Overview

HPE OneView

The foundation of software-defined infrastructure

HPE OneView lets businesses simplify and automate 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. Designed with a modern, standards-based API, HPE OneView also helps users develop applications faster through integrations with a broad ecosystem of third-party management services and tools.

Now businesses can simplify their hybrid IT infrastructure with one easy to use interface. HPE OneView efficiently and securely manages traditional IT, while increasing the speed of IT delivery for new applications and services. HPE OneView supports The HPE broad portfolio of servers, storage, and networking solutions, ensuring the simple and automated management of a hybrid infrastructure today and in the future. In addition, HPE OneView's integration with partner cloud tools lets businesses better manage their core to cloud workloads.

HPE OneView supports HPE Synergy, HPE ProLiant (DL and ML) servers, HPE Apollo Systems, Superdome Flex, HPE Primera, 3PAR StoreServ, HPE Alletra 6000 and Alletra 9000, HPE Nimble, HPE Networking, and Converged System.

What is New with HPE OneView

Servers

- HPE ProLiant with vSphere Distributed Services Engine management and Remote support
- Support for latest HPE ProLiant Gen11 servers
- Deprecation of HPE Insight Online
- OneView support for importing PKCS #12 formatted CA signed TLS certificate for GUI
- Displaying details of the operating system running on HPE Superdome Flex and HPE Superdome Flex 280 servers

Partner integrations

HPE OneView for VMware vCenter adds support for integrated OS, driver, and firmware updates with VMware vSphere Lifecycle Manager (vLCM)

HPE OneView for Microsoft System Center adds the ability to log missing alerts which were generated while HPE OneView was disconnected

HPE OneView for VMware vRealize Operations adds the ability to display SSD wear data , improved data collection options, and vCenter maintenance mode alert muting

HPE OneView extension for Windows Admin Center provides server inventory with health status monitoring, firmware and driver monitoring, as well as network and storage fabric inventory HPE ProLiant and Synergy servers

Overview

What is new with HPE OneView Global Dashboard 2.7
Logical Interconnect support

What is new with HPE OneView Global Dashboard 2.6
- Support for Synergy D3940 drive enclosures as a resource
- Ability to configure NTP servers in OVGD appliance
- Support for remote audit log forwarding
- Reporting for OneView Migrated Licenses

What is new with HPE OneView Global Dashboard 2.5
- Modify alert severity of selective HPE OneView alerts
- Programmatic access to Remote Support service

What is new with HPE OneView Global Dashboard 2.4
Support for HPE Alletra 6000 and 9000 Storage Arrays

What is new with HPE OneView Global Dashboard 2.31
- SSO for local accounts is redesigned for a more user-friendly experience in the case customers frequently log of out or session certificates expire in the connected HPE OneView appliance

What is New with HPE OneView Global Dashboard 2.3
- Power report
- SSD wear report
- PCI card report
- Last update date of Entitlement/ Warranty added to the Contract and Warranty Report
- Add Rack location in Remote Support Service events report
- Superdome Flex 280 support compatible with current Flex Support

Standard Features

HPE OneView enables customers to build a software-defined infrastructure

Transform by automating complex tasks that will allow them to deploy their infrastructure faster, simplify lifecycle operations and increase their productivity.

Compose new infrastructure like code that will increase agility, enable predictability and provide better compliance due to the workloads remaining consistent.

Connect their new software-defined infrastructure by integrating third party tools within HPE OneView to help manage on-prem (core) to cloud workload requirements.

Transform with software-defined automation

Using HPE OneView, IT specialists create a catalogue of workload optimized infrastructure templates, which allows generalists to rapidly and reliably provision compute, storage, and fabric resources. These templates also can quickly provision physical, virtual, and containerized systems including BIOS settings, local RAID configuration, firmware baseline,   and shared storage and more. Software-defined intelligence allows IT to run multiple applications simultaneously with repeatable templates that that ensure high reliability, consistency, and control. Embedded automation also speeds provisioning and lowers operating expenses.

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HPE OneView simplifies lifecycle management across the entire infrastructure. IT can apply firmware and driver updates within the template, which ensures more advanced self-monitoring and maintenance tools and frictionless updates for important lifecycle ops like firmware and driver updates.

A consolidated and easy to use interface in HPE OneView provides a unified view of the health of servers, profiles, enclosures, storage, and networking. IT can also proactively monitor the health of the entire infrastructure, sending alerts before issues create any downtime.

The HPE OneView Global Dashboard extends this unified view across multiple datacenters anywhere in the world, providing a simple, efficient and unified view of the shared storage pools and the health status of servers, profiles and enclosures. This means better infrastructure visibility and more informed, faster decision-making.

In addition, HPE OneView enables you to receive 24x7 monitoring, pre-failure alerts, automatic call logging, automatic parts dispatch and contract/warrant display through integrated remote support. HPE Tech Care Services are also available to provide a personalized and proactive hands-on approach to maintaining an agile, healthy and reliable infrastructure.

Compose for any workload

Once IT software-defined IT processes with HPE OneView, IT administrators can easily compose on-premises physical infrastructure and manage it as code. The physical infrastructure of the datacenter is defined using software, which makes it programmable and able to be managed through one unified API. Using software templates, a single line of code can fully describe and compose all the physical resources required for an application, a virtual host, or a container infrastructure. This capability eliminates time-consuming scripting, allowing users to reduce the time it takes to compose new infrastructure.

When the infrastructure of the business needs to grow, profiles create new templates that spread across servers, storage, and networking simultaneously, automating the provisioning process over and over again. Composing new infrastructure is not only faster and more agile, it is also predictable because automation removes human error.

The HPE OneView unified API also provides performance, health, and configuration data to datacenter infrastructure management (DCIM) applications, which ensures a unified view of the infrastructure. These capabilities ensure IT spends less time managing infrastructure and more time creating value for the business.

A growing list of automation partners is taking advantage of the unified API in HPE OneView, providing businesses with a wide range of automation tools, including Ansible® by Red Hat®, PowerShell®, Python, Terraform, and VMware® vRealize® Orchestration.

Standard Features

Connect from core to cloud

HPE OneView enables IT administrators the ability to connect their software-defined infrastructure from core to cloud by provisioning turnkey private cloud infrastructure with a diverse partner ecosystem. IT organizations can leverage the partner ecosystem to integrate HPE OneView within their existing management frameworks with their preferred platforms. These capabilities allow teams to deliver projects consistently while meeting desired outcomes for key stakeholders.

Through HPE OneView integrations with ecosystem partners, IT administrators can automate deployment of modern enterprise applications. Operations of large scale production environments are streamlined because IT administrators no longer need to spend valuable time writing, debugging, and updating custom scripts. HPE OneView customers can now transform their infrastructure, compose every workload, and connect from core to cloud while still working with the composable ecosystem partners such as Morpheus, MicroFocus, and CANCOM.

Supported Products

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.

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.

HPE OneView Global Dashboard

HPE OneView Global Dashboard helps your IT staff troubleshoot alerts and view core inventory data for up to 75 HPE OneView appliances and 20,000 servers in multiple data centers across the globe. It provides unified view of health of all resources managed by HPE OneView including HPE ProLiant servers, HPE Synergy, HPE BladeSystem, HPE Apollo, HPE SimpliVity, HPE Alletra, HPE 3PAR, HPE Primera, HPE Superdome and HPE Superdome Flex systems. In context launch to HPE OneView, iLO and Onboard Administrator via single sign on enables powerful device lifecycle management.

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.

HPE OneView continues to advance software-defined intelligence with a new updated user interface for provisioning, updating, and integrating compute, storage, and networking infrastructure. This UI update makes HPE OneView even easier to use

Standard Features

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, Microsoft Hyper-V, or KVM 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.

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. GUI Restricted Scope Filtering provides OneView administrators the ability to restrict access of various users to a subset of resources managed by the appliance. This is a large benefit to IT operation teams and service providers who have a requirement to limit or partition views to only the resources that the IT operations representative or service provider account has the appropriate permission to access.

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 back up to a remote share.

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, iLO addresses, enclosure and server inventory, server profile inventory, and HPE OneView update history.

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.

HPE OneView Update Readiness Checker
The HPE OneView Update Readiness Checker evaluates the HPE OneView appliance health by looking for a set of known conditions that may impact a successful update, and if an issue is found it will provide the remediation steps. New items to check are regularly added to the HPE OneView Update Readiness Checker and the latest version is available online at: **hpe.com/support/ov-urc**. New within the HPE OneView 5.3 GUI is a direct link to get the latest HPE OneView Update Readiness Checker.

Standard Features

Maintenance Mode

This feature allows a Server administrator or Infrastructure administrator to put a server into a new mode, called Maintenance Mode. When a server is placed into this mode, email notifications are suppressed for just that resource, until the administrator manually disables the mode. With maintenance mode enabled, administrators will no longer be distracted by notifications for events that happen during routine operations such as a server reboot. Administrators can now use common multi-select 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.

HPE OneView Remote Support

HPE OneView provides integrated remote support that is part of the appliance. The customer can easily and securely register for remote support after providing contact information and any support partner details. Remote support can be enabled for all eligible devices, or for single devices at a time. Hardware failures will automatically trigger a support case to be opened with HPE.   The Case ID is provided in the OneView Service Event, with further case status updates via optional integration with Insight Online. HPE OneView Remote Support also provides contract & warranty information per device, and weekly alerts, with a downloadable CSV file listing any devices that have expired or are within 90, 60 or 30 days of expiry. With the latest release rack location information is included in the support tickets and email notification which helps identify which servers need attention and locate that device more conveniently.

HPE OneView Remote Technician

Speed issue resolution with HPE OneView Remote Technician. With HPE OneView Remote Technician, troubleshooting and resolving support issues is faster and easier. At your invitation, authenticated HPE Support technicians access your HPE OneView appliance through a secure TLS connection to troubleshoot and diagnose issues.

You do not have to be present when a trusted HPE Support technician diagnoses the issue, including downloading logs directly without the need for an FTP site. HPE OneView Remote Technician is built into HPE OneView 4.1 and later – no additional applications needed. To access HPE OneView Remote Technician, open the Diagnostics menu within the HPE OneView Settings page.

Notes: That it does not require HPE OneView Remote Support.

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, Gen9, Gen10 and Gen10 Plus 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. Trial versions of HPE OneView Advanced can be used for 60-days without charge.

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

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 BladeSystem 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).

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

Standard Features

HPE OneView Standard
Can be used for inventory, health monitoring, alerting, and reporting without additional fees. HPE OneView Standard can monitor Gen8, Gen9, Gen10, and Gen10 Plus ProLiant DL, ML and Apollo 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 an additional fee.

Software versions
The HPE OneView management appliance controls the licenses, and it can be obtained from **HPE Software Depot**

Automated Storage Provisioning
HPE OneView provides automated, policy-driven provisioning of storage resources. It is fully integrated with server profiles so that you can provision and manage SAN storage used by a server as you manage the server – all as a single resource. The software-defined nature of HPE OneView enables you to:
View and monitor your storage systems and their storage pools,
Provision new or existing SAN storage volumes for servers
Have OneView configure load balanced, redundant data paths from servers to their SAN storage volumes
Create volume templates to provision multiple volumes with the same configuration.

Automate SAN zoning on Fiber Channel SANs
Switched fabric, and direct attach (FlatSAN) SAN topologies are supported to configure data paths between HPE OneView managed servers , HPE 3PAR StoreServ, Alletra 9000, and StoreVirtual Storage Systems. HPE OneView supports the following infrastructure devices:
HPE 3PAR StoreServ, HPE Primera Storage systems and Alletra 9000 connected directly to an enclosure. (FC protocol)
HPE 3PAR StoreServ, HPE Primera Storage Systems and Alletra 9000 connected to HPE B-series or Brocade Fiber Channel SAN switches (SANs - managed through the HPE B-Series SAN Network Advisor or Brocade Network Advisor (BNA) software) (FC protocol)
HPE FlexFabric SAN switches (FC or FCoE protocol)
Cisco Nexus/MDS switches (FC or FCoE protocol)

Automatic SAN zoning
You can add Storage Area Network (SAN) Managers into OneView to enable automated SAN zoning on the SAN. 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 when constructing data paths from servers to SAN storage volumes – drive by server profile volume attachments. The latest release of HPE OneView provides faster provisioning for SAN volumes for HPE ProLiant DL and Apollo servers. Instead of taking hours to manually provision storage for DL and Apollo servers, HPE OneView automation allows IT administrators to complete the task in minutes with just a few clicks.

Brocade FOS REST api support
HPE OneView provides a migration path away from Brocade Network Advisor for automated SAN zoning to the new Brocade FOS REST api

Primera support
This feature supports server profile & template driven experience provisioning and attaching of Primera storage. Includes the ability to auto provision boot & data storage for servers from Primera arrays, auto configure Fibre Channel data paths between servers & Primera volumes, SAN auto-zoning, and enable OneView users to take advantage of Primera suite of storage data services. This feature supports multiple server types including Synergy, c-Class and Rack Servers

SAN storage path load balancing to multi-node/couplet - 3PAR, Primera, Nimble, Alletra 6000 and 9000
Provides customers enhanced customer experience by providing the ability to perform SAN volume attachment configuration path load balancing across Primera/3PAR/Nimble/Alletra 6000 and 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 & data), and their volume attach path configuration will automatically be load balanced across the SAN and storage system resources.

Standard Features

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, HPE VC FC 8Gb 24–Port, and HPE VC FC 16Gb 24–Port.

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 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 BladeSystem 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: Cisco Nexus 5548 switch, the Cisco Nexus 5596 switch, and the Cisco Nexus 6001 switch.

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 Gen9, Gen10 and Gen10 Plus 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, Gen9, Gen10, and Gen10 Plus), and zero downtime updates can be performed for these embedded 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

Standard Features

HPE ProLiant Gen 11 servers and HPE OneView

Server hardware alerts in OneView are based on Redfish events and not SNMP traps, and therefore, there will be differences in the alerts and the alerts descriptions/resolutions between pre-Gen11 and Gen11 servers. User can now view more alerts with DMTF industry standard messaging

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.

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.

The latest release of HPE OneView introduces an innovative concept for managing firmware compliance at scale for all Gen10 servers as well as shared infrastructure for HPE BladeSystem and Synergy. When a new firmware baseline (Service Pack for ProLiant) is loaded, HPE OneView generates a new Firmware Compliance view. HPE OneView will compare the installed firmware versions of the managed hardware with the new component versions in the added SPP and will generate this compliance report. Additionally, this feature allows the user to apply various filter views and export into excel and csv formats.

This new approach provides a quick and easy way to identify critical security updates at scale. This feature automates compliance reporting and protects against configuration drift (which ensures configuration consistency across the infrastructure.)

Notification of new HPE Service Pack content - HPE OneView provides an option to receive notifications of when new HPE Service Pack for ProLiant (SPP) or HPE Synergy Service Packs (SSP) have been released. Within the user interface (UI) you can opt in 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 to the HPE portal for downloading the content is also available in the UI.

Policy option for firmware management reduces firmware downgrade time Users can now downgrade firmware version without Force option turned on.

With this enhancement, HPE OneView 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.

Standard Features

Support for firmware updates without server profile
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 license.   No firmware compliance checking is performed for firmware updated outside a profile.

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. Pre-defined reports include: Alerts, Users, server Inventory, Server firmware, Enclosure and Interconnect inventory reports.

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.

To view aggregated information about HPE OneView appliances and resources across data centers, customers can also use the HPE OneView Global Dashboard reports. Customers can save, email or schedule these reports.   Predefined HPE OneView Global Dashboard reports include Firmware Compliance, Remote Support Service Events, Server Inventory, SPP Bundles, Warranty and contracts, Interconnect inventory and Licenses reports.

Remote management (HPE iLO Advanced)
HPE OneView Advanced licenses **iLO Advanced**, The HPE **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.)

Standard Features

Location Discovery Services enable HPE OneView Advanced to automatically know and display the exact 3D location of Gen, Gen9 and Gen10 servers within HPE Intelligent Series Racks. 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 workflows, 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, as well as SDK's for Ansible, Terraform, Chef, and Puppet are freely available to assist your custom integrations using the REST API. For more information, see **https://developer.hpe.com/platform/hpe-oneview/home/**

HPE also offers an **HPE OneView Redfish Toolkit** to help customers to take automations that use the **Redfish** specification and apply them to HPE OneView managed infrastructure without needing to do extensive re-scripting. Through this set of tools customers will be able to combine the power of HPE OneView templates to compose compute, storage and fabric with the flexibility of industry standards. See the **HPE OneView technical documentation.**

VMware vCenter, vRealize Operations, Log Insight, and Orchestrator (integrations)

HPE OneView for VMware vCenter seamlessly integrates the manageability features of HPE ProLiant, Synergy, BladeSystem, and Virtual Connect 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, vRealize Log Insight** and **vRealize Orchestrator** are also available that deliver powerful analytics and deeper troubleshooting tools to your VMware administrators.

Seamlessly integrate the HPE Converged Management with VMware management solutions

Perform integrated OS, driver, and firmware updates with VMware vSphere Lifecycle Manager (vLCM)

Simplify administration with VMware console access to the HPE infrastructure management.

Reduce downtime by automating responses to hardware events with support of VMware Proactive HA.

Proactively manage changes with detailed relationship dashboards.

Maintain stability and reliability with online firmware inventory and deployment.

Leverage deep analytics and troubleshooting using integrations with VMware vRealize Operations and Log Insight.

Standard Features

Integrations for VMware vRealize Orchestrator (VRO) provide an easy-to-use, drag and drop access to automation of HPE OneView managed hardware deployment, firmware updates and other life-cycle tasks using vRealize Orchestrator.
This integration enables you to provision, modify, and recover complex infrastructure -- both virtual and physical together -- from your preferred management console. To download, visit: **http://www.hpe.com/products/ovvcenter.**
Notes: VMware vCenter Server, vRealize Operations, Orchestrator, and Log Insight must be purchased separately and are not included with HPE OneView.

Microsoft System Center, Azure Log Analytics and Windows Admin Center (integrations)
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.
Manage the health of HPE ProLiant and Synergy servers without the need for loading OS-based SNMP agents or WBEM providers.
Launch HPE remote management tools (such as iLO, OA, and HPE OneView) directly from the SCOM console.

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.**

HPE OneView for Microsoft Azure Log Analytics
Provides hybrid cloud infrastructure management for on-premises HPE hardware and firmware inventory, health status, and alert analysis using cloud based Microsoft Azure Log Analytics. This solution gathers data from HPE OneView and HPE Synergy that is used by the powerful log analytics and query engine of Azure Log Analytics, allowing you to use the same hybrid cloud management tools for both public and on-premises environments. For more information, please visit **HPE OneView for Microsoft Azure Log Analytics | HPE Store US**

HPE OneView extension for Windows Admin Center
Provides server inventory, health status, firmware and driver monitoring, as well as network and storage fabric inventory of HPE ProLiant and Synergy servers, including HPE OneView Server Profiles and HPE Virtual Connect networking.. For more information, please visit **https://www.hpe.com/us/en/alliance/microsoft/ws-admin-center.html**

Notes: Microsoft System Center and Microsoft Azure Log Analytics must be purchased separately and are not included with HPE OneView.

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, Ansible, Arista, Chef, Eaton, MicroFocus, Puppet, Red Hat, OpenShift, Schneider Electric, Terraform and many others. Hewlett

Standard Features

Packard Enterprise 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. 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 **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, Gen10 Plus, and Gen11)
HPE OneView Standard supports inventory, health monitoring, alerting, and reporting on:
HPE ProLiant rack servers (Gen8, and Gen9, Gen10, Gen10 Plus, and Gen11)

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, virtualization Platforms for the Management Appliance
The HPE OneView management virtual appliance is a free software download at **http://www.hpe.com/downloads/OneView**

Notes: See the HPE OneView Support Matrix for the most current requirements at **HPE OneView technical documentation**

HPE OneView lifecycle
HPE OneView has begun to deliver features and fixes with a faster release cycle. As we continue to deliver features and fixes quicker, the HPE OneView patch support policy is being revised as follows: Starting with the HPE OneView V5.2 patches will be limited to critical security and high severity issues. General issues will be addressed in the next HPE OneView release.

LTS Release
HPE OneView release 6.6 is an LTS release
An HPE OneView long-term support (LTS) release offers extended support for an HPE hardware platform (server, network, storage device) until their software end-of-support-life (EOSL) date.
An LTS release can be patched, as required, to address security and other customer identified critical issues. The released LTS patch will not contain new features. 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 continue to use these EOL hardware platforms or devices, you must remain on the specified HPE OneView LTS release.
If you want to update to a future release then you must remove the EOL platforms.
Hewlett Packard Enterprise determines the LTS life cycle support period and this information is available on
https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00117617en_us
HPE OneView 7.0 offers HPE ProLiant servers and HPE Apollo systems Gen8 and later and HPE Superdome Flex and HPE Superdome Flex 280 servers seamless migration from HPE OneView 6.6

HPE OneView Global Dashboard lifecycle

For details on HPE OneView Global Dashboard Product Lifecycle please refer to page:
https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00118708en_us

Service and Support

Free up resources with Operational Services from HPE Pointnext Services

HPE delivers services for IT by using proven best practices as well as automation and methodologies that have been tested and refined by HPE experts and artificial intelligence through thousands of deployments globally. Choose from the recommended services for customers purchasing from Hewlett Packard Enterprise or an authorized reseller. Services are quoted using Hewlett Packard Enterprise order configuration tools.

HPE Pointnext Tech Care

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2 hour response time. Essential which provides a 15 minute response time 24x7 for most enterprise level customers, and Critical which includes a 6 hour repair commitment where available and outage management response for severity 1 incidents.

https://www.hpe.com/services/techcare

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care provides:
A complete coverage approach -- edge to cloud
An assigned HPE team
Modular and fully personalized engagement
Enhanced Incident Management experience with priority access
Digitally enabled and AI driven customer experience

https://www.hpe.com/services/completecare

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 **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. Required information for proper support registration includes end-user customer name, company address, and email address.

How to Use Your Software Technical Support and Update Service

Once registered, you will receive a service contract via email or postal 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

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."

Service and Support

Software and Drivers download page provide the latest software and drivers for your ProLiant products.

HPE Service Pack for ProLiant (SPP) with **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
http://www.hpe.com/info/hpsum

Contact Support
HPE Worldwide Customer Service contact numbers are available at **https://www.hpe.com/us/en/contact-hpe.html**

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

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 Overview and Configuration for Synergy (course # H0LP6AAE)
Installing HPE OneView (course # H9TS6AAE)
HPE OneView Administration (course # H4C04S or H4C04AAE)
HPE OneView for ProLiant DL/ML Servers (course # H9TR9S or H9TR9AAE)
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 **http://www.hpe.com/ww/learnconvergedsystems**.

Configuration Information

HPE OneView Advanced standalone licenses

HPE OneView Advanced with iLO Advanced

HPE OneView including 3yr 24x7 Support Physical 1-server LTU E5Y34A
HPE OneView including 3yr 24x7 Support Flexible Quantity E-LTU E5Y35AAE
HPE OneView including 3yr 24x7 Support Track 1-server LTU E5Y36A

Notes:

Licenses ship without media. The HPE OneView software can be downloaded at: **http://www.hpe.com/downloads/OneView**
Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.
(E5Y36A) 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 without iLO Advanced

HPE OneView w/o iLO including 3yr 24x7 Support 1-server LTU P8B24A
HPE OneView w/o iLO including 3yr 24x7 Support Track 1-server LTU P8B25A
HPE OneView w/o iLO including 3yr 24x7 Support Flexible Quantity E-LTU P8B26AAE

Notes:

Licenses ship without media. The HPE OneView software can be downloaded at: **http://www.hpe.com/downloads/OneView**
Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.
(P8B25A) 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

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 including 3yr 24x7 Support FIO Bundle Physical 1-server LTU E5Y43A
HPE OneView for ProLiant DL Server including 3yr 24x7 Support Bundle Track 1-server LTU E5Y44A

Notes:

Licenses ship without media. The HPE OneView software can be downloaded at: **http://www.hpe.com/downloads/OneView**
(E5Y44A) 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**
E5Y43A is not available and cannot be ordered for HPE OneView ProLiant Gen11 servers

HPE OneView Advanced without iLO Advanced
Server hardware required on same purchase order

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 w/o iLO including 3yr 24x7 Support 1-server FIO LTU P8B31A

Notes:

— Licenses ship without media. The HPE OneView software can be downloaded at
  http://www.hpe.com/downloads/OneView
— P8B31A is not available and cannot be ordered on HPE ProLiant Gen11 servers

Configuration Information

HPE OneView Advanced upgrade licenses

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

HPE OneView Upgrade from Insight Management 3yr 24x7 Support 1-server LTU	F6Q91A
HPE OneView Upgrade from Insight Management including 3yr 24x7 Support Flexible Quantity E-LTU	E5Y45AAE

Notes:

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

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

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 Flexible Quantity E-RTU	K6F98AAE

Notes:

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

This license is not per server but per HPE OneView appliance. Purchase and apply one license per HPE OneView appliance.

HPE OneView for Superdome Flex 3yr 24x7 Support E-LTU	R4P95AAE

Notes:

- This license is per Superdome FLEX chassis
- This SKU is required for HPE OneView Advanced license. This SKU is also required for HPE OneView standard, or/and HPE OneView Advanced support

Notes:

- HPE ProLiant CTO Gen11 servers ordered with COM basic SKU R6Z89AAE COM Std, 3yr, upfront as pre-enabled. Customers can replace COM R6Z89AAE SKU with one of the 2 HPE OneView FLEX SKUs
  - o HPE OV 3y 24x7 Supp Flex E-LTU
  - o HPE OV w/o iLO 3y 24x7 Flex Supp E-LTU

HPE Education Services

HPE Training Credits for Servers/Hybrid IT Services equates	HF385E/A1

Notes: To one day of open-scheduled training for one student, or typically 8 hours of eLearning.

HPE Support Center

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: **http://www.hpe.com/support/hpesc**

HPE's Support Center Mobile App* 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.

Notes: *HPE Support Center Mobile App is subject to local availability. For more information: **http://www.hpe.com/services**

HPE OneView Operational Services

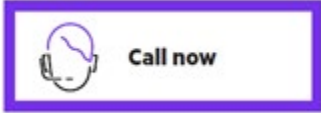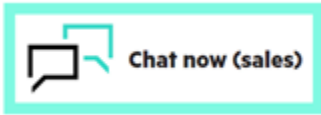|	
HPE 5 Year Tech Care Essential OneView with iLo Service	HW3M9E
HPE 5 Year Tech Care Essential OneView without iLo Service	HW3N5E

Summary of Changes

Date	Version History	Action	Description of Change
10-Nov-2022	Version 61	Changed	Overview and Standard Features sections were updated.
12-Sep-2022	Version 60	Changed	Overview section was updated
19-Jul-2022	Version 59	Changed	Overview section was updated
16-May-2022	Version 58	Changed	Overview, Standard Features, Service and Support and Configuration Information sections were updated Additional Options section was removed
21-Mar-2022	Version 57	Changed	Overview, Standard Features and Service and Support sections were updated
07-Feb-2022	Version 56	Changed	Overview and Standard Features sections were updated
12-Jan-2022	Version 55	Changed	Overview section was updated Obsolete SKU was removed
22-Nov-2021	Version 54	Changed	Overview section was updated
20-Sep-2021	Version 53	Changed	Overview and Standard Features sections were updated Service and Support Pointnext Tech Care and Complete Care information were updated
12-July-2021	Version 52	Changed	Overview, Standard Features and Additional Options sections were updated
03-May-2021	Version 51	Changed	Overview and Additional Options sections were updated
11-Mar-2021	Version 50	Changed	Overview, Standard Features, Service and Support, and Configuration Information sections were updated.
20-Nov-2020	Version 49	Changed	Overview and Standard Features sections were updated.
02-Nov-2020	Version 48	Changed	Overview and Standard Features sections were updated.
08-Sep-2020	Version 47	Changed	Overview and Standard Features, sections were updated.
13-Jul-2020	Version 46	Changed	Overview and Standard Features sections were updated.
09-Jun-2020	Version 45	Changed	Overview, Standard Features, Service and Support, Configuration Information and Additional Options sections were updated.
15-May-2020	Version 44	Changed	Overview, Standard Features, Service and Support and Configuration Information sections were updated.
06-Apr-2020	Version 43	Changed	Overview and Standard Features sections were updated.
02-Mar-2020	Version 42	Changed	Overview and Configuration Information sections were updated.
02-Dec-2019	Version 41	Changed	Overview section was updated.
04-Nov-2019	Version 40	Changed	Overview section was updated.
07-Oct-2019	Version 39	Changed	Overview and Configuration Information sections were updated.
03-Sep-2019	Version 38	Changed	Overview section was updated.
01-Jul-2019	Version 37	Changed	Overview, Standard Features, and Supported Product sections were updated.
03-Jun.2019	Version 36	Changed	Overview and Supported Product sections were updated.
02-Apr-2019	Version 35	Changed	Overview, Models, and Supported Products sections were updated.
		Removed	Obsolete SKUs were deleted: 763850-B21, 793314-B21, 793312-B21, 793310-B21, 741066-B21, 803861-B21, 795236-B21.
04-Feb-2019	Version 34	Changed	Overview and Supported Product sections were updated.
07-Jan-2019	Version 33	Changed	Overview sections was updated.
05-Nov-2018	Version 32	Changed	Overview section was updated.
04-Sep-2018	Version 31	Changed	Overview, Models, Service and Support, and Supported Product sections were updated.
04-Jun-2018	Version 30	Changed	Overview, Standard Features, Models, Supported Product, and Service and Support sections were updated.
02-Apr-2018	Version 29	Changed	Supported Products section was updated.
05-Feb-2018	Version 28	Changed	Overview section was updated.
18-Dec-2017	Version 27	Changed	Supported Products section was updated.
04-Dec-2017	Version 26	Changed	Standard Features, Supported Products, and Service and Support sections were updated.
10-Oct-2017	Version 25	Changed	Added the Global Dashboard information
25-Sep-2017	Version 24	Changed	Changes made throughout the QuickSpecs

Summary of Changes

Date	Version History	Action	Description of Change
07-Aug-2017	Version 23	Changed	Changes made to the Overview Section
11-Jul-2017	Version 22	Changed	Changes made throughout the QuickSpecs
05-Jun-2017	Version 21	Changed	Added the Global Dashboard 1.2
27-Mar-2017	Version 20	Changed	Changes made throughout the QuickSpecs
13-Feb-2017	Version 19	Changed	Changes made throughout the QuickSpecs
28-Nov-2016	Version 18	Changed	Changes made to the Supported Products and Overview Sections.
26-Sep-2016	Version 17	Changed	Changes made throughout the QuickSpecs
06-Jun-2016	Version 16	Changed	Changes made throughout the QuickSpecs
11-Mar-2016	Version 15	Changed	Typo on SKUSKU corrected (PB31A changed to P8B31A)
28-Sep-2015	Version 14	Changed	Changes made to the Overview, Models, Standard Features, Supported Products and Related Options Sections for the Thyme NPI.
01-Jun-2015	Version 13	Changed	Changes made to the Overview, Models, Standar Features and Related Options Sections
03-Apr-2015	Version 12	Changed	Changes made to the HPE Pointnext operational services section
30-Mar-2015	Version 11	Changed	Changes made to the Models and What´s New Sections. Update SKUs descriptions.
18-Dec-2014	Version 10	Changed	Changed made to the Service and Support and What´s New Sections.
01-Dec-2014	Version 9	Changed	Changes made throughout the QuickSpecs.
09-Sep-2014	Version 8	Changed	Gen9 Update, product descriptions updated
21-May-2014	Version 7	Changed	Text and format in Overview, Standard Features and Support Product sections were updated
18-Feb-2014	Version 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 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	Version 5	Changed	Changes made in the Models and the Supported Product sections.
22-Oct-2013	Version 4	Changed	Changes made in the North America Versions only.
04-Oct-2013	Version 3	Changed	Changes made to both remove and add various part numbers from the Standard Features and Related Options sections.
26-Sep-2013	Version 2	Added	Added "HPE" in front of OneView throughout the QuickSpecs.
25-Sep-2013	Version 1	Created	New QuickSpecs

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