.
 - Check **Force** to forcibly turn off the blade.
 - Click **Submit**.
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Managing the Boot Order

- Step 1** Choose **Physical > Compute**.
- Step 2** Expand the pod and click the HP OA account.
- Step 3** Click **Blade Servers**.
- Step 4** Click the row with the server for which you want to change the boot order and click **View Details**.
- Step 5** Click **Boot Order**.
The boot order set for the blade is displayed.
- Step 6** To modify the one-time boot order, do the following:
- Click **Modify One Time Boot Order**.
The **Modify One Time Boot Order** screen appears.
 - From the **Select One Time Boot Order** drop-down list, choose one of the following as the device that the server needs to refer to for the next reboot:
 - **HDD**
 - **FLOPPY**
 - **PXE**
 - **CD**
 - **RBSU**
 - **Normal**—To follow the default boot order.
- Note** After reboot, the One Time Boot value is set to **None**.
- Click **Submit**.
- Step 7** To modify the boot order, do the following:
- Click **Modify Boot Order**.
The **Modify Boot Order** screen appears.
 - From the **Select Boot Order** drop-down list, choose one of the following as the device that the server needs to refer to for the next reboot:
 - **HDD**
 - **FLOPPY**
 - **PXE**
 - **CD**
 - **USB**
- Click **Submit**.
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Rebooting a Blade Server

- Step 1** Choose **Physical > Compute**.
- Step 2** Expand the pod and click the HP OA account.
- Step 3** Click **Blade Servers**.
- Step 4** Click the row with the blade server that you want to reboot.
- Step 5** Click **Reboot Blades**.
- Step 6** On the **Reboot Blades** screen, complete the following fields:

Name	Description
Select One Time Boot Order drop-down list	Choose one of the following as the device from which you want to reboot the server: <ul style="list-style-type: none"> • HDD • FLOPPY • PXE • CD • RBSU • Normal—To follow the default boot order.
Force check box	Check this check box to forcibly reboot the server.

- Step 7** Click **Submit**.

Managing OA Reports

About Managing Reports

All discovered and managed components of HP servers are displayed at the HP OA account level.

You can view the reports for each of the discovered blade servers in the following categories:

- NIC
- CPU/Memory
- Boot Order

Viewing the HP OA Reports

You can view the status of the HP blade server and details about the specific component in the HP server.

Step 1 Choose **Physical > Compute**.

Step 2 On the Compute page, expand the pod and then click the HP OA account for which you want to view the report. Cisco UCS Director displays the details of the servers that are available under the HP OA account. Click the tabs in the window for more details about that component.

Name	Description
Summary tab	Displays an overview of the server blades that are installed on the chassis of the HP OA account and the number of blades that are powered on.
Blade Servers tab	<p>Displays a list of the blade servers with their details such as the bay on which the server is installed, server name, serial number, status, power condition, UID, and partner. This page has options to power on, reboot, and power off the blades.</p> <p>For more details about a server, choose the server and click View Details. Click one of the following tabs in the window for more details about that component:</p> <ul style="list-style-type: none"> • NIC—Displays a list of adapters that are attached to the blade server. The NIC information includes the mezzanine device, mezzanine device slot, mezzanine slot, device port, NIC address, status, and bay. • CPU/Memory—Displays the CPU and memory information of the blade server. • Boot Order—Displays the following details: <ul style="list-style-type: none"> ◦ One Time Boot—Specifies the device that a server will refer to for the next reboot. After reboot, the One Time Boot value is set to None. ◦ Boot Order—Specifies the default boot order of the server.
Power Management tab	Displays the power delay set for rebooting the server blades on each bay, when the server is turned on.
Rack tab	Displays the information of the racks on which the HP blade servers are mounted.

Name	Description
FRU tab	Displays the Field Replaceable Unit (FRU) information for FRUs, such as the HP OA device, fan, blade, and power supply in the HP server. The FRU information includes the name, model, part number, spare part number, serial number, manufacturer, firmware version, and hardware version. Based on FRU, the FRU information displayed in the table varies.
VLAN tab	Displays a list of the VLANs that are configured on the device bays and interconnect bays.
Enclosure Power Supply tab	Displays a list of the power supply units that supply power to the enclosure. The power supply information includes the power supply, status, AC input status, capacity, current power output, serial number, product name, part number, spare part number, and version.
Fan tab	Displays a list of the fans available in the enclosure. The fan information includes the fan, status, speed, maximum speed, minimum speed, power consumed, product name, part number, spare part number, and version.
Enclosure Temperature tab	Displays the current temperature and temperature status of the enclosures, OAs, blade bays, and interconnect modules.
Server Firmware tab	Displays a list of firmware components attached to blades with the bay, discovered status, firmware component, current version, and firmware ISO version.
Devices tab	Displays a list of the HP OA accounts. The HP OA account information includes the onboard administrator, name, role, status, UID, product name, part number, spare part number, serial number, UUID, manufacturer, firmware version, board type, and hardware version.

