

# Creating a hybrid infrastructure with SMB Ready Virtualization

## HPE and VMware

Employees and customers expect responsive services and positive experiences. Traditional IT models are struggling to keep pace. The time is now to transform to a hybrid infrastructure from HPE and VMware.

### Building the foundational steps for a hybrid infrastructure

- **Modernize** by building your virtualized environment on VMware vSphere 6.0 and HPE's SMB Ready Virtualization
- **Automate tasks/orchestrate processes** using HPE OneView with VMware vRealize Operations integration—a single platform designed from the ground up for centralized infrastructure management
- **Converge and hyper-converge** workloads on purpose-built systems that deliver a total-systems experience
- **Run workloads in a hybrid cloud** that includes the right mix of traditional IT, private clouds, and public clouds. Leverage the power of open source technology to get more value from your current and future IT investments.

## Working together for you

### Providing a next-generation infrastructure foundation

For 15 years, HPE and VMware have been building on the power of our combined expertise to deliver the industry's most complete portfolio of integrated cloud and data center innovations. Our jointly-engineered systems span from the device and desktop to the data center, cloud, and beyond.

You can use high-performance HPE and VMware solutions to create a hybrid infrastructure—giving your IT organization the necessary tools to deliver better experiences with greater levels of agility and performance.

Offering built-in flexibility, HPE and VMware solutions enable you to step up to a infrastructure that supports the Software Defined Data Center. With HPE and VMware, there's no guesswork—only better business results.

## Why SMB Ready Virtualization?

### Powering new applications and workloads

The concept of a Software Defined Data Center (SDDC) takes into consideration many infrastructure components within a Data Center such as Networking, Storage, Backup, and Virtual Compute. It is critical to start with a foundation that can support all aspects of a Software Defined Data Center initiative. SMB Ready Virtualization is the right foundation and building block to run

Virtual Compute, Software Defined Backup, Software Defined Networking (SDN), and can integrate with a Software Defined File and Content storage solution from HPE.

Together, HPE and VMware provide the next-generation infrastructure foundation you need to support your next-generation apps and workloads today and tomorrow.

## Moving forward

### Complete your journey one step at a time

Rather than a "one and done" procedure, building a Software Defined Data Center is a journey that includes four critical steps.

#### Step 1: Modernize

Designed to help you better compete in today's complex marketplace, VMware vSphere 6.0 and HPE's SMB Ready Virtualization with HPE OneView, create a proven foundation for the on-demand infrastructure. Simple, scalable virtualization and cloud-ready solutions from HPE and VMware:

- **Protect and optimize your current investments** – With HPE's SMB Ready Virtualization and VMware, you have a clear upgrade path wherever and whenever your virtualization plans lead.
- **Offer a wide array of solutions from which to choose** – You can work with HPE and VMware to virtualize your servers, storage, and networking to enable to build out the Software Defined Data Center.

## Solution brief

- **Deliver a phased approach to virtualization and the New Style of Business** – Work with the HPE Technology Services experts at every stage of your move to a modern on-demand infrastructure—from assessment to design, to implementation and support.

To meet your unique data center requirements, HPE and VMware deliver a portfolio of solutions based on advanced technology designed for the New Style of Business.

### Servers

HPE ProLiant Gen9 server platforms offer the right compute for the right workload at the right economics. Wired speeds for wireless environments support your increasing mobility requirements, enabling your workers to be productive wherever they are, using whatever device they prefer.

HPE ProLiant servers are the leading hardware platform for VMware-based virtualization.<sup>1</sup>

### Storage

Changing nothing in your storage environment may seem like the right choice. But without change you miss out on a lot: innovation; next-generation service delivery; simplified single-console management; easy integration with new technologies like VMware Virtual Volumes (VVOLS); increased virtual machine density; reduced capacity requirements; greater energy efficiency; and single-vendor service and support. With HPE Storage for VMware, you can get these benefits and more.

In fact, HPE 3PAR StoreServ Storage was ranked overall number one and rated Best in Class for VMware integration by DCIG for consistent day-one support of any new VMware releases and integrations such as VVOLS, VASA, and UNMAP.

<sup>1</sup> IDC Worldwide and U.S. Vendor Shares, June 2014



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### Networking

HPE Networking and VMware solutions automate and unify your physical and virtual data center networks—enabling greater business agility, efficiency, and continuity. With the federation of HPE VAN SDN and VMware NSX Controllers, your virtualized network enables you to:

- Simplify network lifecycle management and rapidly deploy additional bandwidth
- Provide end-to-end visibility into availability and performance
- Enable rapid root-cause analysis and troubleshooting

### Step 2: Automate tasks and orchestrate processes

By streamlining processes, incorporating best practices, and creating a new holistic way to work, HPE OneView with VMware vRealize Operations integration prepares your organization to deliver on the promise of scalable infrastructure and the New Style of Business—greater simplicity, agility, and speed at a lower cost.

In fact, HPE OneView is the only platform that can provision, monitor, update, and scale resources without leaving the VMware vRealize Operations Manager Console—making IT management simpler, faster, and less expensive.

### Step 3: SMB Ready Virtualization

Build your Software Defined Data Center with industry-leading infrastructure innovation and a comprehensive virtualization solution from HPE and VMware.

- **Small Build** - Ability for smaller environments to start with 3 x DL360 G9 ProLiant servers but also includes 3PAR StoreServ and FlexFabric switches.
- **Medium Build** - Designed for midsized environments to leverage the most cost effective solution and starts with 5 x DL360 G9 ProLiant servers, 3PAR StoreServ, and FlexFabric switches.

- **Large Build** - Leverages HPE BladeSystem environments with HPE Virtual Connect FlexFabric, and 3PAR StoreServ, your organization can build an agile solution with VMware vRealize Operations.

### Step 4: Cloud

To make your IT more efficient and agile through virtualization, convergence, and cloud—as well as to support the next generation of applications your business needs—HPE and VMware deliver cloud-based solution choices that leverage your existing infrastructure built on VMware vSphere.

By deploying a hybrid cloud environment built on HPE Helion, VMware vCloud Suites, plus vCloud Air, or a combination of both, your organization benefits from:

- More flexibility
- Greater cost-efficiency
- Enhance productivity
- Greater control over resource deployment

## Getting the help you need

During your journey toward the New Style of Business, you will face both challenges and opportunities. To make sure you can capitalize on every opportunity and manage the changes with confidence, you can work with HPE and VMware service professionals to:

- Design a transformation strategy that meets your needs today and tomorrow
- Deploy new IT consumption models that enable you to transform today, integrate tomorrow, and prepare for whatever comes next
- Get answers to questions or problems with just a single phone call or email
- Choose a flexible financial service program that meets your needs and budget

Learn more at  
[hp.com/go/vmware](http://hp.com/go/vmware)

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