



Overview

This chapter contains the following section:

- [About HP Integrated Lights-Out, page 1](#)
- [About HP Onboard Administrator, page 2](#)

About HP Integrated Lights-Out

Integrated Lights-Out (iLO) is a proprietary embedded server management technology from Hewlett-Packard (HP) that provides out-of-band management facilities for HP ProLiant servers. HP integrates iLO into HP ProLiant servers to enable administrators to perform activities on the HP servers from a remote location.

Cisco UCS Director provides the capability to access and manage HP ProLiant servers remotely using HP iLO. Cisco UCS Director provides workflows to automate the server administration tasks and monitor the state of the servers. For more information about pod licenses, see [Cisco UCS Director Orchestration Guide](#).

Using Cisco UCS Director, you can perform the following operations on the HP ProLiant servers that support HP iLO:

- 1 Power on
- 2 Power off
- 3 Set power saver mode
- 4 Auto power on configuration
- 5 View the HP server inventory details
- 6 View the HP server NICs
- 7 View the HP server slots
- 8 View the HP server memory
- 9 View the HP server processors
- 10 Boot PXE

For more information on how to perform these operations on the servers, see [Cisco UCS Director Orchestration Guide](#).

About HP Onboard Administrator

Hewlett-Packard (HP) Onboard Administrator (OA) is the enclosure management processor, subsystem, and firmware base that supports the HP Blade System c-Class enclosure and all the managed devices that are contained within the enclosure. Using OA, you can perform the basic management tasks on server blades or switches within the enclosure.


Note

For supported HP OA versions, see [Cisco UCS Director Compatibility Matrix](#) for this release.

Cisco UCS Director communicates with HP OA through secure shell (SSH) to manage HP c7000 servers. At one time, you can manage up to eight servers. To manage 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.

With Cisco UCS Director, you can perform the following tasks on an HP server:

- 1 Inventory Management
- 2 Power Management
- 3 Boot Management

The following table provides the mapping between the HP OA buttons and Cisco UCS Director actions.

HP OA Button	Cisco UCS Director Action	Description
Momentary Press	Power on and Power off (the Force check box needs to be unchecked) Note If the server power remains in the "On" status for more than five minutes, the HP OA cancels the operation.	Mimics a physical momentary press of the power button on the server blade. This action powers the server blade on or off gracefully. For more information about managing the blade power, see Managing the Power in a Blade .
Press and Hold	Power off (the Force check box needs to be checked)	Mimics a physical press and hold of the power button on the server blade. This action forces the server blade to shut power off without first shutting down the OS. For more information about managing the blade power, see Managing the Power in a Blade . Note This option is not available when the server blade is off.

HP OA Button	Cisco UCS Director Action	Description
Cold Boot	Reboot (the Force check box needs to be checked)	Removes power from the system immediately. This action is not available when the server blade is off. For more information, see Rebooting a Blade Server .
Reset	Reboot (the Force check box needs to be unchecked)	Resets the system. This action is not available when the server blade is off.

