

Step up to the software-defined data center

HPE OneView with VMware

By integrating infrastructure management into VMware vCenter Server and VMware vRealize Operations Manager, your virtualization administrators can eliminate infrastructure complexity with automation simplicity.

The HPE and VMware advantage

HPE and VMware offer a tightly-aligned portfolio of joint solutions that allow you to leverage current investments and help you achieve better performance. The solutions provide the flexibility you need for the next steps in virtualization, automation, and cloud for your business. We also test and validate our joint solutions so they perform at their best, right from the start, making your infrastructure vastly simpler and more efficient.

Business value you can count on

HPE and VMware collaborate closely to excel in what really matters to your business—innovation, time-to-value, and cost of ownership.

- Automated cluster creation is **more than 6X faster**, compared to using current server, SAN, and storage management tools.¹
- Server configuration time is reduced by **96 percent**.²
- The number of management tools to learn, manage, deploy, and integrate is reduced by **50 percent**.³

¹ Based on HPE internal testing as of May 2014 comparing HPE One View v1.10 vs. traditional HPE management tools.

² Based on HPE internal testing as of August 2013 comparing HPE One View v1 vs. traditional HPE management tools, each deploying 16 servers.

³ Based on HPE internal analysis in May 2014 comparing HPE OneView 1.10 vs. the traditional approach to server and storage management requiring eight tools.

New IT trends, new challenges

Data centers are growing more complex. Siloed infrastructure, management, and processes lead to more steps, time, and opportunity for error. There are too many non-standard manual tasks, an over-reliance on subject matter experts, and an ever-expanding backlog of projects.

To help control complexity, future-focused companies are deploying cutting-edge virtualization management tools, software-defined networks and storage, and converged infrastructure stacks. Doing so lays the groundwork for the software-defined data center (SDDC)—where all infrastructure is virtualized, pooled, and delivered as a service.

The potential benefit of the SDDC is far-reaching—enabling an integrated architecture that supports the merger of legacy architectures, cloud computing, and workload-centric architectures into a single, manageable domain. HPE and VMware stand on the forefront of this trend, leveraging our extensive investment in joint research and development to help your organization achieve your vision of the SDDC.

An essential part of that vision is to provide an integrated management solution that expedites system deployment, speeds problem resolution, and scales to meet your new business needs. That solution is

available today. It enhances and extends the management functionality of VMware vCenter through integration with HPE OneView.

HPE automation and VMware virtualization management

The integration with VMware vCenter and VMware vRealize Operations Management Suite with HPE OneView enables you to take an important step toward an SDDC. It unifies processes, user interfaces, and application programming interfaces across servers, storage, and networking. HPE OneView integrated with VMware management software enables your virtualization administrators to automate routine lifecycle management of these resources—without detailed knowledge of each device.

- **Converge** operations by integrating server, storage, and networking management within HPE OneView integrated with VMware vCenter Server and vRealize Operations Management Suite. This comprehensive suite provides analytics for performance and health, as well as proactive monitoring. It also facilitates faster resolution of performance problems with HPE OneView-managed hosts.
- **Software-define** your processes using templates and infrastructure mapping to ensure rapid, repeatable, and reliable operations at a lower cost.

Solution brief

- **Automate** management functions using an intelligent hub that streamlines delivery of IT services and speeds the transition to IT-as-a Service and hybrid cloud.

A new management approach

Shifting the focus from “devices” to “how people work,” HPE OneView offers an exciting new approach to infrastructure management. HPE OneView leverages the power of the innovative automation hub to deliver simplified and consistent management across servers, storage, and networking.

HPE OneView’s software-defined approach to infrastructure management is designed to automate the delivery of IT services, transforming everyday management of IT resources in both physical and virtual environments.

This open and programmable platform is very extensible. In addition to VMware vRealize Operations Manager, HPE OneView also integrates seamlessly with HPE and third-party management tools to efficiently orchestrate IT service delivery workflows.

Simpler is better

Rather than use multiple tools, you can provision, monitor, update, and scale server,

storage, and networking resources without having to leave the vCenter console. Today, HPE OneView is the only vendor that offers this level of simplicity.

Here are some examples of what you can do with HPE OneView and VMware vCenter working together.

- Use wizards to deploy a VMware vSphere cluster in just five⁴ easy steps
- Create or grow a cluster consistently and reliably with HPE OneView profiles and reference host
- Automatically synchronize physical and virtual networks
- Create and expand VMware vSphere data stores, even if you have no knowledge of the underlying hardware

Speed service delivery

Using the automation features provided by HPE OneView, you receive not only superior speed, but also greater efficiency and reliability in your SDDC. Through automation and software-defined resource mapping, you can:

- Troubleshoot a network problem in four steps in 30 seconds, compared to 480 steps in two hours⁵
- Visualize connectivity between storage, compute, and virtualized workloads
- Clone virtual machines in seconds⁶
- Automatically evacuate virtual machines from problem hosts with vCenter Distributed Resource Scheduler
- Provision VMware vSphere ESX hosts more than 20X faster⁷

and orchestration capabilities into any IT service delivery workflow—enabling complex services to be deployed in an easily repeatable fashion.

- Use four commands to access all HPE OneView telemetry and control functions
- Replace the “hodge-podge” approach of traditional systems with a consistent, efficient model
- Enable VMware applications to react as necessary to infrastructure changes
- Interoperate with HPE Insight Control, HPE Helion (formerly HPE Cloud OS), HPE Matrix Operating Environment, HPE 3PAR StoreServ storage, and HPE Intelligent Management Center

Get the service you need

To expedite deployment of HPE OneView with VMware vCenter, you can work with HPE Services as your single-source provider. HPE Services can help your organization harness the unrealized potential of your HPE and VMware environment.

Our services range from strategy and governance to technology, training, and process re-engineering. With HPE Services, you’re covered—every step of the way.

Learn more at
hpe.com/info/ovvcenter
hpe.com/info/oneview
hpe.com/info/vmware

Extend the benefits

By exposing all HPE OneView management functions through four standards-based REST commands, you can extend automation

⁴, ⁶ Determined during HPE internal testing, January 2014

⁵, ⁷ Based on HPE internal testing, September 2013



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