


Hewlett Packard
Enterprise

INFRASTRUCTURE AUTOMATION MADE SIMPLE

HPE OneView





BUILD A FOUNDATION FOR A SOFTWARE-DEFINED INFRASTRUCTURE

Streamline IT operations through automation. HPE OneView is the foundation for a software-defined infrastructure—increasing the speed of IT delivery for new applications and services, while still efficiently managing your traditional IT.

FACING NEW CHALLENGES, NEW REQUIREMENTS, AND NEW OPERATING MODELS

Businesses are managing and consuming IT services across a hybrid infrastructure that combines traditional IT along with private, managed, and public clouds. Managing this type of infrastructure is complex and time-consuming, because common tools and automation are lacking. Many IT administrators often waste countless hours on manual tasks that are prone to errors. On top of that, they must respond to constant change requests, which typically require manual intervention and specialized skills to adjust their on-premises infrastructure.

Complicated lifecycle operations make it difficult for businesses to support current IT tasks, much less new ideas and applications across a hybrid and multicloud infrastructure. Today's IT must be more agile—providing developers and lines of business with more simplified and automated solutions that increase speed, productivity, and innovation.

HPE OneView meets all of these needs and many more. With HPE OneView, you can:

- **Transform to software defined infrastructure**
 - Deploy infrastructure faster
 - Simplify lifecycle operations
 - Increase productivity
- **Compose for any workload**
 - Use infrastructure like code
 - Automate and increase agility
 - Enable predictability and compliance
- **Connect from core to cloud**
 - Provision turnkey private cloud infrastructure
 - Integrate with preferred platforms
 - Deliver projects and outcomes



Transform with software defined infrastructure

Transform on-premises infrastructure by automating complex tasks with software. IT organizations want to spend less time deploying and managing hardware and more time delivering IT services. Software-defined automation in HPE OneView enables IT administrators to deploy infrastructure faster, simplify lifecycle operations, and increase productivity.

Using HPE OneView, IT administrators create a catalog of workload optimized infrastructure templates, which allows generalists to rapidly and reliably provision compute, storage, and fabric resources. These templates can quickly provision physical, virtual, and containerized host systems including BIOS settings, local RAID configuration, firmware baseline, and shared storage and more. Software-defined intelligence enables automated provisioning with repeatable templates that ensure high reliability, consistency, and control, which all lead to lower operating expenses.

HPE OneView simplifies lifecycle management across the entire infrastructure. IT can apply firmware and driver updates within the template that provides a reliable and non-disruptive way to firmware 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 administrators 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 data centers 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.

Plug-ins connect HPE OneView with VMware vCenter® and Microsoft Systems Center. IT administrators can perform routine physical infrastructure management tasks like updating firmware and expanding clusters without leaving the tools they are familiar using.

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 composable ecosystem partners, IT administrators can link HPE OneView as a physical infrastructure provider into open-source, DevOps, or Cloud tools. 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, Micro Focus, and CANCOM.

HPE Composable Ecosystem 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, Morpheus Arista, Chef, Densify.com, Docker, Eaton, Schneider Electric, Terraform, and many others.

HPE is continuing to work with ISV partners to further enhance and expand the HPE Composable Ecosystem. By integrating with the unified API in HPE OneView, ISVs can provide solutions that reduce the time their customers spend managing their environments. Recently introduced integrations with HPE OneView include:

- **Chef Software:** Chef Automate gives you a full-stack continuous deployment pipeline, automated testing for compliance and security, as well as visibility into everything that's happening along the way.
- **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.

For more information, please refer to hpe.com/info/composableprogram.

HPE Composable Ecosystem Partner Plug-ins

- Microsoft System Center integration provides support for HPE ProLiant, and HPE Synergy Gen10, Integrity Superdome Flex, Synergy Composer with HPE OneView, as well as firmware and driver support from the latest SPP.
- 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.
- VMware® integration adds integrated VMware ESXi™ deployment for ProLiant Gen9 and Gen10 servers, rolling cluster firmware updates directly from the VMware vSphere® client, and enhanced cluster consistency checking and reporting.
- HPE OneView of VMware vRealize® Orchestrator™ provides an easy-to-use, drag and drop access to automation of HPE OneView managed hardware deployment and firmware updates, including new workflows for iLO Virtual Media ESXi OS installation, online firmware updates, and import hosts and clusters using vRealize Orchestrator.
- Support for VMware vRealize® Operations Manager™ 6.7, including support for HPE Synergy D3940 storage enclosures, more detailed alert descriptions, and HPE OneView Remote Support alerts.

Compose for any workload

Once processes have been software-defined with HPE OneView, IT administrators can easily compose on-premises physical infrastructure. The physical infrastructure of the data center is defined using software, which makes it programmable and able to be managed as code 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.

A growing list of automation partners are taking advantage of the unified API in HPE OneView, providing IT administrators with a wide range of automation tools, including Ansible by Red Hat®, Chef Software, Puppet, PowerShell, Python, Terraform, and VMware vRealize® Orchestration (VRO). Using the unified API in conjunction with these popular tools, IT administrators can rapidly deploy and update servers, storage, and networking simultaneously. Composing new infrastructure is not only faster and more agile, it is also predictable because automation reduces human error.

Accelerate time to value

HPE Pointnext Services

- HPE OneView Installation & Startup Services.
- HPE OneView Startup Installation and Configuration Service includes an orientation session on how to use the software.
- HPE OneView Installation and HPE BladeSystem c7000 Migration Service assists you in transitioning to HPE OneView from VCEM, as well as accelerating and simplifying deployment.
- HPE Startup BladeSystem c7000 Infrastructure Service 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 training from HPE Education Services includes a broad range of courses that help you develop skills on your journey to composable infrastructure:
 - HPE OneView Overview and Configuration for 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 hpe.com/ww/learnconvergedsystems.

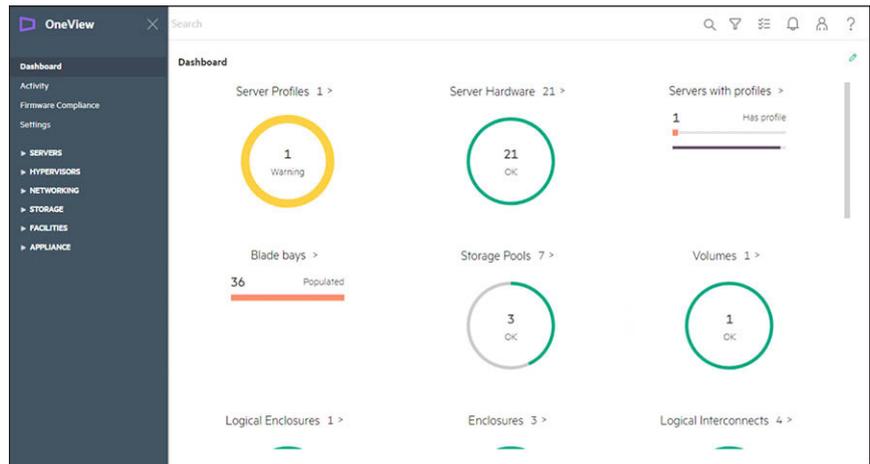


FIGURE 1. HPE OneView dashboard



REAL-LIFE RESULTS

Retraites Populaires required an efficient, effective way to handle its newly installed HPE Synergy composable infrastructure. HPE OneView management software provided the automation they needed. The company is using the solution to realize significant efficiencies in a number of ways:

IT matters

Case study

- Allowed a single IT professional to oversee entire company infrastructure
- Automated and simplified IT management and operations
- Reduced system update time thanks to automated, orchestrated updating
- Helped minimize IT operational disruptions
- Reduced reliance on external technical support
- Enabled the networking and storage teams to focus on more strategic business matters



Case study

NXP need to improve visibility into global HPE infrastructure to diagnose and resolve issues more efficiently. Unlike a manufacturing IT environment, where systems stability is key, R&D IT must constantly push the boundaries of performance and speed. They were able to benefit from:

- Single management pane simplifies and speeds detection of infrastructure issues
- Reports quickly show available frame capacity when purchasing new compute servers
- Allows quick resolution of IT issues, providing always-on availability for R&D engineers pushing the boundaries of performance and speed
- Decreases IT contractor time—and budget—spent on routine capacity management and error tracking tasks

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LET'S GET STARTED

Contact your HPE sales representative to schedule a live demonstration of the unique capabilities of HPE OneView. Try HPE OneView in your environment with a [60-day instant free trial](#). Download the software and start using it today. Discover how HPE OneView's breakthrough capabilities can change your business—forever.



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