Unite infrastructure management
HPE OneView for VMware vCenter
One unified management solution

A highly efficient approach to infrastructure management, designed to simplify your Hybrid IT environment, help you capitalize on digital disruption, and enable you to move toward the software-defined data center.

Embracing digital disruption

While the word disruption often has a negative connotation, “digital disruption” delivers exciting new technologies and models that enable you to re-evaluate your current business operations and IT approaches—helping you turn ideas into value faster than your competition.

But like many organizations, your IT infrastructure might not be designed to handle the demands of this new digital environment. If you engage in complex manual processes and use non-integrated management tools, your IT might fail to provide the speed and simplicity you need to support new ideas, models, and applications that accompany digital disruption.

One such model is Hybrid IT, where businesses consume IT services across a complex mix of traditional IT and private, public, and managed clouds. To manage this complexity and compete more effectively, you need a breakthrough management tool that simplifies Hybrid IT—enabling you to move faster, streamline lifecycle operations, and increase productivity.

The solution you need is available today from HPE and VMware®. It’s called HPE OneView for VMware vCenter®, and it’s designed to bring the power of HPE OneView to VMware environments—including VMware vCenter Server®, VMware vRealize® Operations Manager™, and VMware vRealize® Log Insight™. Using HPE OneView for VMware vCenter, your IT admins can use familiar VMware tools to complete HPE management tasks—all from a single management console.

Seamless integration is the key

HPE OneView for VMware vCenter seamlessly integrates the manageability features of HPE OneView, HPE ProLiant servers, HPE Synergy, HPE BladeSystem, HPE Networking, and HPE Storage into the VMware consoles. This deep integration enables you to take an important step toward the software-defined data center (SDDC) by allowing virtualization administrators to automate control of HPE compute, storage, and networking resources without detailed knowledge of each device.

By integrating HPE infrastructure management features directly into VMware vCenter, administrators can use a familiar VMware management toolset to deploy, monitor, manage, and update HPE infrastructure resources from the vCenter console. Using wizards, administrators can deploy a VMware ESXi™ cluster in a few easy steps, as well as easily create storage volumes and ESXi datastores.

In addition, HPE OneView makes the delivery and maintenance of IT services fast, cost-effective, and reliable. The visual mapping of virtualized workloads to physical resources enables IT admins to troubleshoot network problems in a matter of seconds.1

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1 Based on HPE internal analysis of HPE OneView.
Plug in and run

Easy to download, deploy, and use, these solutions are packaged as plug-ins and serve as an intelligent bridge between VMware vCenter, vRealize Operations Manager, and vRealize Log Insight, as well as HPE infrastructure and HPE OneView. All three of the following sets of integrations are licensed as part of HPE OneView.

**VMware vCenter integrations**
- Comprehensive system health and alerting in VMware vCenter
- Deep levels of HPE server, blade, firmware, and infrastructure inventory and management
- End-to-end view of the HPE networking environment
- Ability to create or grow VMware clusters from HPE OneView profiles
- Monitor and manage health, configuration, and capacity of HPE Storage

**VMware vRealize Operations Manager integrations**
- Provides integrated and highly automated performance, capacity, configuration compliance, and cost management tools to the vRealize Operations Manager custom graphical user interface (GUI)
- Uses the VMware analytics engine to analyze what is normal, and then applies that baseline to a dynamic server environment

**VMware vRealize Log Insight integrations**
- Provides log aggregation and indexing with search and analytics capabilities
- Collects, imports, and analyzes logs to provide information related to systems, services, and applications

**Proactively manage change**

Rather than view your physical and virtual infrastructure as two distinct entities, you can use HPE OneView for VMware vCenter to manage both environments as one. Providing detailed insight into the relationship between your physical and virtual infrastructures, HPE OneView for VMware vCenter automates tracking, enhances management productivity, and helps you proactively manage change—leading to higher overall quality of service.

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1. Based on HPE OneView analysis.
Your infrastructure automation engine

HPE OneView is designed to increase the speed of IT delivery for new applications and services, while still efficiently managing your traditional IT. Through software-defined intelligence, HPE OneView takes a template-driven approach to provisioning, updating, and integrating compute, storage, and networking infrastructure.

Designed with a modern standards-based API and supported by a large and growing partner ecosystem, HPE OneView also makes it easy to integrate powerful infrastructure automation that improves your productivity. HPE OneView enables you to:

• **Deploy infrastructure faster**—With template-based automation, IT generalists can rapidly and reliably provision resources in response to application owner requirements.

• **Simplify operations**—Agentless monitoring, online firmware updates, and a Global Dashboard deliver streamlined lifecycle operations at enterprise scale.

• **Increase productivity**—The unified API enables you to accelerate applications and services, giving your developers and IT administrators the power to automate infrastructure with a single line of code.

When managing HPE Storage, you receive detailed mappings of the virtual environment to the physical environment. This feature enhances the VMware and HPE Storage administrators’ visibility into logical unit number attributes, path configuration, replication information, and storage array health. The plug-in storage module shows path configurations between virtual machines, datastores, virtual disks, physical disks, and storage array disks. In addition, the storage module interface offers a flexible, tabular format with intuitive controls to select and sort mappings. The tabular format enables administrators to arrange, select, or hide columns to create customized views.

**Increase capacity on demand**

HPE OneView for VMware vCenter contains powerful provisioning tools directly accessible from the VMware vSphere® console. These tools allow administrators to create and expand compute and storage resources to support your virtualized environment.

When physical compute resources are needed, you can deploy them on bare-metal HPE ProLiant or HPE Synergy servers in your VMware ESXi environment. Once provisioned, you can send these newly available compute resources to the appropriate VMware cluster.

During large-scale deployments, unified management of virtual and physical infrastructure enables you to produce reliable and consistent configurations across numerous servers and multiple sites, while also lowering overall IT resource requirements. The result is faster server deployment. In fact, some customers have achieved 12X faster server deployment—20 minutes as opposed to four hours—by using HPE OneView for VMware vCenter.3

When additional storage resources are required, administrators can use the powerful HPE Storage provisioning tools, directly accessible from the vSphere console context menu. These tools enable administrators to:

• Create and expand datastores
• Delete empty datastores and unassociated volumes
• Create new volumes or array-based snapshots, depending on the requirement
• Create virtual machines from a template or clone virtual machines

**Get the service you need**

To expedite your deployment of HPE OneView and HPE OneView for VMware vCenter, you can work with HPE Pointnext as your single-source provider. HPE Pointnext can help you harness the unrealized potential of your HPE and VMware environment. You can discover how to connect the intelligence scattered across your ecosystem and reconcile data silos. You can flow the knowledge gained across your business, and then leverage the information to drive better results.

You can choose from services ranging from strategy and governance to technology, training, and process re-engineering. With HPE Pointnext, you’re covered—every step of the way.

Learn more at

[hpacaknowledgments]

hpe.com/products/ovvcenter
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