

7 things you must know about HPE OneView

Infrastructure automation made easy

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What is HPE OneView?

A breakthrough infrastructure management tool that simplifies Hybrid IT and helps customers on the path to a composable infrastructure, HPE OneView is your infrastructure automation engine—integrating servers, storage, and networking into software-defined infrastructure. HPE OneView is designed to:

- Use software-defined intelligence with a template-driven approach to rapidly provision, update, and deploy servers, storage, and networking, reducing the risk of human errors
- Manage across compute, storage, and fabric with a single, easy-to-use interface for single-pane-of-glass infrastructure management
- Leverage a modern, standards-based API and a large and growing composable partner ecosystem to increase the speed of IT delivery for new apps and services while efficiently managing traditional IT, giving you the confidence that you are investing in an architecture for the future with solid support
- Reduce the risk of unauthorized user access to system management resources with enhanced authentication and encryption security features of SNMPv3, two-factor authentication, and scope-based access
- Simplify IT operations by rapidly bringing hundreds of servers into an HPE OneView environment in just a few clicks, dramatically shortening server setup time with the new auto discovery feature

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Key features



Deploy infrastructure at cloud-like speed

- **Save time to stand up infrastructure**—From hours to minutes.
- **Rapidly provision servers with template-based automation at scale**—Requiring the same effort to deploy one server or thousands.
- **Instantly compose the industry's most comprehensive storage**—Across SAN, SDS, and DAS.



Simplify lifecycle operations

- **Liberate valuable resources by reducing administrative time by up to 73%**—Using template-driven firmware automation.
- **Increase security of HPE OneView environments and protect against cyberattacks**—With scope-based access control, two-factor authentication, and SNMPv3 support built into HPE OneView.
- **Get near real-time visibility of the health and status of thousands of HPE servers and storage across the globe in multiple data centers with the HPE OneView Global Dashboard**—Delivering unified management of HPE BladeSystem c-Class, HPE ProLiant DL/ML servers, HPE HyperConverged 380, HPE Synergy, HPE Apollo Systems, HPE 3PAR StoreServ, and HPE StoreVirtual VSA storage in a single view, with datacenter scale of up to 25 appliances/composers, 54 enclosures, and 150 HPE HyperConverged 380 systems.
- **Keep the business running with integrated 24x7 remote support of HPE infrastructure**—Providing monitoring, pre-failure alerts, automatic call logging, automatic parts dispatch, the ability to turn off remote support at the device level for ease of maintenance, and contract/warranty display on each device.
- **Extended HPE platform support**—In addition to HPE BladeSystems and HPE 3PAR StoreServ storage support, also includes, HPE Apollo 2000, 4000, 6000, and HPE ProLiant ML350 Gen9 advanced management, as well as standard monitoring support for HPE Superdome X and the rest of the HPE ProLiant ML Gen8 and Gen9 server family and HPE StoreVirtual VSA iSCSI storage.
- **Automate HPE server hardware discovery**—Rapidly bring hundreds of servers into a OneView environment in just a few clicks, dramatically shortening server setup time.



Deliver more apps faster

- **Unified API**—Enabling developers and IT administrators/generalists to automate infrastructure deployment and updates without detailed knowledge of how the underlying hardware works.
- **53% reduction in average software build time**—From 74 minutes to 34 minutes using a Docker container host.¹
- **Elimination of thousands of lines of error-prone code and time-consuming custom scripts**—Using just a few lines of single code.
- **Deployment of HPE Synergy with HPE Helion CloudSystem 10**—Enabling you to run private cloud services and traditional apps on a shared infrastructure.
- **Maximum choice and flexibility with extensive partner integrations through the HPE OneView Composable Infrastructure Partner Program**—VMware, Microsoft, Chef, Docker, Ansible, Puppet, and many more. Now including Morpheus Data, Cancom, and InContinuum for hybrid cloud management.

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Why HPE OneView?



Software-defined intelligence
enables infrastructure automation across servers, storage, and fabric, reducing IT costs; faster provisioning of servers and storage in seconds versus hours



Global Dashboard
provides near real-time intelligence for faster decision-making in managing thousands of HPE servers and storage in multiple data centers across the globe



A path to composable
enables bare-metal and single-line-of-code provisioning



Simplified lifecycle operations
reduces risk of human error with template-based automation of firmware and device driver updates; develop once and replicate many times; rapidly bring hundreds of servers into an HPE OneView environment in just a few clicks, dramatically shortening server setup time with auto discovery



Enhanced security
provides better visibility and control of your vital infrastructure information and reduces the risk of unauthorized user access to system management resources



Single infrastructure management tool
consolidates multiple tools so you can manage your compute, server, and fabric via a single, unified view of your infrastructure

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Migration path

Migrating to HPE OneView simplifies your day-to-day infrastructure management and hardware compliance by consolidating tools and providing a single interface to manage your servers, storage, and networking.

HPE BladeSystem c-Class, ProLiant DL and ML, and Apollo servers—as well as HPE 3PAR StoreServ and StoreVirtual VSA storage customers—can deploy HPE OneView and accelerate time-to-value with a free migration assistance assessment tool, HPE migration support services, and HPE Education Services. HPE Virtual Connect users can leverage the fast, in-service virtual connect migration feature in HPE OneView for zero downtime. Contact your HPE sales representative for more information.



Services that accelerate adoption of HPE OneView

- **HPE OneView installation and HPE BladeSystem c7000 migration service**
For one enclosure (U1V79E and H6K68A1); up to four additional enclosures (H4W69E and H8Q65A1)
- **HPE OneView Implementation Services**
(U1V78E and H6K67A1)
- **HPE Education Services**
 - H7H10S HPE OneView Quick Start (1 day)
 - H4C04S HPE OneView Administration (3 days)
 - H0LL8S Migrating to HPE OneView (1 day)
 - H4C04AAE HPE OneView V3.1 Overview (1 hour, self-paced WBT, free with purchase of HPE OneView Advanced)

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HPE composable infrastructure

Not only does HPE OneView simplify the management of your hybrid infrastructure today, but it also ensures a smooth transition to a composable future. HPE OneView provides the software-defined intelligence and unified API you need to compose and manage infrastructure with a single line of code. With HPE OneView, you can optimize resources and enable them to be easily assembled, disassembled, and reallocated based on the needs of your business.

Through the HPE composable infrastructure ecosystem program, an extensive list of partner integrations simplifies IT and allows independent software vendors and developers to take advantage of the Unified API in HPE OneView to automate provisioning and management of physical infrastructure.



Software-defined intelligence
Using template-driven, single-touch provisioning



Unified API
A single line of code for your "Infrastructure as Code"



Fluid resource pools
Effortlessly meeting changing application needs

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Customer use cases

"We have a finite set of resources, and we are trying to provide the most impact to our researchers, our educators, and to the entrepreneurs that are on HudsonAlpha's campus. We do that with technology."
- **HudsonAlpha**



"Porsche needed to ensure its business-critical apps remained highly available 24x7 and drive 100% accuracy of its business outcomes. The company chose HPE Synergy and HPE OneView to help them meet these goals."
- **Porsche**



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Explore HPE OneView

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