

# 7 things you must know about HPE OneView

The foundation of a software-defined infrastructure

## 1



### What is HPE OneView?

A breakthrough infrastructure management tool that simplifies **hybrid cloud** and helps customers on the path to a composable infrastructure, **HPE OneView** is the foundation for a software-defined data center—transforming 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
- 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
- Keep the highest levels of security with support for CNSA mode and now FIPS 140-2 validated for cryptographic modules
- Simplify IT operations by significantly reducing or eliminating downtime with non-disruptive firmware and driver updates

## 2

### Key features

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

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

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

- **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. Now including cluster profiles for faster VMware® deployment.
- **Instantly compose the industry's most comprehensive storage**—Across SAN, SDS, and DAS.
- **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.<sup>1</sup>
- **Elimination of thousands of lines of error-prone code and time-consuming custom scripts**—Using just a few lines of code.
- **Maximum choice and flexibility with extensive partner integrations through the HPE Composable Partner Program**—VMware, Microsoft®, Chef, Docker, Ansible, Puppet, and many more. Now including Morpheus Data, CANCOM, and InContinuum for hybrid cloud management.
- **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. Now with the highest levels of security with support for CNSA mode and FIPS 140-2 validated for cryptographic modules. Use the new firmware compliance dashboard to quickly identify critical security updates at scale and automate compliance reporting.
- **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 a unified view of HPE Synergy, HPE BladeSystem c-Class, HPE ProLiant DL/ML servers, HPE Hyper Converged 380, HPE Apollo systems, HPE SimpliVity, HPE 3PAR StoreServ, and HPE StoreVirtual VSA storage in a single view, with data center scale of up to 75 HPE appliances or HPE Synergy Composers, 150 HPE Hyper Converged 380 systems, and 25 HPE SimpliVity 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.
- **HPE OneView Remote Technician**—For even faster problem resolution, HPE OneView Remote Technician allows you to grant temporary, secure access on a case-by-case basis for live assistance from an HPE service technician.
- **Extended HPE platform support**—In addition to HPE BladeSystem and HPE 3PAR StoreServ storage support, also includes, HPE Apollo 2000, 4000, 6000, and HPE ProLiant ML350 Gen9/10 advanced management, as well as standard monitoring support for HPE Superdome X and the rest of the HPE ProLiant ML Gen8, Gen9, and Gen10 server family and HPE StoreVirtual VSA iSCSI storage.
- **Automate HPE server hardware discovery**—Rapidly bring hundreds of servers into an HPE OneView environment in just a few clicks, dramatically shortening server setup time.

## 3

### Why HPE OneView



#### Software-defined intelligence

enables infrastructure automation across servers, storage, and fabric, reducing IT costs; faster provisioning of servers and storage in minutes 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 compossibility

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

meets the needs for the highest security protocols, 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

## 4

### 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 Startup Installation and Configuration Service (fixed, U1V78E; flex, H6K67A1) includes an orientation session on how to use the software.
- HPE OneView Installation and HPE BladeSystem c7000 Migration Service (fixed, U1V79E; flex, H6K68A1) assist you in transitioning to HPE OneView from VCEM, as well as accelerating and simplifying deployment.
- HPE Startup BladeSystem c7000 Infrastructure Service (fixed, UE602E; flex, HA114A1#5FY) is a c7000 hardware installation service that allows you to also install and configure HPE OneView at the same time as the hardware installation.
- **HPE Education Services**
  - HPE OneView Overview and Configuration for Synergy WBT (course # HOLN3AAE) is a two-hour online course that demonstrates key solution elements to help you get started.
  - HPE OneView Administration (course # H4C04S) is a three-day instructor-led course that covers deeper-level HPE OneView administration with Virtual Connect network and storage configurations, scripting skills, and performing day-to-day administration and troubleshooting tasks. This can be delivered on-site face-to-face or virtually using our award-winning Virtual Instructor-Led Training methodology.
  - A wealth of supporting eLearning for the HPE OneView ecosystem with short self-paced sessions on HPE OneView integration with VMware vCenter®, Microsoft System Center, and other technologies.

For more information, visit [education.hpe.com/ww/en/training/index.html](http://education.hpe.com/ww/en/training/index.html)

## 5

### 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 composed and recomposed based on the needs of your business.

Through the **HPE Composable Partner 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

## 6

### Customer use cases

"HPE OneView is centralized, fast, and easy to use. I no longer need to check servers manually every day. It saves me time so I can focus on other, more strategic business needs."

- Eifetex

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

- Porsche Informatik

## 7

### Explore HPE OneView

[hpe.com/info/tryoneview](http://hpe.com/info/tryoneview)

[hpe.com/info/hpeoneview](http://hpe.com/info/hpeoneview)

[hpe.com/products/ovglobaldashboard](http://hpe.com/products/ovglobaldashboard)

[hpe.com/info/composableprogram](http://hpe.com/info/composableprogram)

<sup>1</sup> HPE Labs internal testing, April 2017