

HPE OneView 8.6



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General HPE OneView questions

Q. What are the advantages of HPE OneView?

A. HPE [OneView](#) is the foundation of today's software-defined infrastructure, helping IT administrators deploy infrastructure faster, simplify lifecycle operations, and increase productivity. IT administrators have the ability to compose any workload like code that increases agility and enables predictability. IT administrators can connect their infrastructure from core to cloud by provisioning turnkey private cloud infrastructure, integrate with preferred platforms, and deliver projects and outcomes desired by key stakeholders.

HPE OneView improves infrastructure management for the following HPE appliances:

- **Compute:** HPE Synergy, HPE ProLiant (DL and ML), HPE Apollo systems, and HPE Superdome Flex
- **Storage:** HPE Primera, HPE 3PAR StoreServ, [HPE Nimble Storage](#), HPE Alletra 6000, HPE Alletra 9000, HPE StoreVirtual VSA, and HPE ConvergedSystem
- **Networking:** HPE Virtual Connect

Q. What is a software-defined approach to lifecycle management?

A. The software-defined approach to lifecycle management in HPE OneView automates operations to reduce the cost and time to deliver IT services. This approach includes a fully programmable interface to easily create customized workflows, scripts, and configuration profiles for push-button builds that instantly deliver resources without mistakes or variations. Workflow templates capture best practices and policies to increase productivity and enable compliance and consistency. Built-in intelligence automates common IT infrastructure management tasks usually done by people, and connections to Smart Update Manager automate firmware and system software maintenance.

Q. Can I customize functionality and integrate HPE OneView with my existing tools and environment?

A. HPE OneView provides a fast and modern user interface for users, and an open development platform using the Representational State Transfer application programming interface (REST API). The REST API is designed for those who wish to access full power of the management architecture. A consistent API, a common data model, and a state-change message bus replace the hodgepodge approach found in traditional systems. REST APIs provide a simpler, stateless, and scalable approach, so users can easily integrate, automate, and customize on their own. Developers in the ecosystem are also interested in REST APIs because they are powerful and pervasive in today's web-based environments.

Q. Does HPE provide integration kits for customers who do not wish to develop their own?

A. Ansible, PowerShell, Terraform, etc., are all integrations where customers can use to embed within their existing workflows, and reduce not only time to delivery, but also help avoid "vendor lock-in". For more information, refer to hpe.com/us/en/solutions/developers/composable.html.

Q. Is HPE OneView a refresh to existing HPE infrastructure management tools or a brand-new design?

A. The HPE OneView architecture has been designed to provide a resource-oriented solution that focuses on the entire hardware lifecycle — from initial configuration to ongoing monitoring and maintenance of both logical resources (like server profiles, networks, and connections) and physical resources (like servers, interconnects, and enclosures). This advanced architecture connects the resources with a common representation of the servers, networks, and storage for the converged infrastructure. The powerful domain-specific representation of resources also models their associations and interdependencies, which enables each area to contribute to the "one view" of the converged infrastructure. The HPE OneView modern architecture also separates the management and data backplanes in accordance with best industry practices, which can be particularly critical in isolating your management infrastructure from security threats such as denial-of-service (DoS) attacks.

Q. What capabilities does HPE OneView offer?

A. HPE OneView provides a wide variety of capabilities for managing converged infrastructure, including:

- Converged management architecture for [HPE servers](#), storage, and network management (HPE Virtual Connect and select third-party switch platforms)
- Software-defined control (profiles, templates, groups, and sets)
- Open integration using the REST API and state-change message bus
- Automated storage provisioning
- HPE Virtual Connect (VC) management
- Pervasive Smart Search and MapView
- Remote management with HPE iLO



- Environmental (power and thermal) management
- System health monitoring
- Firmware compliance management and updates
- Integrated Remote Support
- HPE OneView Remote Technician for remote troubleshooting
- Server provisioning
- Cluster provisioning and rolling updates for VMware vSphere®
- Security
- Appliance backups
- VMware® integrations
- Microsoft integrations
- Web-based training to basic product proficiency
- Three years of Technical Support and Updates (TS&U)

These capabilities deliver converged management that reduces infrastructure complexity with automation simplicity. It's a modern, integrated workspace for IT team collaboration, which automates the deployment and management of infrastructure repeatedly, reliably, and at scale.

Q. How is HPE OneView licensed?

A. The HPE OneView management appliance controls licenses. The same management appliance can be used for both HPE OneView Advanced licenses and for HPE OneView Standard. This choice is made by the user when they initially add their system to the HPE OneView management appliance.

- HPE OneView Advanced provides full-featured licenses, which can be purchased for managing Gen8, Gen9, Gen10, Gen10 Plus, and Gen11 servers. All HPE OneView Advanced versions are licensed "per physical server". These licenses include three years of 24x7 Technical Support and Updates (TS&U) and access to introductory one-hour web-based training (WBT) providing an overview.
- There are two types of HPE OneView licenses:
 - HPE OneView with HPE iLO Advanced
 - HPE OneView without HPE iLO Advanced

HPE OneView Standard can be used for inventory, health monitoring, alerting, and reporting without additional fees. HPE OneView Standard can monitor Gen8, Gen9, Gen10, Gen10 Plus, and Gen11 servers. The user interface is similar to the HPE OneView Advanced version, but the software-defined functionality is not available. Once deployed, both storage and servers are monitored in HPE OneView, and the storage topology is viewable in MapView. It doesn't include Support and Updates. An annual 9x5 Support and Updates offering is available for additional fee with SKU K6F98AAE.

The HPE OneView management appliance controls the licenses. HPE OneView appliance software can be downloaded from [HPE Software Center](#).

Please note that HPE OneView Licenses are not transferrable from server to another server. This applies to licenses of both types:

- HPE OneView with HPE iLO
- HPE OneView without HPE iLO

Also, when customers need to move a server from HPE OneView appliance A to HPE OneView appliance B, they need to manage the total count of licenses so, they don't use more licenses than they have purchased. They can contact HPE Services support as needed.

HPE OneView Advanced management software can be used for 60 days without charge. This is a trial period, and after 60 days, customers must apply HPE OneView licenses.

For HPE Synergy systems no additional HPE OneView license is required (licenses are included with the HPE Synergy systems).



Q. Are there any changes in HPE OneView licensing for HPE ProLiant Gen11 servers?

A. There are several changes in HPE OneView licensing for HPE ProLiant Gen11 servers:

- HPE OneView Physical and Tracking SKUs are not orderable with HPE ProLiant Gen11 servers on the same order
- Physical, Flex, and Tracking SKUs are available as standalone for HPE ProLiant Gen11 servers
- The Base SKU (R7A11AAE) has to be preselected for all compatible NPI CTO models for Gen11 DL, and ML platforms. However, it can **only** be replaced with one of the below mentioned SKUs. Base SKU **cannot** be removed but replaced with any one of the below mentioned SKUs. Preferences for selection of other COM SKUs instead of R7A11AAE
 - 5-year enhanced, up-front — Replace with R7A12AAE
 - HPE OneView advanced FIO SKU — Replace with E5Y43A
 - HPE OneView advanced w/o HPE iLO FIO SKU — Replace with P8B31A
 - HPE OneView advanced Flex E-LTU SKU — Replace with E5Y35AAE
 - HPE OneView advanced w/o HPE iLO Adv Flex E-LTU SKU — Replace with P8B26AAE

Q. Can HPE OneView be configured to automatically back up its configuration state?

A. Yes. As outlined within the Online Help, the appliance can be configured to back up the appliance configuration on an administrator-defined schedule. Appliance backups can be scheduled to perform either daily or weekly, to a supported remote location (SCP or SFTP).

Q. Does HPE OneView support selectable size support dumps?

A. Appliance support dumps can be very large in size, which takes time to generate and then transfer to and authorized HPE support representative. With the latest release of HPE OneView customers will be able to, when instructed by HPE support, which internal log files to select for an appliance support dump. This will make the file much smaller, and easier to transfer.

Q. How can I easily view HPE OneView appliance details?

A. A new appliance configuration report is available within any of the built-in reports on the appliance, as an Excel file. The configuration detail includes active alerts, HPE iLO addresses, enclosure and server inventory, server profile inventory, and HPE OneView update history.

Q. Can I easily view the HPE OneView license keys that have been applied to different servers?

A. A new License view has been added to display the license keys as applied to different servers. You can use this view to identify license keys while moving servers to a different HPE OneView appliance or while checking your license compliance. You can also use this view to determine how many servers are unlicensed.

Q. What is HPE's recommended management solution for on-premises infrastructure?

A. The recommended management solution for on-premises infrastructure continues to be the HPE OneView leading management solution. HPE OneView simplifies and automates today's complex hybrid IT infrastructure. Through software-defined intelligence, HPE OneView takes a template-driven approach for deploying, provisioning, updating, and integrating compute, storage, and networking infrastructure. HPE OneView is used to monitor and manage HPE Synergy, HPE ProLiant (DL and ML) servers, HPE Apollo systems, HPE Superdome Flex, HPE Primera, HPE 3PAR StoreServ, HPE Alletra 6000, and HPE Alletra 9000, HPE Nimble Storage and HPE StoreVirtual VSA storage, Networking, and HPE ConvergedSystem.

HPE now offers a new cloud-based management solution, HPE GreenLake for Compute Ops Management. HPE GreenLake for Compute Ops Management empowers organizations to secure their operations, simplify deployment, and unify compute management with a single pane of glass across multiple sites through an intuitive cloud service. Available through HPE GreenLake, HPE GreenLake for Compute Ops Manager is built on a unique cloud-native architecture that automates and transforms complex and time-consuming infrastructure management operations into a simplified experience across edge to cloud. HPE Compute Ops manager supports HPE ProLiant DL and ML Gen10 and Gen11 servers. For more on HPE Compute Ops Manager, please refer to hpe.com/us/en/compute/management-software.html.

Q. I ordered the SKU E5Y35AAE — HPE OV 3yr 24x7 Supp Flex E-LTU. When and how I will receive my license key(s)?

A. After the HPE order is shipped, you will receive an email from HPE titled: "HPE Software Delivery Receipt".

This email will include the following statement "This information represents your receipt and entitlement to the products listed below. Please retain this receipt for your records".

In this email click on **Access Your Products**. This will take you to myenterpriselicense.hpe.com/cwp-ui/auth/login. After you log in with your **HPE passport** you can **Activate** the EON to get the HPE OneView license key(s).



Update

Q. How can I check if my HPE OneView appliance is ready for update?

A. Run the HPE OneView Update Readiness Checker prior updating HPE OneView. The HPE OneView Update Readiness Checker evaluates the appliance health to update to the next HPE OneView version. The update readiness checker looks for a known set of conditions prior proceeding with an appliance update and is supported on HPE OneView 4.2 and newer. New checks are frequently added, and the latest version of the update readiness checker can be found at hpe.com/support/ov-urc.

Q. What is an HPE OneView milestone release?

A. A milestone release is a release that is prerequisite prior to updating to a following release. Subsequent releases require updating to this version before updating beyond it.

Q. Why do I have to update to a milestone release?

A. This release is a necessary step and prerequisite prior to updating to the next release.

Q. How will I learn about which HPE OneView releases are designated a milestone release?

A. Communication about the HPE OneView update path and milestone releases will be posted on the [HPE OneView lifecycle page](#) and in the [release notes](#).

Q. Will HPE Synergy Composers and the HPE OneView virtual machine appliance have different milestone releases?

A. No, milestone releases will be the same for both HPE Synergy Composer and the virtual machine appliance.

Q. How long does it take to update HPE OneView?

A. The update time for each HPE OneView release is published in the release notes at hpe.com/support/OneView-RN.

Q. What is image-based update process?

A. All updates to HPE OneView 6.0 and newer will use an image-based update process, which will deliver faster and more reliable updates. With the new image-based update process, a new image is installed to replace the prior image. The new process removes the potential risk of failure involved in updating all the individual components as previously seen in prior updating process.

Q. What is an LTS release?

A. An HPE OneView long-term support (LTS) release extends support for select HPE hardware platforms. This LTS release may be patched to address security and other customer identified critical issues. A patch to an LTS release will not contain new features.

If you continue to use these EOL hardware platforms or devices, you must remain on the specified HPE OneView LTS release. Those platforms will remain supported until their associated software end-of-support-life (EOSL) date. An attempt to update from an LTS release to a newer release with end-of-life (EOL) hardware platforms or devices is blocked. If you want to update to a future release, then you must remove the EOL platforms. The LTS support period is defined on [HPE OneView Software lifecycle page](#).

Q. How long does HPE OneView support HPE ProLiant and HPE Synergy systems integration with third-party software and hardware components?

A. HPE OneView supports third-party software and hardware component integrations with HPE ProLiant and HPE Synergy systems until the third-party official End-of-Support (EOS) date. In some cases, HPE OneView continues to support these integrations after their EOS date as long it is technically feasible. In most cases HPE OneView supports an alternative integration to a component that is supported by the third party, e.g., BNA to Brocade FOS REST API.



Q. My HPE OneView 6.6 appliance manages some LTS legacy platforms. How can I easily update it to release 8.0?**A. Update from HPE OneView 6.6, 6.60.01, and 6.60.02 (without LTS legacy platforms) to HPE OneView 8.0.**

You can update to HPE OneView 7.0 and then update to HPE OpenView 8.0.

Update from HPE OneView 6.6, 6.60.01, and 6.60.02 (with LTS legacy platforms) to HPE OneView 8.0.

You cannot update an HPE OneView 6.60.02 LTS appliance monitoring or managing legacy platforms. You must either:

Remove the LTS legacy platforms from the HPE OneView 6.60.02 appliance and update to the 7.0 (Milestone release), and then to 8.0.

If you are unable to remove the LTS legacy platforms from the HPE OneView 6.60.02 appliance:

Deploy a new HPE OneView 8.0 appliance.

Use the Server Migration feature to migrate supported server platforms and associated resources.

Q. How can I easily migrate servers from one HPE OneView 8.4 appliance to another HPE OneView 8.4 appliance?

A. You can use the previously described feature to migrate HPE ProLiant servers and HPE Apollo systems Gen8 and later from one HPE OneView appliance 7.0 to another.

Server**Q. What server platforms are supported by HPE OneView?**

A. Please refer to HPE OneView Support Matrix for a list of supported platforms. The support matrix is available at hpe.com/support/OneView-SM.

Q. Can I create a template from an existing profile?

A. Yes, with HPE OneView, a user can create a template from an existing profile.

Q. Does HPE OneView support granular access control?

A. Yes, HPE OneView supports Scope Based Access Control (SBAC) that extends the role-based access control by restricting a role (e.g., Server, Storage, or Network Admin) to operate only on a subset of resources managed by the appliance. Additionally, GUI Restricted Scope Filtering provides HPE OneView administrators the ability to restrict access of various users to see only a subset of resources managed by the appliance. This feature only limits access in the GUI. It does not limit access via the API.

Q. What is two-factor authentication and is it supported by HPE OneView?

A. Yes, HPE OneView support two-factor authentication using X.509-based smart cards such as those supporting the Common Access Card (CAC) and Personal Identity Verification (PIV) card standards.

Additional, HPE OneView supports two-factor authentication when communicating to HPE iLO 5 Gen10, including HPE iLO 5 strict two-factor modes where the use of the plain user names/password authentication is disabled.

Q. What is an SPP?

A. The HPE Service Pack for ProLiant (SPP) is a comprehensive ISO image package that includes firmware, drivers, and tools for [HPE ProLiant servers](#) and infrastructure, including a broad range of multigenerational HPE ProLiant servers. Moving forward, an SPP will be the term associated with the HPE OneView Appliance version which supports HPE ProLiant rack servers and HPE BladeSystem.

Q. What is an HPE SSP?

A. An HPE SSP is a new firmware and driver bundle naming convention for HPE Synergy. The term HPE SSP means HPE Synergy Service Pack and contains the firmware, drivers, and tools for HPE Synergy.

Q. Does HPE OneView use SPP/SSP to update the firmware and driver of servers?

A. Yes, HPE OneView uses the SPP/SSP to distribute updates and leverage System Update Manager or SUM.

Q. Does HPE OneView support external repository to store SPP/SSP?

A. Yes, HPE OneView supports external firmware repositories whose size is limited only by the space available on the remote web server.



Q. Can you schedule the activation of firmware and OS driver updates?

A. Yes, with HPE OneView you can schedule the reboot, which will activate the firmware and OS drivers. This feature is supported for Windows, Linux®, and VMware ESXi™. Significantly reduce or eliminate downtime for updates with orchestrated rolling cluster updates, online BIOS, and firmware updates for HPE ProLiant, and secure HPE iLO repository offline updates. This schedule can be cancelled or rescheduled as needed.

Q. Does HPE OneView allow online profile configuration changes?

A. HPE OneView allows users to perform profile configuration changes while the server is powered on. When updating an inconsistent server profile from the template, automatic updates can be staged if the server is powered on. At the next power off initiated from HPE OneView, the user is informed of the update and can either allow the update or postpone the update. Please [refer to HPE OneView documentation](#) for more details.

Q. What tools does HPE OneView use for Firmware and Driver updates?

A. Keeping server firmware and drivers updated can be a daunting task. HPE OneView is an Infrastructure Management tool, which automates complex activities and leverages many of the tools that HPE customers are familiar when updating firmware and drivers. Products like the HPE Service Pack for ProLiant (SPP), System Update Manager (SUM), System Update Tool (SUT), and Agentless Management Service (AMS) are used by HPE OneView. While HPE OneView orchestrates the sequencing and installation of firmware and drivers, it relies on these HPE tools, which operate in the background determining which components to install, understanding their dependencies, installation order and providing status. Updating firmware and drivers manually is time-consuming task but HPE OneView removes the complexity required for updating servers.

Q. How does HPE OneView handle Firmware and Driver updates?

A. The update process HPE OneView utilizes is different between generations of servers (Gen8/9/10) as the update capabilities of the hardware are different. With HPE ProLiant Gen10 and HPE iLO 5, HPE introduced online firmware updates, which allows for firmware and drivers to be pushed to the HPE iLO NAND for installation in real time improving the total server firmware update time required. Keep in mind that some firmware and/or drivers still require a server reboot to activate (i.e., BIOS firmware, or NIC driver), so it's important to understand the implications of updating a server in production. Using HPE OneView with HPE ProLiant servers, you can schedule updates to occur immediately, at a scheduled time or during next maintenance window. Updating firmware and drivers on HPE ProLiant Gen8/9 and HPE iLO 4 utilizes SUT to push and install updates via a different process, which can take longer.

Q. Does HPE OneView support configuration of HPE iLO settings?

A. HPE OneView supports configuration of certain HPE iLO settings as part of the Server Profile and the Server Profile Template such as setting the HPE iLO hostname and configuring drive encryption as supported by HPE iLO.

Q. What is maintenance mode?

A. When a server is placed into maintenance mode, email alerting is suppressed for just that resource, until the administrator manually disables the mode. Any events that happen when the server resource is in maintenance mode will be lost, and not received externally. Maintenance mode is useful to disable notifications that occur during routine tasks, such as rebooting a server.

Q. Does HPE OneView support multiselect servers for maintenance mode?

A. Administrators can now use common multiselect techniques — CTRL or Shift and select — to quickly enable or disable maintenance mode for multiple servers at the same time. This reduces the need to individually set this setting on multiple server hardware resources.

Q. Can I view DIMM inventory with HPE OneView?

A. HPE OneView provides GUI views of memory DIMM slots with status of empty or populated for Gen10 systems. Memory DIMMs populated include details on memory size/type/part number information.

Q. Does HPE OneView support IPv6?

A. HPE OneView can now support a pure IPv6 environment. The appliance no longer requires an IPv4 address to be configured to the management interface. Infrastructure components, like HPE iLO, can be configured for IPv6, either SLAAC, DHCPv6 or static assignment, and HPE OneView will utilize that address for monitoring and management. HPE OneView Remote Support now actively supports IPv6 connectivity to HPE's data collection back end.

Q. Does HPE OneView provide firmware compliance checking?

A. HPE OneView provides an innovative concept for managing firmware compliance at scale for all Gen9, Gen10, and Gen10 Plus servers (racks included) as well as shared infrastructure for HPE BladeSystem and HPE Synergy. This new approach provides a quick and easy way to identify critical security updates at scale. This feature automates compliance reporting and helps protect against configuration drift (which ensures configuration consistency across the infrastructure). Additionally, this feature allows the user to apply various filter views and export into Excel and CSV formats.



Q. Does HPE OneView display the OS name?

A. HPE OneView now supports display of the server operating system name and version within the server hardware details screen and via the HPE OneView API. The OS field is also searchable using plain text like “Windows”, or from the server hardware page using the keyword “operatingSystem”.

Q. How can I view the HPE iLO license type on a server?

A. The license type currently installed on the HPE iLO is now available on the server hardware details screen and available in the HPE OneView API. The license field is also searchable using plain text like “HPE iLO Advanced”, or from the server hardware using the keyword “mpLicenseType”. For example, to search for all HPE iLO with no license, go to the server hardware page and enter “mpLicenseType:” in the search box.

Q. If driver components are not compatible with the newer firmware, will HPE OneView apply those firmware components, which have a dependency on newer drivers?

A. With the latest release, HPE OneView installs the required new drivers on the first attempt and then re-runs the update to install the firmware that could not be installed on the first run. This feature also retries components that may have failed due to a transient error on the first run.

Q. Does HPE OneView recognize the HPE iLO Server Critical Fault event?

A. HPE OneView Remote Support will now recognize the HPE iLO Server Critical Fault event and will create a case at the HPE data center.

Q. Is there a test to verify server connectivity to HPE data center?

A. A new test feature is available to verify systems’ connectivity to the HPE data center. Any HPE iLO 4 and HPE iLO 5 based HPE ProLiant server has the option through the HPE OneView Remote Support page to send a test event to the HPE data center to confirm connectivity. The test event will generate a case for confirming end-to-end connectivity, thus ensuring that subsequent service events from the system will be able to generate a support case.

Q. Does HPE OneView support graceful shutdown for HPE Superdome Flex systems?

A. The latest release of HPE OneView adds the option for the graceful shutdown of an HPE Superdome Flex server when powering down a partition. Previously, only a hard shutdown was available. Note that the operating system running on the partition needs to support responding to the shutdown signal for this to work.

Q. Does HPE OneView support Secure boot for HPE Superdome Flex systems?

A. Yes, HPE OneView supports Secure boot for HPE Superdome Flex systems through the server profile. Secure boot can now be enabled or disabled from the server profile.

Q. How is HPE OneView licensed for HPE Superdome Flex systems?

A. SKU R4P95AAE HPE OV SD Flex 3yr 24x7 E-LTU is required for HPE OneView Advanced license. This SKU is also required for HPE OneView Standard, or/and HPE OneView Advanced support. This is licensed per chassis, so may need to purchase more than one depending on the system configuration.

Q. How can I view my Remote Support alerts?

A. The HPE OneView dashboard now includes a new Remote Support Alerts bar chart that helps you view your devices’ Remote Support tickets (cases) and Remote Support notices. The new bar chart enables the customer to view tickets that remain open for their HPE OneView monitored and managed devices, tickets that have been closed, and Remote Support Notices for which there are recommended actions that do not have a corresponding ticket at the HPE data center.

Q. How can I easily identify a server location in Remote Support tickets?

A. HPE OneView includes rack location information in the Remote Support tickets and email notification, which helps identify which server needs attention and locate that device more conveniently.

Q. Can HPE OneView provide SSD wear status information?

A. Yes, starting with HPE OneView 5.4, HPE OneView provided the ability to display the SSD wear status from the storage section of the Server Hardware page. In HPE OneView 5.3 we provided the ability to pull SSD wear status information from the API. SSD drive wear information is only available for Gen10 and above servers.

Q. What happened to HPE OneView monitoring of IML alert?

A. Responding to customer feedback, starting with HPE OneView 6.0, we changed the refresh behavior to no longer create an alert that there are messages within the IML and to go examine it. HPE OneView already collects alerts that would have been populated within the IML.



Q. Does HPE OneView Remote Support check for connectivity from the appliance to the managed servers?

A. HPE OneView Remote Support checks connectivity from the appliance to the managed servers via communication with the server HPE iLO. This new weekly check ensures that connected devices can create support cases successfully.

If the appliance determines that it is unable to reach the managed server HPE iLO, the task status reflects the failed attempt, and an alert is generated.

Q. Does HPE OneView alert users when a new HPE Service Pack for ProLiant (SPP) or HPE Synergy Service Packs (SSP) is released?

A. HPE OneView provides an option for users to receive notifications when a new HPE Service Pack for ProLiant (SPP) or HPE Synergy Service Packs (SSP) is released. Within the user interface (UI) you can opt to receive connected notifications from HPE. Additional details about the release are also included in the UI to help you make an informed decision about updating. A direct link to the HPE portal for downloading the content is also available from within the UI.

Q. Can I speed up firmware downgrade time?

A. Users can downgrade firmware version without the force option turned on. HPE OneView using the installation policy option re-installs firmware only for devices which have newer firmware versions than baseline. As a result, it significantly reduces the time it takes for the downgrade operation.

Q. Does HPE OneView offer the ability to distribute an SPP to servers without a profile?

A. Yes, HPE OneView offers the ability to deploy a generally distributed or custom SPP to a server without the need to create/deploy a server profile. With this enhancement HPE OneView Standard enables only basic software deployment and requires an HPE iLO Advanced license. No firmware compliance checking is performed for firmware updated outside a profile.

Q. Can users utilize special characters in user name or password when they use an external repository?

A. When users use an external repository for firmware updates they can utilize most special characters in either the user name or password.

Q. Is HPE OneView support for HPE ProLiant Gen11 servers based on Redfish?

A. Yes, HPE OneView support for HPE ProLiant Gen11 servers is provided entirely via Redfish, no legacy APIs used for Inventory, Events, or Configuration.

Q. Are there any differences in alerting between Gen11 and pre-Gen11 HPE ProLiant servers managed by HPE OneView?

A. HPE OneView uses DMTF Redfish Events schema 1.3+ for HPE ProLiant Gen11 servers monitoring and management. So, there are differences in the alerts and the alerts descriptions and resolutions between pre-Gen11 and Gen11 servers.

Q. Can users update firmware online for server hardware without using a server profile?

A. HPE OneView 8.2 supports firmware and drivers online updates for servers in monitored or managed mode either through HPE OneView GUI or HPE OneView REST API. For servers in monitored mode, you need an HPE iLO Advanced license. HPE OneView 8.1 or earlier versions support only offline firmware updates.

Q: Does HPE OneView support HPE ProLiant RL300 Servers?

A. Yes, HPE OneView supports HPE ProLiant RL300 Gen11 Server Inventory and Monitoring only.

Q. What are the benefits of inventory-based firmware updates?

A. If a user enables the check for updates feature in HPE OneView, the discovered updates can be used for selection as a baseline during firmware update on server hardware.

Selecting an update for the baseline results in an inventory-based firmware download approach, where HPE OneView will connect to HPE and directly download just the components that are needed to update the server.

(Support for HPE ProLiant Gen10 and later server hardware only)

Q. Does HPE OneView support the newly renamed models HPE Alletra Storage Server 4110 and 4120 (previously known as HPE Alletra 4110 and 4120)?

A. Yes, HPE OneView release 8.6 and later support HPE Alletra Storage Server 4110 and 4120.



Storage

Q. Does HPE OneView support HPE Nimble Storage?

A. HPE OneView automates HPE Nimble Storage volume provisioning via server profiles, server profile templates, volume templates, or standalone volumes. This capability adds iSCSI storage path configuration from servers to HPE Nimble Storage volumes for boot, private data, or shared data volumes. HPE Nimble Storage Fibre Channel is also supported. This feature provides automated Fibre Channel (FC) SAN storage volume provisioning for HPE Nimble Storage systems. HPE OneView delivers both iSCSI (v4.2 release) and Fibre Channel (v5.0 release) support for HPE Nimble Storage provisioning. Utilizing HPE OneView server profiles, users can automatically zone the FC fabric and provision HPE Nimble Storage volumes. Refer to hpe.com/storage/spock for interoperability and support requirements.

Q. If Flat SAN is used, can you see FC bandwidth usage data?

A. If SAN direct attach is used, you can use the HPE VC uplink port utilization to see the FC bandwidth used. Improvements to end-to-end SAN fabric utilization, troubleshooting, and diagnostics are planned for a future release. This is supported with HPE 3PAR StoreServ, HPE Primera, and HPE Nimble Storage systems.

Q. What is the HPE OneView support for Brocade FC ICM?

A. The Brocade FC interconnect module is unmanaged as an interconnect module in HPE OneView; however, HPE OneView will manage it as part of the SAN fabric for auto-zoning when using managed SAN storage. HPE OneView will not configure the downlinks from the ICM to the server.

Q. What can I use for Brocade SAN automated zoning now that Brocade has initiated the end-of-life (EOL) process for BNA?

A. To manage Brocade SANs, HPE OneView supports the Brocade FOS Switch that utilizes the new Brocade FOS switch REST API to manage Brocade SAN with the similar auto-zoning capabilities as BNA-based management.

Q. Does HPE OneView support automated volume provisioning?

A. Yes, HPE OneView supports profile-driven automated volume provisioning on HPE 3PAR, HPE Primera, and HPE Nimble Storage systems.

Q. Does HPE OneView support automated SAN Storage volume provisioning for HPE DL/HPE Apollo servers?

A. Yes, HPE OneView provides the ability to provision and automatically zone Fibre Channel storage for HPE DL and HPE Apollo servers. Utilizing HPE OneView server profiles, users manually enter HBA WWPNs in the profile and HPE OneView will automatically zone the FC fabric and provision HPE Nimble Storage or HPE 3PAR storage volumes. This is data volume only.

Q. Does HPE OneView support automates SAN data volume provisioning of HPE DL/HPE Apollo servers over iSCSI networks?

A. The latest release of HPE OneView provides automated server profile SAN data volume provisioning and attachment with HPE DL/HPE Apollo servers over iSCSI networks in network set connections to HPE Nimble Storage arrays (data volumes only).

Q. Does HPE OneView support Brocade SAN storage?

A. Yes, HPE OneView supports auto-zoning on Brocade SANs. This can be done via BNA or HPE OneView communicating directly with the switches using the FOS SAN manager.

Q. Does HPE OneView support load balancing for HPE 3PAR, HPE Primera, HPE Nimble Storage systems, HPE Alletra 6000, and HPE Alletra 9000?

A. HPE OneView supports SAN volume attachment configuration path load balancing across HPE Primera/HPE 3PAR/HPE Nimble Storage/HPE Alletra 6000 and HPE Alletra 9000 nodes and couplets for “best practice” fault tolerance auto-configuration of paths. The customer benefit of this capability is it allows customers to create and assign server profiles from a single Server Profile Template with SAN storage (boot and data), and their volume attach path configuration will automatically be load balanced across the SAN and storage system resources.

Q. Does HPE Nimble Storage support mixed protocol array (FC + iSCSI ports)?

A. HPE OneView now supports HPE Nimble Storage 5.1 mixed protocol storage capabilities. Specifically, HPE OneView now supports HPE Nimble Storage 5.1 multiprotocol leveraging both FC and iSCSI ports on a single storage array. Customers can use the protocol that best addresses their use case based upon the volume’s usage. Servers can be configured to access storage using both protocols at the same time. In addition, storage systems can be configured to serve storage using both protocols at the same time.



Q. Does HPE OneView support FC+NVMe protocols?

A. Starting release 8.4, HPE OneView supports FC+NVMe protocols.

Q. Does HPE OneView manage local storage on HPE ProLiant rackmount servers with HPE Smart Array and SmartRAID (SR) controllers and MR Controllers?

A. Yes, HPE OneView supports local storage on HPE ProLiant rackmount servers with HPE Smart Array and SmartRAID (SR) controllers and MR Controllers with PCIe, OCP, and AROC form factors.

Networking and HPE Virtual Connect**Q. Can I do a migration from the HPE Virtual Connect Manager to an HPE OneView environment without the need to power off servers?**

A. Yes, HPE OneView supports migration of HPE Virtual Connect Manager to HPE OneView without the need to power off servers. Customers are encouraged to complete their migrations, as this feature may not be included in future HPE OneView releases.

Q. How many FlexNIC/FlexHBA per port does the FlexFabric support in HPE OneView?

A. HPE OneView supports eight physical functions. [Refer to HPE OneView Support Matrix](#) for more information regarding capable adapters.

Q. Does HPE OneView support the LACP on s-channels?

A. LACP on s-channels (HPE Synergy only) — when combined with MLAG on uplink ports, provides true end-to-end link aggregation from the compute node to the upstream network infrastructure.

Q. What is an Active/Active configuration?

A. Smart Link and non-redundant configurations — For HPE VC on HPE c7000, an Active/Active configuration is an Ethernet network configuration that allows active traffic on the same VLAN to egress multiple HPE VC interconnect modules and provides full use of all uplink ports (no uplink port in standby mode), doubles the available bandwidth while maintaining redundancy.

Q. Does HPE OneView support downgrading the HPE VC interconnect LI without forced option?

A. HPE OneView provides now enhanced customer experience by providing customers the ability to downgrade LI/HPE VC interconnect firmware without forced option. This enhancement allows customers to update or downgrade any version of an interconnect firmware, where the interconnect is not configured, without having to use the force option.

Q. How does HPE OneView work with HPE switches? What can be done today in terms of management and configuration?

A. HPE OneView and HPE Virtual Connect are compatible with HPE upstream switches. HPE OneView does not actively monitor or manage HPE upstream switches at this time.

Q. Does HPE OneView support Cisco ACI integration?

A. Yes, HPE OneView provides HPE Synergy customers enhanced customer experience by providing a single point of automation and management for the Cisco ACI fabric, policy enforcement, and health monitoring of the network. This integration provides centralized application-level policy engine for physical, virtual, and cloud infrastructures and detailed visibility, telemetry, and health scores by application and by tenant.

Q. How can I easily configure FC connections for HPE ProLiant servers and HPE Apollo systems?

A. With the latest HPE OneView enhancements users can configure FC connections for server profile and template for HPE ProLiant servers and HPE Apollo systems Gen10 and Gen10 Plus by specifying the installed PCIe slot of FC HBA and a port number.

Q. Does HPE OneView support HPE Alletra 9K FC-NVMe storage?

A. Yes, starting with release 8.4 HPE OneView supports HPE Alletra 9K FC-NVMe storage.



Partner integrations

Q. What is HPE Composable Ecosystem Program?

A. HPE OneView customers can now transform their infrastructure, compose every workload, and connect from core to cloud more easily by leveraging the integrations HPE has with composable ecosystem partners such as Morpheus Data, Red Hat®, and HashiCorp. This growing list of automation partners is taking advantage of the unified API in HPE OneView, providing businesses with a wide range of tools, including Ansible by Red Hat, PowerShell, Python, Terraform, and VMware vRealize® Orchestrator™. HPE is continuing to work with ISV partners to further enhance and expand the HPE Composable Infrastructure Partner Program.

By integrating with the unified API in HPE OneView, ISVs can provide solutions that reduce the time their customers spend managing their environments. For more information, please refer to hpe.com/info/composableprogram.

Q. What Microsoft plug-ins are supported with the latest HPE OneView release?

A. HPE OneView for Microsoft System Center is a collection of extensions that expose HPE management features within the context of the System Center consoles (System Center Virtual Machine Manager [SCVMM], System Center Operations Manager [SCOM], and System Center Configuration Manager [SCCM]). This integration provides functionality such as comprehensive system health and alerting, driver and firmware updates, OS deployment, detailed inventory, enhanced provisioning (integrated with HPE OneView server profiles), and HPE fabric visualization. HPE OneView for Microsoft System Center integration includes SCVMM capabilities for server-profile-based deployment and cluster expansion, cluster and HPE 3PAR storage views. More information can be found at hpe.com/products/ovsc.

HPE OneView for Microsoft Azure Log Analytics provides a bridge between Microsoft cloud management services and HPE hardware infrastructure. It allows you to manage on-premises HPE infrastructure with the same Microsoft tools used for cloud services. HPE OneView for Microsoft Azure Log Analytics brings visibility of the underlying HPE infrastructure, including hardware and firmware inventory, infrastructure health and status, and long-term event correlation and trend analysis. Data is automatically collected from HPE OneView and processed using the Azure Log Analytics engine running in the Azure public cloud.

HPE OneView extension for Windows Admin Center provides server inventory, health status, firmware, and driver monitoring, as well as network inventory management of HPE ProLiant and HPE Synergy servers, including HPE OneView server profiles and HPE Virtual Connect networking. More information can be found hpe.com/us/en/alliance/microsoft/ws-admin-center.html.

Q. What VMware plug-ins are supported with the latest HPE OneView release?

A. HPE OneView for VMware vCenter®, VMware vRealize® Operations Manager™, and VMware vRealize® Log Insight™ seamlessly integrates the manageability features of HPE Synergy, HPE ProLiant, HPE BladeSystem, and HPE Virtual Connect with VMware solutions. This provides deep insight and control of virtualized HPE Converged Infrastructure environments while reducing the time it takes to make important changes, increasing capacity or manage planned and unplanned downtime. VMware vCenter Operations Manager and Log Insight integrations deliver powerful analytics and deeper troubleshooting tools to your VMware administrators.

HPE OneView for VMware vRealize Orchestrator helps customers automate complex IT tasks in an extensible and repeatable manner. It provides a predefined collection of HPE tasks and workflows that can be used in vRealize Orchestrator (vRO), with easy-to-use, drag and drop access to automation of HPE OneView managed hardware deployment, firmware updates, and other lifecycle tasks. HPE OneView for VMware vRealize Orchestrator allows the advanced management features of HPE OneView to be incorporated into larger IT workflows. HPE OneView workflows and actions can also be integrated in VMware vRealize® Automation™ via vRealize Orchestrator.

Q. How are the partner integrations licensed for VMware and Microsoft?

A. Partner integrations are licensed with both HPE OneView and HPE Synergy. Basic functionality for monitoring and health are supported with HPE OneView Standard licenses. All other advanced functionality requires HPE OneView Advanced licenses.

HPE OneView remote technician

Q. Does HPE OneView Remote Technician require Remote Support?

A. No, HPE OneView Remote Technician works through a different secure communication channel to HPE and does not require Remote Support to be enabled.

Q. Is there a charge for HPE OneView Remote Technician?

A. No, all you need is a warranty or support contract. This is needed to open a support case. There is no charge for HPE OneView Remote Technician.



Q. Is a support case required for HPE OneView Remote Technician?

A. Yes, a support case is needed to log details of your issue.

Q. Do I need to add firewall rules?

A. For HPE OneView Remote Technician, the TLS connection uses port 443. A Proxy server is required for HPE OneView Remote Technician until a future release. There should be no restrictions on the proxy or firewall, which will block traffic to the DNS a record (midway.ext.hpe.com/home/) or to any of the IP addresses of the 7 production midways. (Some customers may have rules restricting traffic only to specific hostnames and not to IP address.)

Q. Can I time-box access? Does it time out?

A. Currently, it's not possible to set a time limit on a session. This is being considered for a future release. You can terminate a session at any time from within HPE OneView.

Q. Will the access be tracked and audited — what somebody did to what resource at what time?

A. Once the HPE OneView Remote Technician has logged into your HPE OneView instance, all their actions will be recorded in the audit log just as they would with any of your employees.

Q. Will keystrokes be captured?

A. The only auditing available today is via the standard audit log.

Q. What is the benefit of this versus using HPE MyRoom for screen sharing?

A. With HPE OneView Remote Technician, you don't have to be present or involved. You can allow your trusted technician, subject to your security authorizations/policies, to troubleshoot and resolve issues while you get on with meetings or while it is after hours for you. The technician can quickly reproduce issues in your HPE OneView instance, as they are actually experiencing the issues for themselves.

Q. Does HPE OneView Remote Technician make it easier to provide support dumps and logs?

A. Yes, the Technician can get the support dump and logs directly from your HPE OneView instance, saving you from having to go through that process.

Q. Is this technology unique to HPE OneView — how mature is it? How many people are using it?

A. No, this technology has been in use for many years for other HPE products including HPE StoreServ products.

Q. Will HPE OneView Remote Technician be available for HPE Image Streamer?

A. This is planned for a future release.

Q. Is there an option to terminate HPE OneView Remote Technician if something is amiss?

A. Yes, within HPE OneView there is an option for the customer to immediately disconnect an HPE OneView Remote Technician session.

HPE OneView Global Dashboard**Q. What is HPE OneView Global Dashboard?**

A. HPE OneView Global Dashboard provides a unified view of health, alerting, and key resources managed by HPE OneView across multiple appliances and data center sites.

Q. What is the replacement for HPE OneView Global Dashboard?

A. HPE OneView Global Dashboard replacement is HPE GreenLake for Compute Ops management — HPE OneView Edition. HPE has created a new service, called HPE GreenLake for Compute Ops Management — HPE OneView Edition, that will allow customers to have a cloud experience for their HPE OneView instances from within HPE GreenLake platform. This add-on subscription service aggregates connections to locations running HPE OneView appliances and provides customers with a centralized, cloud-based console for multi-site management support, with enhanced appliance configuration consistency, reporting, analytics, and support automation.

HPE OneView instances must be running at a minimum of version 8.4 Platforms supported (within HPE OneView support matrix):

- HPE ProLiant — Gen8 and newer
- HPE Synergy — Gen9 and newer
- HPE Apollo — Gen9 and newer
- HPE Superdome Flex and newer



To use HPE GreenLake for Compute Ops Management — HPE OneView Edition, a subscription must be purchased. SKU = SOP96AAE HPE GreenLake for Compute Ops Management — HPE OneView Edition (available to order in August).

- The Subscription is:
 - Licensed per server device
 - Initiated with a minimum commit for billing
 - Priced on the number of devices that you license for connection to COM — HPE OneView Edition
 - Billed monthly with 1/3/ 5-year term payment
- Additional server devices added during the month, above the minimum, are billed within a consumption model — monthly usage above the minimum

Q. What is the Lifecycle of HPE OneView Global Dashboard?

A. HPE OneView Global Dashboard release 2.8 will be the last HPE OneView Global Dashboard release.

HPE OneView Global Dashboard will not be enhanced with new functionality nor new releases after release 2.8.

HPE OneView Global Dashboard will be in support phase until November 1, 2024. During this time critical bug fixes and security fixes will be delivered if/as needed.

HPE OneView Global Dashboard 2.8 will be qualified to support all HPE OneView releases that will be introduced until November 1, 2024 and will be documented on support.hpe.com/hpesc/public/docDisplay?docId=a00118708en_us.

This support will not include:

- New HPE OneView features
- New hardware supported by HPE OneView
- New OS versions

HPE OneView Global Dashboard EOS (End-of-Support) date is November 1, 2024. After this date, there will be no engineering support nor fixes will be delivered for vulnerability or serious issues.

Other

Q. Are license upgrades available from HPE Insight Management software to HPE OneView Advanced?

A. Upgrades to HPE OneView Advanced are available from HPE iLO Advanced, with the expectation that the user has maintained current HPE product support (TS&U).

Q. What support and services are available for HPE OneView?

A. The HPE Support Center is a personalized online support portal with access to information, tools, and experts to support HPE business products. Submit support cases online, chat with HPE experts, access support resources or collaborate with peers. Learn more hpe.com/support/hpesc.

HPE Support Center Mobile App¹ allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime.

HPE OneView Remote Support and HPE Support Center are available at no additional cost with an HPE warranty, HPE Support Service, or HPE contractual support agreement.

¹ HPE Support Center Mobile App is subject to local availability. For more information: hpe.com/services.



Frequently asked questions

Q. How do I get training on HPE OneView?

A. HPE Education Services

HPE OneView eLearning and (face-to-face or virtual) instructor-led training from HPE Education Services includes a broad range of courses that help customers develop skills on their journey to composable solutions. The simplest way to add training to any quote is to use HPE Education Technology Training Credits (Solution brief) where HF385E/A1 HPE Training Credits for Servers/Hybrid IT Services equates to one day of open-scheduled training for one student, or typically 8 hours of eLearning. Training credits can be combined for multiple days, multiple students, and multiple courses including the following: HPE OneView eLearning and (face-to-face or virtual) instructor-led training from HPE Education Services includes a broad range of courses that help you develop skills on your journey to composable infrastructure:

HPE OneView Overview and Configuration for HPE Synergy (course # H0LP6AAE) is a two-hour online course that demonstrates key solution elements to help you get started.

Installing HPE OneView (course # H9TS6AAE) is a four-hour eLearning course with hands-on labs exercises. Students will be able to deploy the HPE OneView appliance on any of the three supported hypervisor hosts: VMware ESXi, Microsoft Hyper-V, KVM.

HPE OneView Administration (course # H4C04S or H4C04AAE) includes theory and practical hands-on access for learning how to perform day-to-day administration and troubleshooting tasks using HPE OneView. Students can study in either a three-day instructor-led course or with twenty-four hours of self-paced online learning.

HPE OneView for HPE ProLiant DL/ML servers (course # H9TR9S or H9TR9AAE) gives students the knowledge and skills to deploy and configure HPE ProLiant servers in an HPE OneView environment using theory and practical hands-on learning. Students can study in either a one-day instructor-led course or with eight hours of self-paced online learning.

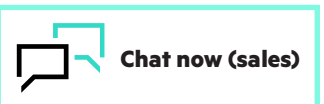
HPE Digital Learner subscriptions provide access to over 5000 hours of online content and labs on HPE technologies, the hottest industry topics and soft skills for personal development.

For more information, visit hpe.com/ww/learnconvergedsystems.

Learn more at

HPE.com/info/HPEOneView

Explore **HPE GreenLake** 



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