One unified management solution

To ensure business growth and success, you need to create competitive differentiation. Differentiation requires innovation. And innovation requires leveraging your IT and transitioning to a software-defined data center (SDDC). You can do it—with HP OneView for VMware vCenter.

Meet changing demands

Your technology infrastructure is integral to your business operations and success. But as complexity continues to rise—with more physical systems and virtual machines running in a geographically distributed environment—growing your technology infrastructure is increasingly challenging. Manual deployment processes are time consuming and often yield inconsistent results.

IT organizations are rapidly moving toward software-defined data centers, and HP and VMware are partnering to help our joint customers streamline this transition. Working together, HP and VMware integrated HP OneView with VMware vCenter Server—enabling you to automate day-to-day management and provisioning tasks. Doing so helps you intuitively respond to business demands as they occur, providing automated alerts to potential infrastructure issues—so your administrators can resolve them before they impact service. With HP OneView integration, IT organizations can even deploy a complete VMware vSphere cluster in only five steps.¹

Seamless integration with VMware vCenter

HP OneView for VMware vCenter seamlessly integrates the manageability features of HP OneView, HP ProLiant servers, HP BladeSystem, HP Networking, and HP Storage into the VMware vCenter console. The integration of HP OneView with VMware vCenter enables you to take the next step toward the SDDC by allowing virtualization administrators to automate control of HP compute, storage, and networking resources without detailed knowledge of each device. Today, HP OneView for VMware vCenter is the only platform that can provision, monitor, update, and scale resources without having to leave the vCenter console.

By integrating HP Converged Infrastructure management features directly into VMware vCenter, administrators can use a familiar VMware management tool to provision, monitor, update, and scale HP compute, storage, and network resources without having to leave the vCenter console. This integration simplifies everyday management tasks. Using wizards, administrators can deploy a VMware vSphere cluster uniquely in five easy steps and easily create storage volumes and vSphere data stores. OneView makes the delivery and maintenance of IT services fast, cost-effective, and reliable. The visual mapping of virtualized workloads to physical resources makes it possible to troubleshoot network problems in 30² seconds instead of two hours.

¹ Based on HP internal testing comparing HP OneView vs. Cisco UCS, September 2013
² Based on HP internal testing comparing HP OneView v1 vs. Cisco UCS, September 2013. Test was to identify services that will be affected when a network needs to be retired in an environment of 160 servers—HP OneView takes about 30 seconds and 4 steps vs. UCS takes about 2 hours and >480 steps
Delivering essential infrastructure health and configuration information, HP OneView for VMware vCenter helps unlock the potential of your HP Converged Infrastructure. With VMware vCenter Server, you can:

- Decrease the time administrators spend managing change and unplanned downtime. Administrators get a deep understanding of the relationship between the physical and virtual infrastructure.
- Significantly reduce remediation time with easy-to-use health and configuration dashboards. Newsfeeds of important host and storage events track root causes and enable admins to take action when problems arise.

The server module is licensed as part of HP Insight Control or HP OneView.

Storage module
- Monitor health, configuration, and capacity of HP Storage in VMware vCenter Server
- Visualize the relationship between the VMware virtual machines, ESX servers, and HP Storage arrays
- Create, expand, or delete data stores on HP arrays
- Build a virtual machine from a template on HP arrays
- Include vSphere Storage application programming interfaces (APIs) for Storage Awareness for HP arrays

The Storage module is free to use with HP supported storage solutions.

RMV integration module
- Application-consistent virtual machine snapshots for rapid online recovery
- Support for provisioning, volume, and drive type, and remote copy

The RMV integration module is an individually licensed product.

Proactively manage change

Rather than view your physical and virtual infrastructure as two distinct entities, you can use HP OneView for VMware vCenter to manage both environments as one. Providing detailed insight into the relationship between your physical and virtual infrastructures, HP OneView for VMware vCenter Server automates tracking, enhances management productivity, and helps you proactively manage change—leading to higher overall quality of service.
When managing HP Storage, you receive detailed mappings of the virtual environment to the physical environment. This feature enhances the VMware and HP Storage administrator’s 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, data stores, 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

HP OneView for VMware vCenter contains powerful provisioning tools that are directly accessible from the vCenter 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 on bare-metal HP ProLiant servers or blades in the VMware ESX/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—faster server deployment. In fact, Atlantic Health achieved 12X faster server deployment—20 minutes as opposed to four hours—by using HP OneView for VMware vCenter.

When additional storage resources are required, administrators can use the powerful HP Storage provisioning tools, directly accessible from the VMware vCenter console “context” menu. These tools allow administrators to:

- Create and expand data stores
- Delete empty data stores 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 HP OneView and HP OneView for VMware vCenter, you can work with HP Services as your single-source provider. HP Services can help your organization harness the unrealized potential of your HP 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.

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

Learn more at
hp.com/go/ovvcenter
hp.com/go/insightcontrol
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4AA3-9197ENW, September 2015, Rev. 4