Overview

HPE OneView is your infrastructure automation engine to simplify operations, increasing the speed of IT delivery for new applications and services. Through software defined intelligence, HPE OneView brings a new level of automation to infrastructure management by taking a template driven approach to provisioning, updating, and integrating compute, storage, and networking infrastructure. Designed with a modern, standard-based API and supported by a large and growing partner ecosystem, HPE OneView also makes it easy to integrate powerful infrastructure automation into existing IT tools and processes.

Take command with HPE OneView to:
Deploy infrastructure faster: Template-based automation enables IT generalists too rapidly and reliably provision resources in response to application owner requirements.

Simplify operations: Agentless monitoring, online firmware updates, and a new Global Dashboard deliver streamlined lifecycle operations at scale.

Increase productivity: The unified API gives developers and ISVs the power to unify infrastructure automation with application and IT service delivery.

HPE OneView innovations provide you the industry's best infrastructure management experience, simplifying operations for HPE BladeSystem, HPE ProLiant DL and ML servers, HPE Apollo 2000, 4000 and 6000 servers, HPE 3PAR StoreServ and HPE StoreVirtual storage, HPE Networking and HPE ConvergedSystems. It is an essential ingredient in the HPE Hyperconverged 380 virtual machine vending environment and powers management for the industry's first composable infrastructure, HPE Synergy. By deploying HPE OneView today, you place your IT operations firmly on the path toward a composable future.

What has worked in the past isn't going to work in the future, as IT must now be able to support two operating environments.

- Traditional applications that are designed to support and automate existing business processes such as collaboration, data processing and analytics, supply chain, and web infrastructure.
- A new breed of applications and services which drive revenue and new customer experiences by leveraging Mobility, Big Data, and Cloud Native technologies.

IT is being stretched in traditional environments to lower operating costs while at the same time being stretched in the new application environment to increase operational velocity. A new architecture is needed- one that is designed to power innovation and value creation for the new breed of applications while more efficiently running traditional workloads. We call this new architectural approach Composable Infrastructure.

Deploy infrastructure faster

HPE OneView enables you to deploy infrastructure faster, saving valuable time and resources, using software-defined intelligence. IT specialists can create a catalogue of workload optimized infrastructure templates that allow IT generalists to rapidly and reliably provision and update compute, storage, and fabric resources in response to application owner requirements.
HPE OneView enables faster compute automation through server profile templates that rapidly provision physical, virtual, and containerized systems including BIOS settings, local RAID configuration, firmware baseline, shared storage, and connections to the LAN and SAN**i**. When it's time to make changes, the change can be specified in the server profile template and then rolled out to multiple systems simultaneously, ensuring consistency and reliability.

HPE OneView automation provisions storage volumes, zones the fiber channel SAN and attaches 3PAR StoreServ storage to the server profile. HPE OneView also proactively identifies SAN health issues from volume to target, which saves time and helps resolve SAN issues before they impact the business.

HPE OneView connects BladeSystem infrastructure to the network in minutes instead of hours or days by automating the creation of Virtual Connect Ethernet and Fibre channel connections as well as uplinks to the LAN and SAN. Integration with HPE Networking's Intelligent Management Center synchronizes HPE OneView network settings with the ToR switch, automating the

Overview

configuration of VLANs on the ToR switch. IMC keeps the ToR switch in sync with administrative changes made via OneView automatically, eliminating the need to manual changes

Simplify IT operations

As an IT organization, you want to spend less time managing hardware and more time defining and delivering IT services. HPE OneView simplifies lifecycle management across your entire infrastructure. Using a single interface, you can rapidly design, provision, monitor and update your IT resources.

The HPE OneView provides a simple, efficient and unified view of the health of servers, profiles and enclosures across multiple virtual and physical appliances through the Global Dashboard. It proactively monitors the health of your entire infrastructure at scale, alerting you of problems before they result in downtime. Managing up to 12,800 nodes and 20 HPE OneView appliances today and more in the future, the HPE OneView Global Dashboard helps IT staff troubleshoot alerts and view core inventory data across your HPE OneView managed environment. This means better infrastructure visibility and more informed, faster decision-making. Single sign-on puts you one click away from powerful, device-level lifecycle management, and removes the need to navigate between appliances.
 HPE OneView, keeps your infrastructure running at peak performance with minimal workload disruption. Infrastructure device drivers and firmware updates can be automated with the least possible impact to your production environment. Server profile templates used in combination with HPE Smart Update Tools enable updates to be staged, scheduled and installed. Changes to the templates are immediately reflected in profile compliance status, allowing you to quickly pinpoint systems that need attention and efficiently roll out updates. In addition, HPE OneView enables you to receive 24x7 monitoring, pre-failure alerts, automatic call logging and automatic parts dispatch through integrated remote support. HPE Proactive Care Services are also available to provide a personalized and proactive hands-on approach to maintaining an agile, healthy and reliable infrastructure

Increase productivity

With the unified API, you can extend the power of infrastructure automation to every aspect of the data center: virtualization, facilities, and cloud and application development.
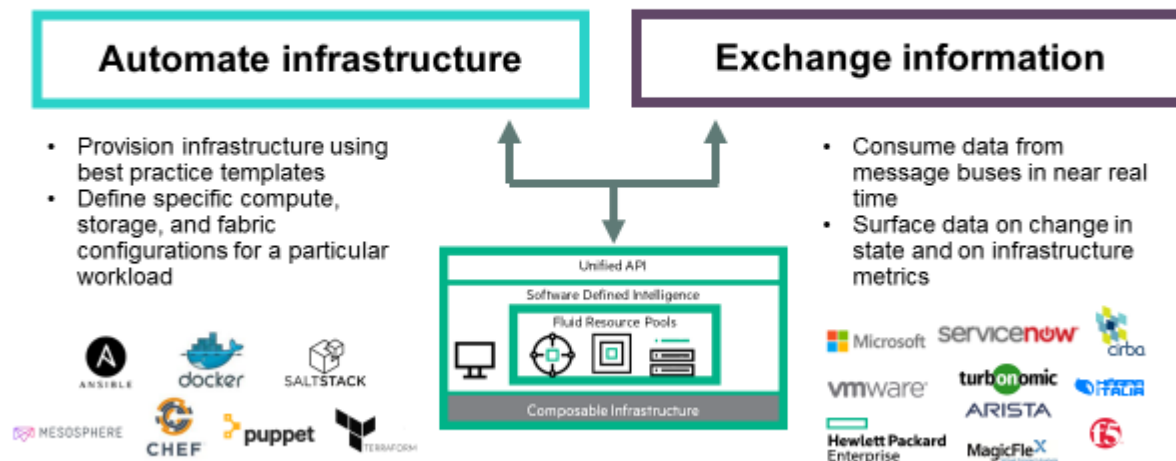
The HPE OneView unified API increases productivity by letting developers and ISVs automate infrastructure deployment and updates without requiring a detailed knowledge of how underlying hardware works. The API also surfaces performance, health, and configuration data to data center infrastructure management (DCIM) applications to ensure a unified view of infrastructure.

A growing list of ISV partners in our HPE Composable Ecosystem are taking advantage of the unified API in HPE OneView to automate your solutions. These partners range from large software suites like VMware® vCenter, Microsoft® System Center, to focused solution providers like Ansible, Arista, Chef, Densify.com, Docker, Eaton, F5, HarpA Italia, nLyte, Puppet, Schneider Electric, Terraform and many others. With integrations built by these partners, you no longer have to spend valuable staff time on writing, debugging, and updating custom scripts. HPE has also built-in integrations with key HPE analytic management tools that help you gain operational insight and optimize capacity across compute, storage and network resources.

Overview

The power of software-defined intelligence
API-driven integrations increase productivity

What's New with HPE OneView 3.1

Server

- Create template from profile enables the creation of a template based on a standard configuration profile
- Server Host Name provides the ability to surface up the server host name of a server from iLO when AMS is loaded on the server
- Extended server support includes full management support for Apollo 2000, 4000, 6000 and ML350 Gen9 servers. It also includes monitoring support for the rest of ML (except ML350 Gen 9) servers and monitoring support for Superdome X
- New *Server Firmware Operator* Role support enables firmware operator to update the SPP baseline in the profile but does not support making changes to other areas of profile such as BIOS, Boot Order or Connections.
- KVM management appliance support in addition to existing support for Microsoft HyperV & VMware ESX
- External SPP Repository provides the ability to create an external repository with web server, add multiple SPPs and serve multiple management appliances
- Scheduled FW deploy/reboot enables scheduling the date and time of firmware update from profile when using HP Software Update Utility
  .

Storage

- StoreVirtual managed volumes support provides the ability to support StoreVirtual Storage Systems and configure provision full/thin volumes from its storage pool

Overview

- iSCSI boot and data volume support enables server profile / SPT configuration of iSCSI SAN volume attach of StoreVirtual managed volumes
- 3PAR *Thin dedup* Support delivers inline, block-level deduplication without performance or capacity inefficiency tradeoffs

Integrated Remote Support

- Contract & warranty display enables the view for each device the type of support coverage (contract, warranty), SLA, and expiration date.

- Remote support enablement by device to turn remote support on/off at the device level rather than the appliance level.

HPE Composable Ecosystem Partner Integrations Partner Integrations

- Microsoft System Center integration provides support for Windows Server 2016, System Center 2016, HPE Synergy, Synergy Composer and OneView 3.1, as well as firmware and driver support from the latest SPP.

  VMware integration adds support for VMware vSphere 6.5, vRealize Operations Manager 6.5, and vRealize Log Insight 4.0. Rolling cluster remediation and cluster firmware updates and create/grow cluster using HPE OneView Server Profile Templates (including HPE Synergy Image Streamer).

What is new with HPE Global Dashboard 1.2

  Backup/Restore of the Global Dashboard set up. This includes information configured by users like logical groups and certificates
- Report customization by enabling sort and filter criteria provides easier access to needed data
- User Interface enhancements (improved device page layout, context sensitive help, etc.)
- Extended servers support to include ML350
- MS Edge Browser Support
- KVM support
- Scales up to 20 appliances and 14,800 servers
- New Reports (Converged Systems Available Capacity, Converged Systems Utilization)
- Appliance back-up and restore enables recovery in case of catastrophic failure downloaded and transferred to HPE support

Models

HPE OneView Advanced standalone licenses	**HPE OneView Advanced with iLO Advanced**	
	HPE OneView incl 3yr 24x7 Supp Phys 1 Svr Lic	E5Y34A
	HPE OneView incl 3yr 24x7 Supp Flex Qty E-LTU	E5Y35AAE
	HPE OneView incl 3yr 24x7 Supp Track 1 Svr Lic	E5Y36A
	HPE OneView Media Kit Phys No Lic	E5Y37A

NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive).

NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge.

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**

NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.

NOTE: Tracking licenses may only be purchased by customers that have implemented an Activation Key Agreement (AKA) with HPE. See **http://www.hpe.com/info/AKA**

HPE OneView Advanced standalone licenses	**HPE OneView Advanced without iLO Advanced**	
	HPE OneView without iLO incl 3yr 24x7 Supp Phys 1 Svr LTU	P8B24A
	HPE OneView without iLO incl 3yr 24x7 Supp Track1 Svr LTU	P8B25A
	HPE OneView without iLO incl 3yr 24x7 Supp Flex Qty E-LTU	P8B26AAE
	HPE OneView Media Kit Phys No Lic	E5Y37A

NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive).

NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge.

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**

NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.

NOTE: Tracking licenses may only be purchased by customers that have implemented an Activation Key Agreement (AKA) with HPE. See **http://www.hpe.com/info/AKA**

HPE OneView Advanced licenses for bundling with ProLiant DL servers	**HPE OneView Advanced with iLO Advanced (Server hardware required on same purchase order)**	
	NOTE: The following HPE OneView part numbers can only be used when ordered on the same order as a supported ProLiant DL server.	
	HPE OneView for ProLiant DL Server incl 3yr 24x7 Supp FIO Bundle Physical 1 Svr Lic	E5Y43A
	HPE OneView for ProLiant DL Server incl 3yr 24x7 Supp Bundle Track 1 Svr Lic	E5Y44A

NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive).

NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge.

Models

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**
NOTE: Tracking licenses may only be purchased by customers that have implemented an Activation Key Agreement (AKA) with HPE.
See **http://www.hpe.com/info/AKA**

HPE OneView Advanced licenses for bundling with ProLiant BL server blades	**HPE OneView Advanced with iLO Advanced (Server hardware required on same purchase order)** NOTE: The following HPE OneView part numbers can only be used when ordered on the same order as a supported ProLiant BL server blade.	
	HPE OneView for Blade Server incl 3yr 24x7 Supp FIO Bundle Physical 1 Svr Lic	F6Q89A
	HPE OneView for Blade Server incl 3yr 24x7 Supp Bundle Track 1 Svr Lic	F6Q90A
	NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive). NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge. NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView** NOTE: Tracking licenses may only be purchased by customers that have implemented an Activation Key Agreement (AKA) with HPE. See **http://www.hpe.com/info/AKA**	
HPE OneView Advanced licenses for bundling with ProLiant BL server blades or ProLiant DL servers	**HPE OneView Advanced without iLO Advanced (Server hardware required on same purchase order)** NOTE: The following HPE OneView part numbers can only be used when ordered on the same order as a supported ProLiant BL server blade, or as a supported DL ProLiant server.	
	HPE OneView for Server without iLO including 3yr 24x7 FIO Bundle 1 Server LTU	P8B31A
	NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive). NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge. NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**	
HPE OneView Advanced licenses for bundling with BladeSystem enclosures	**HPE OneView Advanced with iLO Advanced (c7000 enclosure required on same purchase order)** NOTE: The following HPE OneView part numbers can only be used when ordered on the same order as a BladeSystem c7000 enclosure.	
	HPE OneView incl 3yr 24x7 Supp Enclosure FIO Bundle Phys 16 Svr Lic	E5Y41A
	HPE OneView incl 3yr 24x7 Supp Enclosure Bundle Track 16 Svr Lic	E5Y42A
	NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive). NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge.	

Models

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**

NOTE: Tracking licenses may only be purchased by customers that have implemented an Activation Key Agreement (AKA) with HPE. See **http://www.hpe.com/info/AKA**

HPE BladeSystem c7000 enclosure bundled with HPE OneView Advanced licenses	HPE BLc7000 Platinum Enclosure with 1 Phase 6 Pwr Supplies 10 Fans ROHS 16 OneView Licenses	763850-B21

NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive).

NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge.

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**

HPE ProLiant Rack servers bundled with HPE OneView Advanced licenses	HPE DL580 Gen9 E7-8893v3 4P 256GB Svr	793314-B21
	HPE DL580 Gen9 E7-8890v3 4P 256GB Svr	793312-B21
	HPE DL580 Gen9 E7-4850v3 4P 128GB Svr	793310-B21
	HPE DL560 Gen9 E5-4640v3 128GB 4P Adv WW	741066-B21
	HPE DL380 Gen9 E5-2690v3 32G OV Perf2 Svr	803861-B21
	HPE DL360 Gen9 E5-2670v3 OneView Svr	795236-B21

NOTE: Server provisioning (via 'HPE Insight Control server provisioning') is licensed as part of HPE OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive).

NOTE: Full licenses of HPE OneView Advanced also provide the right-to-use HPE Insight Control without additional charge.

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at**http://www.hpe.com/downloads/OneView**

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**

HPE OneView Advanced upgrade licenses	**HPE OneView Advanced upgrade licenses from iLO Advanced, Insight Control, or VCEM**	

NOTE: For use in environments where iLO Advanced, Insight Control, or Virtual Connect Enterprise Manager (VCEM) is already licensed. Upgrades do not include iLO Advanced licenses.

	HPE OneView Upgrade from Insight Management incl 3yr 24x7 Supp Physical 1 Svr Lic	F6Q91A
	HPE OneView Upgrade from Insight Management incl 3yr 24x7 Supp Flex Qty E-LTU	E5Y45AAE

NOTE: Licenses ship without media. The HPE OneView Media Kit can be ordered separately, or can be downloaded at: **http://www.hpe.com/downloads/OneView**

NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.

HPE OneView Standard support license	HPE OneView Standard 1yr 9x5 Support Flex Quantity E-RTU	K6F98AAE

NOTE: HPE OneView Standard can be downloaded without additional charge at **http://www.hpe.com/downloads/OneView**

Models

NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.

| **HPE OneView for B22HP FEX** | **HPE OV 3yr 24x7 Cisco B22HP FEX LTU** | P9V06A |
| | **HPE OV 3yr 24x7 Cisco B22HP FEX E-LTU** | P9V06AAE |

NOTE: Electronic licenses can be used to purchase multiple licenses with a single activation key.

Supported Product

User Experience

A unified user experience is provided in HPE OneView to simplify everyday tasks and processes. Converged management provides you with a variety of powerful, easy-to-use tools in a single interface that's designed for the way you think and work:

- **Map View** allows you to visualize the relationships between your devices, up to the highest levels of your datacenter infrastructure.
- **Dashboard** provides capacity and health information at your fingertips. Custom views of alerts, health, and configuration information can also be displayed for detailed scrutiny.
- Global Dashboard delivers enterprise scale management of Synergy, c-Class, DL, ML, Apollo, HC380 and 3Par storage into a single view, unifies management of HPE OneView and Synergy Composer instances & manages up to 12,800 servers and 20 HPE OneView appliances

- **Smart Search** instantly gets you the information you want for increased productivity, with search support for all the elements in your inventory (for example, to search for alerts).
- **Activity View** allows you to display and filter all system tasks and alerts

- **Mobile access** using a scalable, modern user interface based on HTML5.

- **Global Dashboard** - For those needing enterprise scale functionality, the HPE OneView Global Dashboard provides customers with a unified view of the health of their servers, profiles and enclosures across multiple virtual and physical appliances. Managing up to 6,400 nodes today and more in the future, the HPE OneView Global Dashboard also provides centralized management of alerts and and core inventory data. In context launch to HPE OneView, iLO, and Onboard administrator via single sign-on also means that you are only one click away from powerful device-level lifecycle management. At no additional cost, customers can simply download and install this feature that runs alongside HPE OneView, allowing them to manage their HPE c-Class, HPE Proliant DL, and HPE Synergy servers as one

- **Dynamic collaboration** among experts replaces static and manual use of whiteboards, sticky notes, emails, and spreadsheets. The single integrated platform provides 'one view' across the converged infrastructure, enabling collaboration through real-time, context-sensitive information sharing.

Management appliance

The HPE OneView management appliance is the **lifecycle management** tool that provisions, monitors, updates, and repairs your infrastructure. It is delivered as a virtual appliance running in a VMware ESXi or Microsoft Hyper-V virtual machine. The appliance is 'OS-agnostic' ---- for example, it can manage servers running both Windows and Linux operating systems. Appliance upgrade support is also provided to help existing users to move to the current version of HPE OneView.

HPE OneView provides a **secure platform for data center management.** Key security characteristics of the architecture provide a holistic basis for security:

- Separation of the data and management planes is critical to avoid takeover in Denial of Service (DoS) attacks.
- Use of groups incorporates and institutionalizes best security practices for compliance.
- Provisioning control assures standardization in mass deployments.
- Deployed via a hardened appliance platform.

Supported Product

Industry-standard enterprise Directory Services are utilized to confirm user identification and to control access to compute resources. This allows one administrator to quickly set up authentication and authorization for each user, as appropriate to their responsibilities and organizational associations, for specific categories of compute resources.

Role-based access control (RBAC) restricts system access to authorized users.

Scopes enables creation of any logical group of enclosures, server hardware, networks or LIGs. Can create a logical group based on business unit – finance, sales etc or could be by OS installed on the servers – Windows, Linux, ESX

Single-sign-on (SSO) to iLO and Onboard Administrator is provided in HPE OneView. All user actions are logged in an audit log. Options for LDAP/AD-based directory services authentication and authorization are also supported.

The HPE OneView **management appliance is security-hardened** with limited open ports, limited access to the command prompt, and a restricted "kiosk" graphical user interface (which prevents access to the underlying operating system and other software). Sensitive data on the appliance is encrypted and data downloaded from the appliance is encrypted by default (e.g. support dumps, backup files).

Appliance backups for the HPE OneView management appliance utilize a specific user role which does not permit access to other resource views and tasks. Backup files are encrypted and contain configuration settings and management data. There is no need to create separate backup files for the appliance and its database files. Backups can be created while the HPE OneView appliance is online, and the backup process can be scheduled from outside the management appliance with file collection set according to your site's policies. Can be scheduled daily or weekly and can be performed on demand**.** It can backup to a remote share.

Integrated Remote Support
HPE OneView provides integrated remote support that is part of the appliance. For Gen8/Gen9 it will utilize the agentless remote support that is part of iLO 4. It allows Appliance Registration for remote support and Customer opt-in, contact information & support partner details. Provides Service incident forwarding & tracking in HPE OneView with case status updates and optional integration with Insight Online Access

Licenses

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 and Gen9 servers. All HPE OneView Advanced versions are licensed 'per physical server.' These licenses include three years of 24x7 Technical Support and Updates (TS&U) with web-based training (WBT) to build basic product proficiency. Full HPE OneView Advanced licenses also provide 'integrated licensing' rights-to-use HPE Insight Control at no additional charge. Trial versions of HPE OneView Advanced can be used for 60-days without charge**.**
- **HPE OneView Standard** can be used for inventory, health monitoring, alerting, and reporting without additional fees. HPE OneView Standard can monitor G6, G7, Gen8, and Gen9 servers. The user interface is similar to the HPE OneView Advanced version, but the software-defined functionality is not available. An annual 9x5 support offering is available for additional fee.

HPE OneView Advanced licenses are available in a variety of types to meet different user needs:

Supported Product

- **Standalone licenses** can be ordered by the customer without any other restrictions. Customers will receive a license entitlement certificate, which must be redeemed online to obtain the license activation key, and then the key input into the management appliance.
- **Factory integrated licenses** are purchased with HPE ProLiant servers and HPE BladeSystems and provide a 'Connect and Go' user experience. License keys are preloaded on the systems and are immediately managed by the HPE OneView management appliance when connected.
- **Tracking licenses** provide customer-specific, pay-as-you-go enterprise licensing. Tracking licenses require customer pre-approval of an Activation Key Agreement (AKA) contract. For more information, see **http://www.hpe.com/info/AKA**
- **Upgrade licenses** are available to transition from HPE Integrated Lights-Out (iLO) Advanced, HPE Insight Control, or HPE Virtual Connect Enterprise Manager (VCEM).

    NOTE: Upgrades do not provide HPE iLO Advanced licenses or 'integrated licensing' rights-to-use HPE Insight Control.

Software versions	The HPE OneView management appliance controls the licenses, and it can be obtained in two ways:

Software download (OVA) from **HPE Software Depot** (**http://www.hpe.com/downloads/OneView),**

HPE OneView Standard management software can be used without charge**.**

Automated Storage Provisioning	HPE OneView provides **automated, policy-driven provisioning of storage resources**. It is fully integrated with server profiles so that you can manage your new or existing HPE 3PAR and StoreVirtual storage infrastructure. The software-defined nature of HPE OneView enables you to:

- View and manage your storage system and storage pools,
- Add existing volumes and create new volumes, and
- Create volume templates to provision multiple volumes with the same configuration.
- Automate zoning Fiber Channel SANs and attaching storage to server profiles.

Switched fabric, and VSAN SAN topologies are supported to provide dynamic connectivity between HPE OneView managed servers and HPE 3PAR StoreServ and StoreVirtual Storage Systems. HPE OneView discovers the SAN paths and provides connectivity services for the following infrastructures:

- HPE 3PAR StoreServ Storage systems connected directly to an enclosure via Fiber Channel.
- HPE 3PAR StoreServ Storage Systems connected to an HPE B-series Fiber Channel SAN configurations (SANs - managed through the HPE B-Series SAN Network Advisor software).
- HPE 3PAR StoreServ Storage Systems connected to a Brocade Fiber Channel SAN configurations (SANs - managed through Brocade Network Advisor (BNA) software).

Automatic SAN zoning

You can also add Storage Area Network (SAN) managers to bring their managed SANs under management of the appliance. Managed SANs can be associated with Fiber Channel networks on the appliance to enable automated zoning and automatic detection of Fiber Channel connectivity. HPE OneView automatically configures SAN zoning through server profile volume attachments.

Supported Product

Storage integration through server profiles

Storage integration with server profiles saves you time and makes you more productive. You can attach private or shared storage volumes to HPE OneView server profiles to enable automated boot target configuration and to move Direct Attach (FlatSAN) profiles across enclosures.

Storage monitoring, connectivity, and synchronization

HPE OneView monitors storage systems and issues alerts when there is a change in health or connectivity status of storage systems. Storage systems are also monitored to ensure that they are synchronized with changes to hardware and configuration settings. Should the appliance lose connectivity with a storage system, an alert is displayed until connectivity is restored. Storage topology is also available in Map View.

See the **HPE OneView technical documentation** for a list of supported storage systems.

Network management

Network management using HPE Virtual Connect

HPE Virtual Connect provides **wire-once, change-ready environment** to make it easy for administrators to manage their dynamic network environment at the server edge. HPE OneView Advanced simplifies the deployment of various Virtual Connect environments: single enclosure, racks of enclosures in a single data center, and across data centers.

The software-defined nature of HPE OneView Advanced extends HPE Virtual Connect features using Profiles, Logical Interconnect Groups, and Network Sets to simplify management and capture best practices:

- **Profiles** enable servers that are licensed using HPE OneView Advanced to configure the Virtual Connect capabilities and support dynamic network changes. Virtual Connect administrators can change pre-existing connection networks and connection bandwidth without powering down blade servers.
- **Logical Interconnect Groups** are created for configuring the Virtual Connect module with its uplinks and associated networks, enabling efficient application to multiple Virtual Connect environments.
- **Network Sets** are used to easily update multiple networks in various profiles from a single location, rather than updating each network separately. Network sets are useful in virtual environments where each profile connection needs to access multiple networks.

Fibre Channel support in HPE Virtual Connect includes the HPE Virtual Connect 8Gb 24-Port Fibre Channel Module and HPE Virtual Connect 8Gb 20-Port Fibre Channel Module, and FlexFabric supports the next-generation HPE Virtual Connect FlexFabric-20/40 F8 Module.

Active-Active configuration support for Virtual Connect allows full use of all uplink ports in an uplink set, reduces the oversubscription rates for server-to-network-core traffic for more predictable traffic patterns, and provides faster link failure detection and failover times. Optimized for North/South traffic patterns, the Active/Active configuration support can be combined with the SmartLink to allow NIC teaming drivers to transmit on both adapter ports and maintain redundancy.

Advanced capabilities support untagged traffic, VLAN tunneling, and configurable Link Aggregation Control Protocol (LACP) timers, min/max bandwidth settings on connections, visibility to MAC address

Supported Product

tables, 'per FlexNIC' traffic statistics and performance monitoring, and enhanced detection-protection-reporting of Pause Flood and Network Loops.

General network management

HPE OneView Advanced also provides network capabilities for HPE BladeSystems which do not use HPE Virtual Connect for networking. The 'Networking' section of the HPE OneView Advanced main menu has added a 'New Switches' resource to assist in these efforts. The following switches can be monitored: the Cisco Nexus 5548 switch, the Cisco Nexus 5596 switch, and the Cisco Nexus 6001 switch.

The Cisco Fabric Extender for HPE BladeSystem modules (also known as the B22HP interconnect module, or FEX) is modeled as part of the logical interconnects and logical interconnect groups. The power state of the FEX is also monitored, and inventory and FRU data is shown for the FEX and the Cisco Nexus 5000 series switches. HPE OneView also supports monitoring of networks provisioned to FEX, FEX port enable/disable.

Map View in HPE OneView Advanced shows relationships between the FEX and the parent top-of-rack Cisco Nexus 5000 or 6000 series switches. Other capabilities, like the bulk creation of Ethernet networks via the user interface and REST API, can provide additional productivity for users. HPE OneView simplifies VLAN provisioning by allowing configuration of uplinks and downlinks.

See the **HPE OneView technical documentation**for specific Virtual Connect and network hardware requirements.

System health	Efficient data views and effective control enable you to respond to issues for managing the health of HPE ProLiant servers. Both HPE OneView Standard and HPE OneView Advanced simplify monitoring by providing a streamlined, modern alert management architecture. When managed resources are added to the appliance, they are **automatically set up for monitoring**, including the automatic registration of SNMP traps and scheduling of health data collection. HPE ProLiant Gen8 and Gen9 servers are monitored immediately without requiring you to invoke additional configuration or discovery steps.

All monitoring and management of data center devices is **agentless and out-of-band** for increased security and reliability. No OS software is required, no open SNMP ports on the host OS are required (for Gen8 and Gen9), and zero downtime updates can be performed for these embedded agents. HPE ProLiant Gen8 and Gen9 servers support agentless monitoring via iLO. HPE OneView uses SNMP in a 'read-only' mode (gets and traps, but not sets) to the iLO only – not to the host OS. HPE ProLiant G6 and G7 servers require host OS SNMP agents.

HPE OneView Standard and HPE OneView Advanced both provide **proactive alert notifications** via email (instead of using SNMP trap forwarding) **and automated alert forwarding**. You can view all alerts, filter your alerts, and search your alerts using HPE Smart Search. Alerts can be assigned to specific users and annotated with notes from administrators. Notifications or traps can be automatically forwarded to enterprise monitoring consoles or to centralized SNMP trap collectors. Admins can create **alert filters on groups of devices** – so different admins can only see the alerts for the systems that they are responsible for maintaining

Customized dashboard capability allows you to select and display important inventory, health, or configuration information and to define custom queries for new dashboard displays. The single user interface provides additional summary views of firmware revisions and of the hardware inventory for servers, storage, and networks. Other data and inventory elements are visible through the user interface and REST API, and can be found using HPE Smart Search.

Supported Product

Firmware updates and Configuration change management	HPE OneView Advanced leverages and extends the HPE Smart Update portfolio of **HPE Service Pack for ProLiant (SPP)** and **HPE Smart Update Manager (HPE SUM)** for breakthrough system maintenance at the scale of your data center. HPE SPP and HPE SUM provide capabilities to systematically update HPE ProLiant servers and blade infrastructures with one-click simplicity. HPE OneView Advanced extends these capabilities with **software-defined approaches** and with **firmware baselines** for efficient, reliable, non-disruptive, and simple firmware management across the data center.

The firmware repository in HPE OneView Advanced allows you to manage multiple versions of HPE Service Pack for ProLiant (SPP). An SPP is a comprehensive collection of firmware and system software components (including drivers, agents, utilities, firmware packages for HPE ProLiant servers, controllers, storage, blades, enclosures, and other options). **SPP collections are all tested together as a single solution stack.** HPE OneView Advanced deploys the SPP across your environment according to your business practices and provides automatic firmware updates for a variety of uses:

- Identify firmware compatibility issues.
- Set a firmware baseline on devices to establish a desired firmware state.
- Add devices while performing minimum required firmware checks and highlighting out-of-compliance devices for updates with the selected firmware baseline.
- Update firmware for an entire enclosure, or individually for components.
- Apply firmware baselines to servers as a part of the server profile, while maintaining flexibility for specific servers to differ from an enclosure's baseline.

Firmware updates in HPE OneView Advanced are driven by server profiles using HPE Smart Update Manager (HPE SUM) for efficiency at scale. **Firmware update operations do not impact your production LAN** in any way because they are performed entirely via the management LAN. These same processes can be used to simplify configuration change management across your data center.

Reports	Standardized reports are available to users of both HPE OneView Standard and HPE OneView Advanced. A pre-defined list of reports is available from the user interface or through the REST API. These reports can be exported to CSV or Microsoft Excel files or printed as PDF files. Pre-defined reports include:

- Alerts Report
- Users Report
- Server Inventory
- Server Firmware Inventory
- Server Profiles Inventory
- Enclosure Bay Inventory
- Enclosure Inventory
- Interconnect Inventory

Reports are based on HPE OneView inventory, configuration, and health status information. Additional data and information can be obtained for custom reporting by querying the REST API.

Server Provisioning	HPE OneView Advanced provides the right-to-use a complete provisioning solution for Hewlett Packard Enterprise servers. This virtual appliance solution can be used to install and configure HPE ProLiant servers using resources such as OS Build Plans and scripts to run deployment jobs. Server provisioning features allow you to:

- **Install Windows, Linux, and ESXi on HPE ProLiant servers.**
- Deploy operating systems to Virtual Machines (VMs).
- **Update drivers, utilities, and firmware** on HPE ProLiant servers using the HPE SPPs.

Supported Product

- **Configure** HPE ProLiant system hardware, iLOs, BIOS, HPE Smart Array, and Fibre Channel HBA.
- Deploy to target HPE ProLiant Gen8 and Gen9 servers without using PXE (leveraging HPE Intelligent Provisioning), and with additional support for ProLiant G7 and G6 servers.
- **Run deployment jobs** on multiple servers simultaneously.
- Customize your HPE ProLiant deployments via an easy-to-use browser-based interface.
- **Create and run customized Build Plans** to perform additional configuration tasks either before or after OS deployment.
- Use REST API calls to perform all of the functions available from the user interface.

Remote management (HPE iLO Advanced)

HPE OneView Advanced licenses **iLO Advanced**, HPE's **comprehensive lights-out remote management** solution for ProLiant servers. Numerous key features help to solve complex IT problems, including:

- **Remote access** to server power control and event logs.
- **Graphical Remote Console** turns a supported browser into a virtual desktop, giving the user full control over the display, keyboard, and mouse of the host server. The OS-independent console displays remote host server activities (like shutdown/startup operations) and can be launched from the HPE OneView server profile page.
- **Shared console and Console replay** allows up to six team members to view and share control of a single virtual KVM session, while capturing and saving screen video for later review.
- **USB-based Virtual Media** allows an IT administrator to boot the remote server from the client machine (or anywhere on the client's network), and execute functions remotely.
- **Integration with Microsoft Terminal Services** provides a graphical remote console when the OS is fully-loaded/available on the host system -- and a secure, hardware-based Lights-Out console for remote access to the host server when the OS is not operational.
- **Serial record and play back** saves the text-based output data for later access and play back.
- **Remote System logs** record everything being done for later troubleshooting or records.

Environmental management

HPE OneView Advanced integrates resources to provide you with a power monitoring and energy management solution that is designed to scale to the level of your datacenter. Centralized monitoring of datacenter power consumption and thermal output is complemented with energy instrumentation connected into HPE iLO capabilities, allowing compatibility with any operating system residing on the managed server.

HPE OneView Advanced integrates three critical areas for environmental management of the data center: thermal data visualization, power delivery infrastructure representation, and physical asset location in 3D. These key areas are captured in the following environmental management features:

- **3D data center thermal mapping** allows you to view the thermal status of your entire data center at a glance. Thermal data is collected from the managed resources in each data center rack and is presented graphically, allowing easy identification of hot spots in a particular rack.
- **Power Discovery Services** enable automatic discovery and visualization of power delivery topology for your data center. The Hewlett Packard Enterprise Intelligent Power Distribution Units (iPDUs) and Platinum level power supplies enable automatic rack power topology mapping in HPE OneView, which can automatically detect wiring errors (like lack of redundancy) and can automatically update electrical inventory when new servers are installed. HPE OneView also supports per-outlet power control for remote power cycling of each iPDU outlet. (Devices not supporting Power Discovery Services can manually define their power requirements and power topology.)
- **Location Discovery Services** enable HPE OneView Advanced to automatically know and display the exact 3D location of Gen8 and Gen9 servers within HPE Intelligent Series Racks.

Supported Product

This reduces labor time, lowers operational costs, and eliminates human errors associated with inventory and asset management. (Racks and devices that do not support Location Discovery Services can have their position manually input in the rack/device of the data center.)

- **Utilization dashboards** display key CPU/power/thermal information for the selected server, enclosure, or iPDU. Historical utilization graphs with up to three years of data (depending on storage limitations) help identify poor-performing servers and improve power utilization.
- **Visualization of CPU, power, and thermal data** for servers may be viewed and managed.

The environmental management in HPE OneView Advanced can help you save on your operating expenses (OpEx), and it can even extend data center capacity to avoid additional capital expenses (CapEx). It provides performance when you need it, and cost savings when you don't.

Open Integration

Open integration gives you **access to the full power of the management architecture**, assuming appropriate permissions, via the Representational State Transfer (REST) API and State-Change Message Bus. You can **integrate, automate, and customize** this management engine to access information or to control activities using the REST API. With HPE OneView integrations you might:

- Create an intelligent automation hub to orchestrate operations.
- Automate standard work flows, troubleshooting steps, and integrations (such as for configuration management databases, also known as CMDB).
- Connect to Service Desks.
- Monitor resources, collect data, map/model systems, and export data to custom formats.
- Attach custom databases, data warehouses, or 3rd party business intelligence tools.
- Integrate in-house user customizations.

HPE OneView couples a unique **State-change Message Bus** with REST APIs to provide automation and a closed-loop method of ensuring compliance. Intelligent change monitoring via the message bus allows automation to be closed-looped. This interface notifies custom scripts and integrations of all changes to managed resources (both logical and physical resources) via asynchronous messaging without having to continuously poll for status. The message bus returns commands in 500 milliseconds to give you fast response for your custom integration of applications, processes, and devices.

Python and PowerShell scripts are freely available to assist your custom integrations using the REST API. See the **HPE OneView technical documentation** and the **HPE OneView Community forum**.

VMware vCenter Server, Operations Manager, and Log Insight (integrations)

HPE OneView for VMware vCenter seamlessly integrates the manageability features of HPE ProLiant, Synergy, BladeSystem, Virtual Connect, and Storage with VMware solutions. Gain deep control of your virtualized HPE Converged Infrastructure environment— reducing the time it takes to make important changes, increase capacity, or manage planned and unplanned downtime. When used with the automation power of HPE OneView, best practices for a Converged Infrastructure can be defined once and reused many times to provision an entire cluster with compute and storage fully configured in five easy steps.

Integrations for **VMware vRealize Operations Manager** and **VMware vRealize Log Insight** are also available that deliver powerful analytics and deeper troubleshooting tools to your VMware administrators.

Supported Product

Seamlessly integrate HPE's Converged Management with VMware management solutions

- Simplify administration with VMware console access to HPE's infrastructure management.
- Reduce by automating responses to hardware events.
- Take control by launching your trusted HPE management tools.
- Proactively manage changes with detailed relationship dashboards.
- Leverage on-demand server and storage capacity.
- Maintain stability and reliability with online firmware inventory and deployment.
- Leverage deep analytics and troubleshooting using integrations with VMware vRealize Operations Manager and Log Insight.

Extensions for VMware are licensed for use with both HPE OneView and HPE Insight Control. While only one of these two licenses is required on any given host, the advanced provisioning features are only available with HPE OneView licensed hosts. VMware Operations Manager and VMware Log Insight integrations are licensed with HPE OneView only. To download, visit: **http://www.hpe.com/info/ovvcenter**

This integration enables you to provision, modify, and recover complex infrastructure -- both virtual and physical together -- from your preferred management console.

NOTE: VMware vCenter Server, Operations Manager, and Log Insight must be purchased separately and are not included with HPE OneView.

Microsoft System Center (integration)

HPE OneView integrates with Microsoft System Center Server to deliver powerful HPE hardware management capabilities directly from System Center consoles for comprehensive system health and alerting, driver and firmware updates, OS deployment, detailed inventory, and HPE fabric visualization.

HPE OneView for Microsoft System Center Server provides the following capabilities from the Microsoft System Center consoles:

System Center Virtual Machine Manager (SCVMM)

- Integrated Fabric Management/Storage Add-in automates HPE Storage management and provides an integrated view of VMs and associated storage resources.
- Enhanced provisioning uses HPE OneView profiles to create or grow a Microsoft Hyper-V cluster consistently and reliably.
- Visually trace and monitor your infrastructure network end-to-end, from the host to the individual network modules.
- Facilitate consistency and improve uptime with simplified driver and firmware updates via a rotating, automated workflow for Microsoft Hyper-V clusters.

System Center Operations Manager (SCOM)

- Prevent problems from occurring by proactively monitoring and managing hardware health and intelligently responding to hardware events on HPE Synergy infrastructure, servers, enclosures, HPE Virtual Connect, and HPE Storage. Includes HPE Storage Management Pack for SCOM, which enables HPE Storage monitoring and management for events/alerts, capacity and health dashboards, and detailed virtual infrastructure.

Supported Product

- Manage the health of HPE ProLiant Gen8 and Gen9 servers without the need for loading OS-based SNMP agents or WBEM providers.
- Launch HPE remote management tools (such as iLO, OA, VCM, and HPE OneView) directly from the SCOM console.

System Center Configuration Manager (SCCM)

- Provides quick and reliable Windows deployment to bare metal ProLiant servers.
- Ensures consistency and maximize uptime with simplified Windows driver and firmware updates.
- Provides detailed component level inventory of every managed HPE Windows server.

Extensions for Microsoft System Center are delivered via 'HPE OneView for Microsoft System Center' and can be downloaded at **http://www.hpe.com/products/ovsc**.

This integration enables you to provision, modify, and recover complex infrastructure -- both virtual and physical together -- from your preferred management console.

NOTE: Microsoft System Center must be purchased separately and is not included with HPE OneView.

HPE ConvergedSystem 700

HPE ConvergedSystems 700 is a pre-engineered, balanced system that can dramatically simplify your IT environment. It is based on market-leading HPE Converged Infrastructure technology, including HPE BladeSystem servers, HPE 3PAR StoreServ storage, and HPE Networking. The system is easy to procure, manage, scale, and support. This optimized solution can lower the cost and reduce the risk of virtualization deployments.

HPE OneView integration with VMware vCenter and with VMware Operations Manager in the HPE ConvergedSystem 700 provides administrators with increased visibility and control over performance and capacities, while ensuring service levels and operational efficiency in dynamic virtualized environments. Management from a single-pane-of-glass is complemented by HPE Proactive Care support, resulting in a reliable end-to-end solution.

ISV partners

A growing list of ISV partners are taking advantage of the unified API in HPE OneView to automate solutions for customers. These partners range from large software suites like VMware® vCenter, Microsoft® System Center, to focused solution providers like Chef, Docker, Ansible, Arista, Chef, Densify.com, Docker, Eaton, F5, HarpA Italia, nLyte, Puppet, Schneider Electric, Terraform and many others.
 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
Partners that have been introducing integrations with HPE OneView recently include:

Supported Product

- **Mesosphere:** The integration of Mesosphere with HPE Composable Infrastructure allows IT and DevOps to automate deployment and streamline operations of Mesosphere Enterprise DC/OS on HPE infrastructure for large-scale production environments.
- **ServiceNow:** HPE OneView integration with ServiceNow allows IT operators to detect problems and provide ease of troubleshooting for their HPE infrastructure.
- **Red Hat OpenShift**: HPE OneView integration with OpenShift allows IT operations and application development teams deliver applications faster.
- **Densify.com**: Automate provisioning and enable predictive capacity management for workloads requiring VM placement and sizing information. The integration allows intelligent workload placement using predictive analytics to optimize infrastructure composition to align with application demands

For more information please refer to **http://www.hpe.com/info/composableprogram**

Hardware Support

HPE Server Hardware Platforms
Customers should consult the HPE OneView Support Matrix for specific platform support at **HPE OneView technical documentation**

- **HPE OneView Advanced** supports management on:
    - HPE ProLiant rack servers (Gen8 and Gen9, Gen10), and
    - HPE BladeSystem (G7, Gen8, and Gen9, Gen10) c7000 infrastructure.
- **HPE OneView Standard** supports inventory, health monitoring, alerting, and reporting on:
    - HPE ProLiant rack servers (G6, G7, Gen8, and Gen9, Gen10), and
    - HPE BladeSystem (G6, G7, Gen8, and Gen9, Gen10) c7000 infrastructure.

Environmental capabilities of HPE OneView require target servers with an embedded power meter. Systems that support this power management can be found in the HPE OneView Support Matrix at: **HPE OneView technical documentation**

Appliance support and requirements

The HPE OneView management virtual appliance is a free software download at **http://www.hpe.com/downloads/OneView**
NOTE: See the HPE OneView Support Matrix for the most current requirements at **HPE OneView technical documentation**

VIRTUALIZATION PLATFORMS FOR THE MANAGEMENT APPLIANCE

Supported Product

Microsoft Hyper-V	Hyper-V Server 2012
	Hyper-V Server 2012 R2
	Windows Server 2012 with the Hyper-V role
	Windows Server 2012 R2 with the Hyper-V role
	Windows Server 2016 with the Hyper-V role
VMware ESXi	VMware ESXi 5.0
	VMware ESXi 5.0 Update 1
	VMware ESXi 5.0 Update 2
	VMware ESXi 5.0 Update 3
	VMware ESXi 5.1
	VMware ESXi 5.1 Update 1
	VMware ESXi 5.1 Update 2
	VMware ESXi 5.1 Update 3
	VMware ESXi 5.5
	VMware ESXi 5.5 Update 1
	VMware ESXi 5.5 Update 2
	VMware ESXi 5.5 Update 3
	VMware ESXi 6.0
	VMware ESXi 6.0 Update 1
	VMware ESXi 6.0 Update 2
	VMware ESXi 6.5

KVM	RHEL 7.2

CLIENT-SIDE SOFTWARE REQUIREMENTS

Supported Internet browsers

- Microsoft Edge/ Microsoft Internet Explorer Version 11
- Mozilla Firefox Version 45.x
- Mozilla Firefox ESR (Extended Support Release) Version 52.x
- Google Chrome Version 54.x

NOTE:
Microsoft Internet Explorer (IE) Version 11 cannot transfer files larger than 4 GB. For those files, use Mozilla Firefox or Google Chrome browsers..

Consult the HPE OneView Support Matrix for more detailed information: **HPE OneView technical documentation**
NOTE: HPE makes every effort to support newer versions of and updates to supported web browsers. Hewlett Packard Enterprise will endeavor to support the newer browser versions in the next maintenance release or full release of HPE OneView. If you encounter a problem with a newer, untested version of a web browser, submit a report to your authorized HPE support representative. In some cases, the short-term solution might be to revert to an earlier, supported web browser version

Related Options

Warranty   Hewlett Packard Enterprise will replace defective delivery media for a period of 90 days from the date of purchase. This warranty applies to all HPE OneView products found on the delivery media.

HPE Software Support   Hewlett Packard Enterprise offers a number of additional software support services, many of which are provided to our customers at no additional charge.

Software Technical Support and Update Service

HPE OneView software products include three years of 24x7 HPE Software Technical Support and Update Service. This service provides access to HPE technical resources for assistance in resolving software implementation or operations problems. The service also provides access to software updates and reference manuals in electronic form. With this service, HPE OneView customers will benefit from expedited problem resolution as well as proactive notification and delivery of software updates. For more information, see "Software Services" under "Support Services" at **http://www8.hp.com/us/en/business-services/it-https://www.hpe.com/us/en/services/it-support.html**

Registration for Software and Technical Support and Update Services

If you received a license entitlement certificate, registration for this service will take place following online redemption of the license certificate/key.

How to Use Your Software Technical Support and Update Service

Once registered, you will receive a service contract in the mail containing the Customer Service phone number and your Service Agreement Identifier (SAID). You will need your SAID when calling for technical support. You can also use your SAID at the HPE Support Center online to view your contract.

Join the Conversation

(http://h20565.www2.hpe.com/portal/site/hpsc?ac.admitted=1486137482796.125225703.1851288163) The HPE Support Center is a community-based, user-supported tool for HPE customers to participate in discussions amongst the customer community about Hewlett Packard Enterprise products. For discussions related to HPE OneView software, see "Converged Management" under the "HPE Enterprise Business Community."

Software and Drivers download

pages http://h20565.www2.hpe.com/portal/site/hpsc?ac.admitted=1486137482796.125225703.1851288163 provide the latest software and drivers for your ProLiant products.

HPE Service Pack for ProLiant (SPP) (https://www.hpe.com/us/en/product-catalog/detail/pip.5104018.html#)

http://www.hpe.com/info/spp with **http://www.hpe.com/info/hpsum HPE SUM)**, part of the HPE Smart Update portfolio, provide breakthrough system maintenance tools that systematically update HPE ProLiant servers and blade infrastructures with one-click simplicity at the scale of your data center. They simplify and consolidate system software update processes enabling you to update your ProLiant servers faster, with a reduction in downtime due to the online updates process.

- HPE Service Pack for ProLiant (SPP) and HPE Smart Update Manager (HPE SUM) can be downloaded from **www.hpe.com/info/hpsum**

Contact Support

HPE Worldwide Customer Service contact numbers are available at **http://www8.hp.com/us/en/hpe/contact/ww-contact-us.html**

For U.S. customers, say "HPE OneView" when prompted for the product name.

Related Options

Online Community Forum

Share your Experience HPE OneView Community forum
The HPE OneView community is an online forum for customers and partners to share their experiences and pose questions related to HPE OneView. Community members along with HPE representatives can assist with answering questions.

HPE Education and Training Services

Hewlett Packard Enterprise education services focuses on your most important asset, your people, and making sure they have the right skills to deliver business outcomes. With over 35 years of experience we lead the industry when it comes to leading edge skills-based IT training, certification training and training services focused on end user acceptance during a technology change. We represent unmatched expertise across a broad range of Hewlett Packard Enterprise products, industry partner technologies and IT service management disciplines by combining technical knowledge, business insight and hands-on experience in our training delivery.

- **HPE OneView V3 Administration (3 days):**
  The HPE OneView instructor led course (Course ID H4C04S) is essential training for System, Network, and Storage administrators using HPE OneView and for System architects anticipating the implementation of OneView into their converged infrastructure.
- **HPE OneView V3 Quick Start (1 day):**
  This course (Course ID H7H10S) covers how to install, manage, and configure the HPE OneView Appliance. An architectural overview ensures a high level understanding of the associated managed equipment. Explore HPE OneView management of ProLiant Gen 7, Gen 8 and Gen 9, as well as HPE OneView monitoring of Gen 6 and rack-mounted ProLiant systems.
- **Migrating to HPE OneView (1 day):**
  This course (Course ID H0LL8S) is for HPE customers looking to migrate to HPE OneView from legacy tools, using Insight Control, SIM or VC/VCEM tools today.
- Your purchase of HPE OneView Advanced also entitles you access to the **HPE OneView V3 Overview** (Course ID H4C04AAE), an hour of self-paced Web Based Training (WBT). To redeem your WBT course, visit **http://www.hpe.com/ww/oneviewBundle.**

HPE recommends at least **3 HPE Training Credits for ProLiant/CDI** (SKU# HF385E or HF385A1) per student seat with every HPE OneView solution.
- One unit of **HF385E/HF385A1** HPE Education Training Credit will cover one day of training per student.
- Specific training recommendations for a given client will vary depending on the customer's existing knowledge and experience.
- HF385A1/E HPE Training Credits for ProLiant and CDI Services, Qty= 3 units per student

Book on a class today and learn how to get the most from your technology investment. **http://www.hpe.com/ww/learn.**

Technical Specifications

HPE Support Services

HPE Technical Services

HPE Training for Credits ProLiant & CDI Services	F385E
HPE Training for Credits ProLiant & CDI Services (flex)	HF385A1
Service Offerings (HPE Per Event Services)	

NOTE: For more information, see **https://www.hpe.com/us/en/services/it-support.html.**

HPE OneView Startup Installation and Configuration Service (fixed)	U1V78E
HPE OneView Startup Installation and Configuration Service (flex)	H6K67A1
HPE OneView Installation and c7000 BladeSystem Migration Service (fixed)	U1V79E
HPE OneView Installation and c7000 BladeSystem Migration Service (flex)	H6K68A1
HPE OneView c7000 BladeSystem Installation and Migration Add-on Service (fixed)	H4W69E
HPE OneView c7000 BladeSystem Installation and Migration Add-on Service (flex)	H8Q65A1
HPE OneView Startup with Insight Control server provisioning Service (fixed)	U0RA2E
HPE OneView Startup with Insight Control server provisioning Service (flex)	HA124A1#5TF
HPE OneView for VMware vCenter Installation and Startup Service (fixed)	UT858E
HPE OneView for VMware vCenter Installation and Startup Service (flex)	HA124A1#5NV
HPE OneView for Microsoft System Center Installation and Startup Service (fixed)	UT857E
HPE OneView for Microsoft System Center Installation and Startup Service (felx)	HA124A1#5NU
HPE OneView Implementation Service (TS Consulting Service)	H1TK2A1

Foundation Care Support Uplifts for HPE OneView Advanced

HPE 4 year 24x7 OneView with iLO Software Foundation Care Support	U2WM8E
HPE 5 year 24x7 OneView with iLO Software Foundation Care Support	U2WM9E
HPE 4 year 24x7 OneView w/o iLO Software Foundation Care Support	U2WN0E
HPE 5 year 24x7 OneView w/o iLO Software Foundation Care Support	U2WN1E
HPE 4 year 24x7 OneView BL 16-Svr Software Foundation Care Support	U2WM6E
HPE 5 year 24x7 OneView BL 16-Svr Software Foundation Care Support	U2WM7E

Proactive Care for HPE OneView Advanced
NOTE: Proactive Care is recommended for customers running a virtualized infrastructure and/or customers who desire an enhanced call support experience. Proactive Care includes Collaborative Support plus Proactive services delivered by the on-shore/near-shore Advanced Solution Center (ASC) and backed by the global delivery organization. End-to-end case ownership from a Technical Solution Specialists and Technical Account Manager remotely delivers firmware/software revision management, proactive scans, and incident trend reports.

HPE 3 year 24x7 OneView with iLo Proactive Care Service	U0SJ5E
HPE 4 year 24x7 OneView with iLo Proactive Care Service	U0SJ6E
HPE 5 year 24x7 OneView with iLo Proactive Care Service	U0SJ7E
HPE 3 year 24x7 OneView w/o iLo Proactive Care Service	U0SK0E
HPE 4 year 24x7 OneView w/o iLo Proactive Care Service	U0SK1E
HPE 5 year 24x7 OneView w/o iLo Proactive Care Service	U0SK2E

Technical Specifications

HPE 3 year 24x7 OneView BL 16-Svr Proactive Care Service	U0SK5E
HPE 4 year 24x7 OneView BL 16-Svr Proactive Care Service	U0SK6E
HPE 5 year 24x7 OneView BL 16-Svr Proactive Care Service	U0SK7E

Proactive Care Advanced (PCA) for HPE OneView Advanced
NOTE: Proactive Care Advanced (PCA) provides all the capabilities of Proactive Care with the addition of an assigned ASM (a dedicated contact person), semi-annual support planning and reviews, and flexible technical advice and assistance.

HPE 3 year 24x7 OneView 16-Server Proactive Care Advanced Service	U5HB7E
HPE 4 year 24x7 OneView 16-Server Proactive Care Advanced Service	U5HB8E
HPE 5 year 24x7 OneView 16-Server Proactive Care Advanced Service	U5HB9E
HPE 3 year 24x7 OneView w/ Integrated Lights-Out Proactive Care Advanced Service	U5HC0E
HPE 4 year 24x7 OneView w/ Integrated Lights-Out Proactive Care Advanced Service	U5HC1E
HPE 5 year 24x7 OneView w/ Integrated Lights-Out Proactive Care Advanced Service	U5HC2E
HPE 3 year 24x7 OneView w/o Integrated Lights-Out Proactive Care Advanced Service	U5HC3E
HPE 4 year 24x7 OneView w/o Integrated Lights-Out Proactive Care Advanced Service	U5HC4E
HPE 5 year 24x7 OneView w/o Integrated Lights-Out Proactive Care Advanced Service	U5HC5E

Support for HPE OneView Standard

HPE OneView Standard 1yr 9x5 Support Flex Quantity E-RTU	K6F98AAE

Summary of Changes

Date	Version History	Action	Description of Change
11-Jul-2017	From Version 21 to 22	Changed	Changes made throughout the QuickSpecs
05-Jun-2017	From Version 20 to 21	Changed	Added the Global Dashboard 1.2
27-Mar-2017	From Version 19 to 20	Changed	Changes made throughout the QuickSpecs
13-Feb-2017	From Version 18 to 19	Changed	Changes made throughout the QuickSpecs
28-Nov-2016	From Version 17 to 18	Changed	Changes made to the Supported Products and Overview Sections.
26-Sept-2016	From Version 16 to 17	Changed	Changes made throughout the QuickSpecs
06-Jun-2016	From Version 15 to 16	Changed	Changes made throughout the QuickSpecs
11-Mar-2016	From Version 14 to 15	Changed	Typo on SKUSKU corrected (PB31A changed to P8B31A)
28-Sept-2015	From Version 13 to 14	Changed	Changes made to the Overview, Models, Standard Features, Supported Products and Related Options Sections for the Thyme NPI.
01-Jun-2015	From Version 12 to 13	Changed	Changes made to the Overview, Models, Standar Features and Related Options Sections
03-Apr-2015	From Version 11 to 12	Changed	**Changes made to the HPE Care Pack Services section**
30-Mar-2015	From Version 10 to 11	Changed	Changes made to the Models and What´s New Sections. Update SKUs descriptions.
18-Dec-2014	From Version 9 to 10	Changed	Changed made to the Service and Support and What´s New Sections.
01-Dec-2014	From Version 8 to 9	Changed	Changes made throughout the QuickSpecs.
09-Sep-2014	From Version 7 to 8	Changed	Gen9 Update, product descriptions updated
21-May-2014	From Version 6 to 7	Changed	Text and format in Overview, Standard Features and Support Product sections were updated
18-Feb-2014	From Version 5 to 6	Added	Added the What's New Section: HPE OneView 1.05 provides the following enhancements for infrastructure management: VMware vCenter Server integration with HPE OneView delivers powerful Hewlett Packard Enterprise hardware management capabilities directly from the vCenter console to virtualization administrators Active-Active configuration support for Virtual Connect reduces oversubscription rates for more predictable server-to-network-core traffic and provides faster link failure detection and failover times RAID support for HPE ProLiant blade servers allows local storage configuration support (ACU/SSA) in server profiles Dynamic network changes supported in server profiles allows Virtual Connect administrators to change pre-existing connection networks and connection bandwidth without powering down blade servers

Summary of Changes

			HPE OneView appliance upgrade support from versions 1.0 /1.01 to current version 1.05 HPE ProLiant Gen8 server support for DL560, DL580, and BL660c Gen8
09-Dec-2013	From Version 4 to 5	Changed	Changes made in the Models and the Supported Product sections.
22-Oct-2013	From Version 3 to 4	Changed	Changes made in the North America Versions only.
04-Oct-2013	From Version 2 to 3	Changed	Changes made to both remove and add various part numbers from the Standard Features and Related Options sections.
26-Sep-2013	From Version 1 to 2	Added	Added "HPE" in front of OneView throughout the QuickSpecs.

f   𝕏   in   ✉

Sign up for updates

Hewlett Packard Enterprise