



Hewlett Packard
Enterprise

HPE OneView to HPE Compute Ops Management migration guide

High-level guide to migrating to HPE Compute Ops Management



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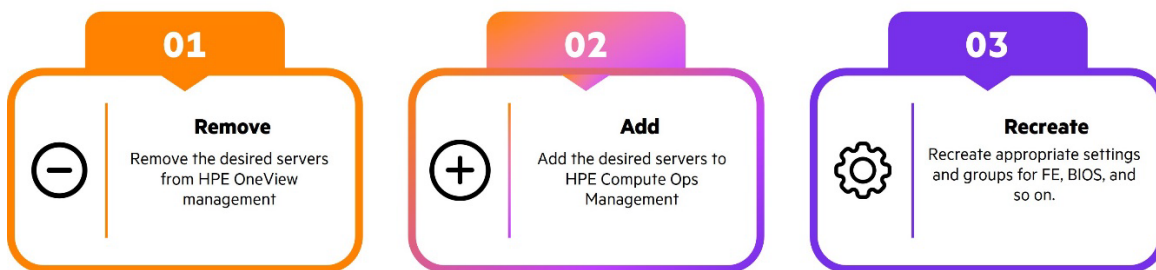
Migrating from HPE OneView to HPE Compute Ops Management

HPE OneView is a software-defined infrastructure management platform optimized for on-premises infrastructure, dark site environments, and HPE Synergy platforms. It provides a centralized interface to manage and monitor servers, storage, and networking devices, helps providing seamless integration and efficient management of diverse infrastructure environments using a template-driven approach.

HPE Compute Ops Management simplifies and automates operations across the server lifecycle, no matter where your compute infrastructure lives. The service provides a consistent, secure cloud experience for the whole environment that scales elastically and unifies compute management in a single pane of glass.

As customers continue to explore the HPE software offerings, we understand that some customers currently using HPE OneView for their management solution wants to migrate to HPE Compute Ops Management. This short guide aims to provide a simple process that can be followed to successfully move management of server from HPE OneView to HPE Compute Ops Management.

Migration steps



Migrating from HPE OneView to HPE Compute Ops Management can be done in three simple steps:

1. Remove the desired servers from HPE OneView management
2. Add the desired servers to HPE Compute Ops Management
3. Recreate appropriate settings and groups for FW, BIOS, and so on

Remove servers from HPE OneView Management—monitored mode

An HPE iLO can only be connected to one management platform at a time; therefore, the HPE iLO must be disassociated from HPE OneView before it can be associated with HPE Compute Ops Management.

Prerequisites

Privileges: Infrastructure administrator or server administrator privileges are required.

About this task

Use this procedure to remove an HPE ProLiant rack server from management. Removing a server from management removes its alerts, activities, and associations.

You cannot remove a server that is hosting an active server profile. You must delete the server profile from the server and then remove the server from management.

If the appliance cannot contact the server during the remove operation, a message alerts you about manual cleanup tasks.

Procedure

1. Take a backup of the existing HPE OneView appliance through the built-in process under settings, or with a VM-level snapshot
2. From the main menu, select **SERVERS > Server Hardware**
3. In the list pane, select the rack server you want to remove
4. Select **Actions > Remove**
5. Review the confirmation message, if any, and click **Yes, remove** to remove the rack server.
6. Verify the rack server has been removed in the list pane.



Remove servers from HPE OneView Management—managed mode

An HPE iLO can only be connected to one management platform at a time; therefore, the HPE iLO must be disassociated from HPE OneView before it can be associated with HPE Compute Ops Management.

Prerequisites

Privileges: Infrastructure administrator or server administrator privileges are required.

About this task

Use this procedure to remove an HPE ProLiant rack server from management. Removing a server from management removes its alerts, activities, and associations.

You cannot remove a server that is hosting an active server profile. You must delete the server profile from the server and then remove the server from management.

If the appliance cannot contact the server during the remove operation, a message alerts you about manual cleanup tasks.

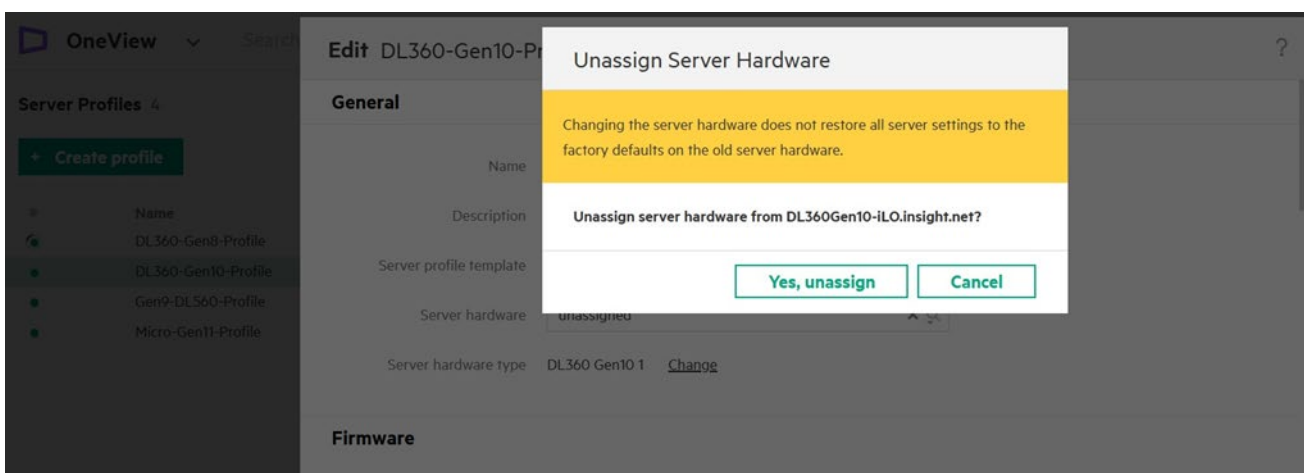
Procedure

1. Take a backup of the existing HPE OneView appliance through the built-in process under settings, or with a VM-level snapshot
2. Note the server profiles and server profile templates to see what settings are in place for the managed systems; these will need to be replicated and configured in HPE Compute Ops Management later

Important

It is recommended to logically eject the systems from HPE OneView before adding them to HPE Compute Ops Management. Within the HPE OneView management paradigm, removing a profile from a server requires a reboot. With administrator access to the HPE iLO, it is possible to forcibly remove the HPE OneView settings through GUI or API. Removing the HPE iLO side configuration without removing the server from HPE OneView results in HPE OneView showing an error state as it will no longer be able to communicate with the HPE iLO. If HPE OneView is being retired, this is a nonissue. If HPE OneView remains in production, the systems being migrated should be deleted from HPE OneView. In the GUI, you will have to use the force remove option. This will not show until a removal is attempted and failed. Force removal can be done in a single step through the API.

3. Edit the profile and change the server hardware to **unassigned**



4. Unassigning the server profile requires that the server be powered off

Reinstall components

◆ Unable to update profile.

This server profile cannot be unassigned because [DL360Gen10-iLO.insight.net](#) is powered on and the following sections can only be cleared when the power is off:

- Boot Settings

Resolution Power off the server and retry.

5. The other option is to delete the profile with the **Force Option**

Delete DL360-Gen10-Profile ?

Deleting a server profile does not restore all server settings to the factory defaults.

Force delete server profile

Forcibly deleting DL360-Gen10-Profile in its current state will ignore any errors that may occur. This may leave the server hardware in a state that would prevent subsequent use. [Learn more](#)

Delete server profile DL360-Gen10-Profile?

Yes, delete **Cancel**

Important

Check the documentation in the **Learn More** link carefully to ensure you understand the process, particularly if SAN connectivity is involved.

6. Deleting the profile takes a few minutes

OneView Search

Server Profiles 3

+ Create profile

Name
DL360-Gen8-Profile
DL360-Gen10-Profile
Gen9-DL560-Profile
Micro-Gen11-Profile

DL360-Gen10-Profile

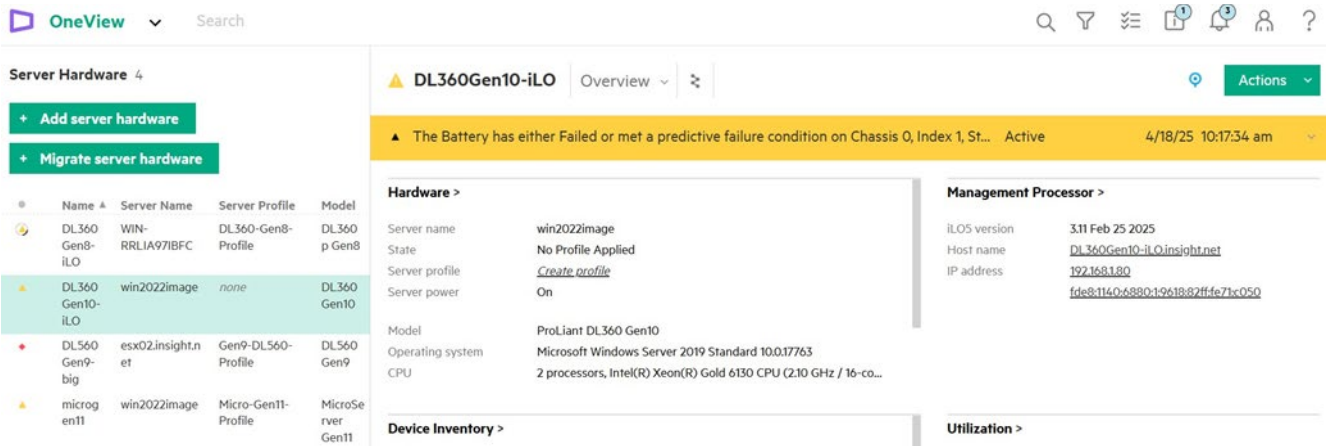
- Delete Completed 10s

Note

The server should remain up and in production during the process.



- While the **Profile** has been deleted from HPE OneView, the HPE iLO still shows as managed. This is correct because HPE OneView still has control.



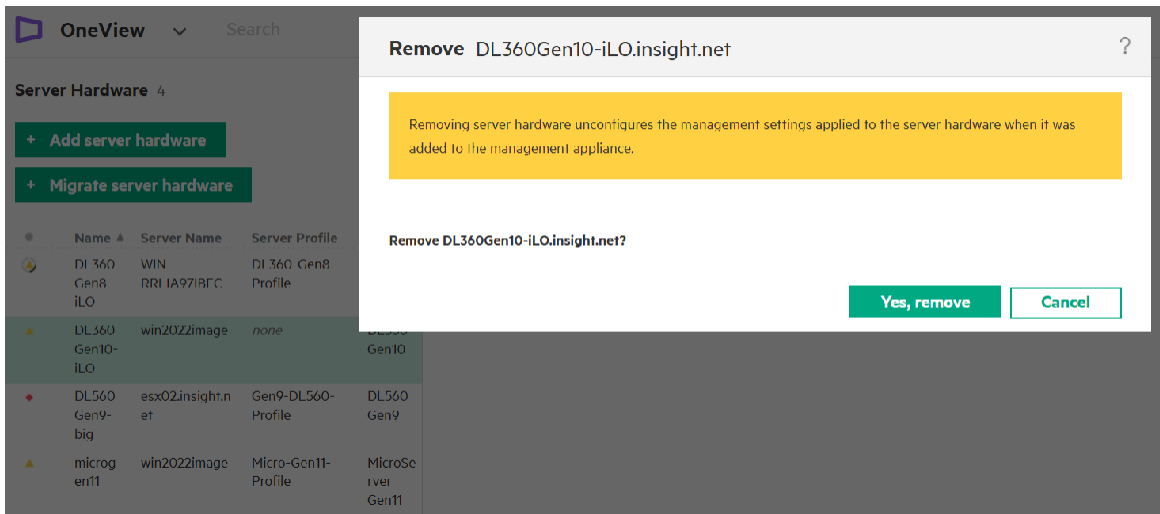
- But with no profile applied, the server is effectively just monitored and can be removed from **Server Hardware**

9. From the main menu, select **SERVERS > Server Hardware**

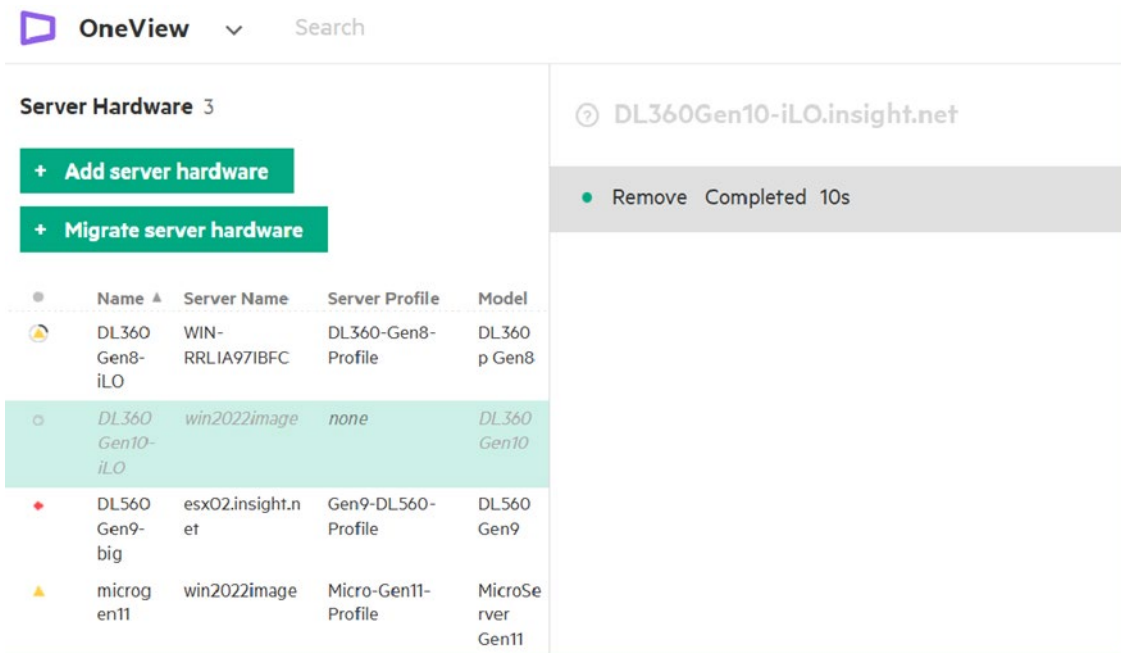
10. In the list pane, select the rack server you want to remove

11. Select **Actions > Remove**

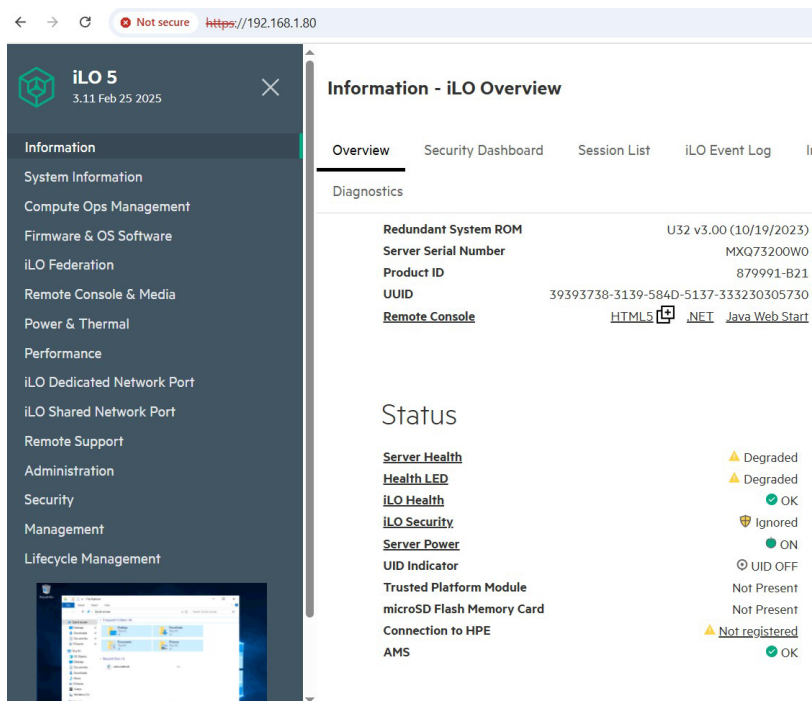
12. Review the confirmation message, if any, and click **Yes, remove** to remove the rack server.



13. Verify the rack server has been removed in the list pane.



14. Refresh the HPE iLO homepage, note the HPE OneView menu item is now gone, as well as the **Managed by HPE OneView** on the information page status.



15. Once HPE iLO have been dissociated from HPE OneView they are effectively **new** from a management perspective and can be onboarded to HPE Compute Ops Management using the standard process.

- a. HPE recommends using the token-based onboarding process implanted in HPE iLO 6 firmware 1.59 and HPE iLO 5 firmware 3.06.
- b. Older firmware versions may be able to work using the HPE GreenLake cloud ID process, but this is generally discouraged as the effort to test and validate is larger than the process to bring firmware up to the required level.

Add server to HPE Compute Ops Management

Prerequisites

Privileges: Have a valid HPE GreenLake account and have access to the servers HPE iLO

About this task

Use this procedure to configure HPE Compute Ops Management when you want to:

- Manage servers directly with HPE Compute Ops Management
- Manage servers with both direct management and HPE OneView management through HPE Compute Ops Management—OneView Edition

Supportability: HPE Compute Ops Management supports certain hardware platforms—check the HPE Compute Ops Management support matrix to ensure the server you are onboarding is listed in the supported servers list within the [HPE Compute Ops Management getting started guide](#).

Procedure

1. Within the HPE Compute Ops Management page, under the **Servers** tab, click **Add Server**

Step 1 of 3

Connection type

[Learn more about adding a server](#)

Get an activation key and use it in iLO to onboard server(s) to Compute Ops Management. The server will be added to HPE GreenLake device inventory if not previously added.

▲ Ensure that your HPE GreenLake Platform application role includes **edit** permissions for **Devices and Subscription Service**.

Server connection type

Direct connect

Secure gateway

Next →



- 2. Select how long the key will work and optionally which subscription to use

Step 2 of 3

Activation key options

Expiration
Choose how long the activation key will be valid

3 days

Subscription key (optional)
Select an existing subscription key or enter a new subscription key to be assigned to the server, as part of server onboarding to Compute Ops Management. [Learn more about subscription tiers.](#)

123567890

- 3. Finish and generate the key

Activation key

[add_server_wizard.add_steps.learn_more_activation_key](#)

Use this activation key in the iLO to onboard server for Compute Ops Management. The same activation key can be used to onboard multiple servers. The server will be added to HPE GreenLake device inventory if not previously added.


① HPE recommends that a server onboarding to Compute Ops Management is in a power on state to enable gathering server inventory. In case the server is powered off, Compute Ops Management will power on the server, pre-boot to just before the operating system, collect inventory and then power off the server.

iLO firmware version requirement

① iLO must be updated to the following minimum versions prior to using the activation key. [Learn more.](#)

iLO generation	Supported Version
iLO 6	v1.64 or later
iLO 5	v3.09 or later

Activation key details

Connection type	Direct connect
Expires on	Mon Apr 21 2025 3:15 PM
Subscription key	K483536216
Activation key	RF36M2LTY 

Close



- Copy the key to the clipboard and go to the HPE iLO interface, HPE Compute Ops Management, and click **enable**

The screenshot shows the HPE iLO 5 interface. On the left is a navigation menu with 'Compute Ops Management' selected. The main content area is titled 'HPE Compute Ops Management' and shows 'Compute Ops Management' as 'Not Enabled'. Below this is a banner for 'Cloud-based compute management for the distributed enterprise' with 'Secure' and 'Automate' sections. A green 'Enable' button is at the bottom right.

- Enter the activation key and click **save**

The screenshot shows the 'Enter Activation Key' dialog box. It contains a list of five steps for obtaining an activation key. Below the steps is a text input field labeled 'Activation key' and a green 'Save' button.

- The server will show as **connected**. If not, see the [HPE iLO remediation section](#)

The screenshot shows the HPE iLO 5 interface with 'Compute Ops Management' now showing a 'Connected' status. The 'HPE GreenLake Workspace ID' is displayed as 'e95e0d08e4a811ebb0f9e8bb80515af' and the 'Connection Type' is 'Direct'. There is an 'Edit Settings' link and 'HPE GreenLake' branding.



Recreate appropriate settings and groups for firmware, BIOS, and so on

Creating server FW settings

Prerequisites

Verify that your HPE GreenLake user account has the HPE Compute Ops Management Administrator role.

About this task

When you create a server firmware setting, you configure base SPP bundles and hotfixes or patches to apply to the servers in a group.

When a server firmware setting is assigned to a server group, the servers in the group are continuously monitored for firmware compliance.

Procedure

1. Click **Manage**, and then click **Settings**.

2. Click **Create setting**.

The **Setting details** page opens.

3. Enter the setting name and description.

a. **Name**—(Required) Between 1–100 characters long.

b. **Description**—(Optional) Up to 10,000 characters.

4. Select the **Server firmware** category, and then click **Next**.

HPE Compute Ops Management prompts you to select firmware baselines for the supported server types.

You must configure a baseline for at least one server type.

5. Select one or more base SPP bundles.

6. (Optional) Select a hotfix or patch bundle for each selected base SPP bundle.

7. The list shows active hotfixes and patch bundles associated with the selected base SPP bundles.

8. Click **Finish and create setting**.

This activity is recorded in the activity log.

The **Settings** page shows general details such as the setting name, category, type, and number of associated groups.

9. (Optional) Click a setting name to view the setting **Details** page.

10. (Optional) To view the groups that use the setting, click the **Used by number of groups** link.

Creating server internal storage settings

Prerequisite

Verify that your HPE GreenLake user account has the HPE Compute Ops Management administrator role.

About this task

When you create a server internal storage setting, you specify the volumes to create on the servers in a group. When you apply the setting to a server group member, HPE Compute Ops Management selects one or more controllers and creates the volumes. Multiple volumes can be created on a controller, with one volume per array.

When a server internal storage setting is assigned to a server group, you can configure a policy to apply the storage configuration when activated servers are added to the group. You can also use a server group action to apply the server internal storage configuration.



Procedure

1. Click **Manage**, and then click **Settings**.

2. Click **Create setting**.

The **Setting details** page opens.

3. Enter the setting name and description.

a. **Name**—(Required) Between 1–100 characters long.

b. **Description**—(Optional) Up to 10,000 characters.

4. Select the **Server internal storage** category, and then click **Next**.

5. Click **Add volume**.

a. Select a **RAID level**.

For information about the supported RAID types, see **Supported RAID types**.

b. Select the number of drives to use.

The default value is the minimum number of drives required for the selected RAID type.

You can add additional drives based on the specifications of the selected RAID type. The maximum number of drives you can add to a volume that is used for a server internal storage setting is 32.

c. (Optional) Select the drive technology to use for the volume.

Selecting a drive technology value helps you to prepare volumes for future use. For example, you might want to use SAS SSD drives to create a volume for an OS installation or use SATA HDD drives for a long-term data storage solution.

d. (Optional) Select the **Add spare drive** check box.

This option is not supported with RAID 0.

When you enable this option, a spare drive is associated with the volume you are defining. The spare drive will not be available to the other volumes defined in the same server setting.

e. Choose from the following volume size options:

I. **Use the entire disk** (default)—Creates a volume using the full drive capacity of the selected drives.

II. **Specify volume size**—Creates a volume with the user-specified size.

f. If you selected **Specify volume size**, enter the volume size in gibibytes (GiB).

g. Configure the following features.

I. **I/O performance mode**—An intelligent I/O passthrough mechanism for SSD arrays. This feature can boost storage subsystem and application performance, especially for applications that use high random read/write operation workloads.

II. **Read cache policy**—Controls the behavior when a server reads from a volume. When read caching is enabled, I/O performance is improved by satisfying read requests from the controller memory instead of physical disks.

III. **Write cache policy**—Controls the behavior when a server writes to a volume. Data can be written to the cache and storage at the same time, or it can be written to the cache first and then written to the storage later.

The values you can select vary based on the controller model. For more information, review the controller documentation.

By default, these features are set to **Not managed**, which means that HPE Compute Ops Management does not set any value for the feature.

When these features are not managed through HPE Compute Ops Management, the default value set by the controller is used.

Click **Save**.

6. Repeat the previous step to add additional volumes, and then click **Finish and create setting**.

The number of volumes you can create depends on the server hardware configuration.

When the process is complete, the **Settings** page shows general details such as the setting name, category, type, and number of associated groups.



- (Optional) Click a setting name to view the setting **Details** page.
- (Optional) To view the groups that use the setting, click the **Used by number of groups** link.

Creating server operating system image settings

Prerequisites

Prepare a web server on your network to host the OS installation media. Make sure that the web server is accessible to the HPE iLO through the management network on all the servers that uses the server operating system image setting.

HPE Compute Ops Management does not validate HPE iLO access to the web server.

Prepare the installation media.

You can use a single ISO file that specifies an unattended OS installation or separate ISO files for the OS installer and the unattended installation file.

- To prepare a single ISO file, see **Unattended OS installation files**.
- To prepare separate ISO files, see **Preparing separate ISO files for a server operating system image setting**.

HPE Compute Ops Management does not validate the installation media content.

Consider the following recommendations when creating a single ISO file or separate ISO files:

- Include the steps to format the partition before installing the OS in the OS-specific installation script.
- Include the Agentless Management Service (AMS) installer. When AMS is running, the server can communicate to HPE iLO that an OS installation is complete.

AMS is available in the SPP and in the [HPE Support Center](#). It is included in the customized HPE and VMware® ISO images at [VMware ESXi Image for HPE servers](#).

- Consider adding other HPE drivers and software installers.

When a server group has the **Auto apply firmware baseline** and **Install operating system** policies enabled, HPE drivers and software updates are not included when a server is added to the group. You can include HPE drivers and software in the installation media or initiate a manual update that includes HPE drivers and software after all server group policies are applied.

Verify that your HPE GreenLake user account has the HPE Compute Ops Management administrator role.

About this task

When you create a server operating system image setting, you specify an OS, media type, and one or two ISO image URLs.

Procedure

- Click **Manage**, and then click **Settings**.
- Click **Create setting**.

The **Setting details** page opens.
- Enter the setting name and description.
 - Name**—(Required) Between 1–100 characters long.
 - Description**—(Optional) Up to 10,000 characters.
- Select the **Server operating system image** category, and then click **Next**.

HPE Compute Ops Management prompts you to select a supported OS and specify the media details.
- Select an OS from the list or select **Custom** to use an OS that is not listed.
- Select from the following media types:
 - Single image containing OS and unattended installation file**—Select this option if the OS installer and the unattended installation file are combined on one ISO image file.
 - Separate images for OS and unattended installation file**—Select this option if the OS installer and the unattended installation file are on separate ISO image files.



7. Depending on your selection in the previous step, enter the full path to one or two installation media types in the following format:
https://hostname.domain.com/imagenamename.iso.

- a. ISO images are supported
 - b. HTTP and HTTPS URL formats are supported
- Using a web server that requires authentication is not supported

8. If you selected a custom OS and the **Separate images for OS and unattended installation file** option, configure the **Image to mount as a virtual CD** setting.

When you apply a server OS image setting, the HPE iLO virtual media feature is used to mount the installation media on the target server. When you use separate images for the OS and unattended installation files, one image is mounted as a virtual CD and the other is mounted as a virtual floppy disk. For a successful unattended installation, the ISO image file must be able to access the unattended installation file.

For example, all Linux®-based operating systems require mounting the unattended installation file as the virtual CD. Other operating systems require mounting the ISO image as the virtual CD. If you do not know the virtual media capabilities of your custom OS, you might want to check your server setting in a test environment. During the test, check the OS installation status in the HPE iLO remote console. If the installation is paused for user input, update the server setting by changing the image that is configured to use the virtual CD, and then retry the test.

9. Click **Finish and create setting**.

This activity is recorded in the activity log.

The **Settings** page shows general details about the server settings, such as the setting name, category, type, and number of associated groups.

10.(Optional) Click a setting name to view the setting **Details** page, which shows the OS selection and the media details.

11.(Optional) To view the groups that use the setting, click the **Used by number of groups** link.

Creating server external storage settings

Prerequisites

Verify that your HPE GreenLake user account has the HPE Compute Ops Management administrator role.

About this task

When a server external storage setting is assigned to a server group, you can configure a policy to apply the external storage configuration when activated servers are added to the group. You can also use a server group action to apply the external storage configuration.

Procedure

1. Click **Manage**, and then click **Settings**.

2. Click **Create setting**.

The **Setting details** page opens.

3. Enter the setting name and description.

- a. **Name**—(Required) Between 1–100 characters long.
- b. **Description**—(Optional) Up to 10,000 characters.

4. Select the **Server external storage** category, and then click **Next**.

HPE Compute Ops Management prompts you to select the **Host OS type**.

5. Select a **Host OS type**.

The list includes all the operating systems supported by Data Ops Manager. Select the OS that will run on the servers in the group to which you will assign the server external storage setting.

Note

All the servers in the group must have the same OS. If the OS on a server does not match the specified value, the exported volumes for the host group might not be accessible from the server.



6. Click **Finish and create setting**.

This activity is recorded in the activity log.

The **Settings** page shows general details about the server external storage settings, such as the setting name, category, type, and number of associated groups.

7. (Optional) Click a setting name to view the setting **Details** page, which shows the setting details and the **Host OS type** selection.

8. (Optional) To view the groups that use the setting, click the **Used by number of groups** link.

Creating server BIOS/workload profile settings

Prerequisites

Verify that your HPE GreenLake user account has the HPE Compute Ops Management Administrator role.

About this task

Creating a customized BIOS configuration setting is supported in the HPE Compute Ops Management RESTful API. It is not supported in the graphical UI.

For information about the BIOS attributes you can configure, see the [HPE Redfish documentation for your HPE iLO version](#).

Procedure

Use the HPE Compute Ops Management RESTful API to create a BIOS/workload profile setting.

For instructions, navigate to HPE Compute Ops Management in the **Services** section of the [HPE GreenLake Developer Portal](#). Review the topic **Create server settings** in the **API reference > server-settings - v1beta1** section.

Creating a server group

Prerequisites

- Verify that your HPE GreenLake user account has the HPE Compute Ops Management Administrator role.
- Verify that your HPE Compute Ops Management user account has full access to all servers if you will configure the **Automate adding servers** setting. If your user account is configured with a resource restriction policy (RRP) or a scope group, you cannot configure this feature.

Check with your HPE GreenLake administrator for information about your account configuration.

Procedure

1. Click **Manage**, and then click **Groups**.

2. Click **Create group**.

3. Enter the group details, and then click **Next**.

- a. **Name**—Required, between 1–100 characters long.
- b. **Description**—(Optional) Up to 10,000 characters.
- c. **Type**—Select **Server**.

4. (Optional) Select the server setting types to apply to the group, and then click **Next**.

HPE Compute Ops Management prompts you to configure group policies for the selected server setting types.

5. (Optional) For each selected server setting type, configure the policy settings, and then click **Next**.

Repeat this step for each enabled server setting type.

For more information, see [Server group policy options](#).

When all policies are configured, HPE Compute Ops Management prompts you to configure the **Automate adding servers** feature.

6. (Optional) Enable the **Automate adding servers** feature.

When enabled, this feature adds servers to the group automatically when a matching HPE GreenLake device tag is detected.

This feature is disabled by default.

To skip this step, click **Next** and continue to step 9.



7. (Optional) If you enabled the **Automate adding servers** feature, enter the tag to use for automatically adding servers to the group, and then click **Assign**.

To add a tag, select or create values in the **Name** and **Value** boxes. If a value does not exist, enter it, and then click **Create value**.

One tag is supported per server group. If you try to enter a second tag, it replaces the existing tag. The tag must be unique within the service instance.

For more information, see [Automate adding servers to server groups](#).

8. Click **Next**.
9. When prompted, review the group configuration, and then click **Finish and create group**.

This action is logged in the activity log and the audit log.

10. Add servers to the group.

For instructions, see [Adding servers to a group from the Servers page](#) or [Adding servers to a group from the Groups page](#).



Appendix

HPE iLO remediation

A common scenario is that HPE iLO requires some settings to be modified across the entire install base to enable HPE Compute Ops Management connectivity. HPE OneView is an on-premises appliance and only requires IP address connectivity. As HPE Compute Ops Management exists in the HPE GreenLake, HPE iLO must be able to both resolve the required URLs and have a valid path out to them. URLs are listed in the HPE Compute Ops Management documentation ([HPE Compute Ops Management user guide—connecting to HPE iLO](#)).

There are a few areas that require special attention:

1. Minimum firmware version on the HPE iLO.
2. Domain name system (DNS).
3. Network Time Protocol (NTP)—HPE OneView sets itself as the HPE iLO network time source (SNTP/NTP), and this setting persists after the HPE iLO is removed from HPE OneView. Time synchronization is important for SSL communication and should be reset to a standard organizational resource.
4. Proxy—proxy configurations may require a URL, port number, and credentials.

Scripts exist to walk through a list of HPE iLO and correct these issues. ([HPE Compute Ops Management connectivity troubleshooting checklist!](#))

Cautionary considerations

When reviewing the HPE OneView environment, pay extra attention to any systems that are in an alert state. There may be other problems that need to be addressed first.

SSL Intercept—Some firewalls are configured to intercept, decrypt, and repackage packets. This process breaks SSL security and replaces the HPE certificate with a certificate from the firewall. If SSL Intercept is in use, HPE Compute Ops Management rejects the connection due to certificate mismatch. The HPE Compute Ops Management Security white paper is recommended to be reviewed by customer firewall team to justify disabling SSL Intercept functionality for HPE iLO.

Thorough testing is strongly recommended prior to deployment at scale. Typically, customers start with a couple of systems configured manually to validate settings and connectivity, then move on to scripting/automation at incrementally larger scales.

Terminology comparison between HPE OneView and HPE Compute Ops Management

Both HPE Compute Ops Management and HPE OneView offer broadly similar management functions but with slightly different approaches. At a basic level, both management platforms establish a trusted connection to the HPE iLO and then can pull both information such as inventory and status. They can also issue commands to the HPE iLO for various functions, ranging from power control to storage configuration to firmware management.

Licensing

HPE OneView has two licensing models:

1. HPE OneView **Standard** is for monitoring only, without the use of profiles. There is no license fee for Standard. It is sometimes compared with a **read only** mode and HPE OneView primarily is reading information from the HPE iLO but not controlling any configuration or checking compliance. It does have limited ability to push firmware to Gen10 and newer servers but lacks the reporting and compliance functionality.
2. HPE OneView **Advanced** is for full lifecycle management of target systems. There is a for-fee license that must be purchased, and the license is associated with a single server. It enables the use of profiles and templates for full control over the server configuration including BIOS, HPE iLO, storage, and more. Firmware management is enhanced with compliance checking and reporting.

HPE Compute Ops Management is licensed as a subscription with a concurrent number of managed systems for a specified period. It has comparable server lifecycle capabilities to HPE OneView. Systems may be removed and replaced; the key factor is the number of servers connected. This is particularly convenient during server refresh, when older systems are retired and replaced with new ones.



Onboarding

HPE OneView as an on-premises appliance has a simpler onboarding process as it typically is managing systems in the same local data center, with no firewalls or other networking obstacles to overcome.

HPE Compute Ops Management is a cloud-based application that has a more involved onboarding process as it is potentially managing systems that are spread across multiple regions around the world. There are additional security and networking considerations that need to be weighed.

PowerShell scripts of HPE OneView

HPE recommends using PowerShell version 7 or higher for our cmdlets.

- You can obtain a list of all HPE supplied tools in the PowerShell gallery with the following command:

```
find-module HPE*
```

- The two relevant to this document are HPEiLOCmdlets and HPECOMCmdlets. First, install the modules:

```
Install-Module HPEiLOCmdlets
```

```
Install-Module HPECOMCmdlets
```

- Then you must load them into the current session:

```
Import-Module HPEiLOCmdlets
```

```
Import-Module HPECOMCmdlets
```

- You can verify that the modules are loaded and active with:

```
Get-Module
```

- If you are not sure of an exact command name, this will list commands matching what is in quotes:

```
Get-Command | Where-Object {$_.name -match "location"}
```

- You can then display help, including syntax and examples:

```
Get-Help Set-HPEGLDeviceLocation -Full
```

Connect to the appliance

```
#####
```

```
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```

```
#####
```

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#
#####
$Username = "Administrator"
$Password = ConvertTo-SecureString "password" -AsPlainText -Force
$Credentials = New-Object System.Management.Automation.PSCredential $Username,$Password Connect-OVMgmt -Hostname
192.168.1.125 -Credential $Credentials
Find and remove profile:
#####
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```

```
# #
```

```
#####
```

```
$profile = Get-OVServerProfile -name "DL360-Gen10-Profile" Remove-OVServerProfile -InputObject $profile -Confirm:$false -Force  
Get-OVServerProfile | Remove-OVServerProfile -Confirm:$false -Force
```

Find and remove server:

```
#####
```

```
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```

```
#####
```

```
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```

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#      #  
#####  
$server = Get-OVServer -name "DL360-Gen10"  
Remove-OVServer $server -Confirm:$false -Force
```

PowerShell scripts of HPE iLO

Connect to HPE iLO

```
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#####  
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#      #
```



#####

\$iLOUserName = "Administrator"

\$iLOPassword = "HP1nvent"

\$ConnectioniLO = Connect-HPEiLO -IP 192.168.1.80 -username \$iLOUserName -password \$iLOPassword -
DisableCertificateAuthentication

Enable HPE Compute Ops Management

#####

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#####

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#



#####

\$COMToken = "putyourtokenhere"

\$res = Enable-HPEiLOComputeOpsManagement \$ConnectioniLO -ActivationKey \$COMToken

PowerShell scripts of HPE Compute Ops Management

Connect to HPE Compute Ops Management

#####

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#

#####

WorkspaceName = "yourworkspace"

\$Region = "US-West"



```
$MyEmail = "user@mail.com"

$Password = ConvertTo-SecureString "thisisyourpassword" -AsPlainText -Force

$Credentials = New-Object System.Management.Automation.PSCredential $MyEmail,$Password

Connect-HPEGL -Credential $credentials -Workspace $WorkspaceName

Assign Server to Location

#####

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# #

#####

$ServerMatch = Get-HPECOMServer -region us-west | Where-Object iLOIPAddress -match "192.168.1.80"

Set-HPEGLDeviceLocation -locationname $locationname -deviceserialnumber $servermatch.serialNumber
```



References

1. [HPE OneView 9.4 user guide for VMs](#)
2. [HPE Compute Ops Management user guide](#)
3. [HPE Compute Ops Management getting started guide](#)

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