



# Build a consistent hybrid cloud experience

## HPE Synergy with VMware Cloud Foundation

**HPE and VMware—experience, expertise, and market leadership**

- During 18 years of partnership, HPE and VMware have revolutionized the data center together—delivering game-changing results to over 200,000 shared customers.
- HPE has the largest virtualized server share on VMware across all server vendors.<sup>1</sup>
- HPE is the largest VMware Authorized Training Center, with over 90 training centers worldwide.
- VMware is the most prevalent virtualization platform for HPE products.
- HPE cloud and data center innovations are delivered with turnkey virtualization solutions from VMware.
- HPE and VMware offer combined expertise to deliver the industry's most complete portfolio of integrated virtualization, cloud, and mobility solutions and services.
- HPE OneView and VMware Cloud Foundation SDDC Manager integration is the first and only solution in the industry to bring the level of simplicity and flexibility in managing SDDC environments by bringing the power of composability natively to VMware Cloud Foundation.
- Whether you purchase both VMware Cloud Foundation and HPE Synergy from HPE, or you purchase each one from the respective company, your solution will be backed by support services from HPE and VMware.



### Looking forward to data center transformation?

For countless enterprises around the world and across industries, moving toward a software-defined data center (SDDC) and **hybrid cloud** are primary objectives for 2018 and beyond.

These important transformations will enable large enterprises to overcome a wide variety of challenges:

- Managing and controlling diverse infrastructure, which creates operational complexity and high cost
- Improving security to counter cybersecurity threats
- Managing the SDDC stack and underlying infrastructure faster and with more flexibility
- Delivering enterprise-level service-level agreements (SLAs) to mission-critical applications, while also controlling costs
- Improving overall agility and delivering innovation at the pace business ecosystems are changing

### Make the SDDC and hybrid cloud a reality

If you're looking for a proven way to accelerate your journey to the SDDC and hybrid cloud, **HPE Synergy** powered by Intel® Xeon® processors and combined with VMware Cloud Foundation™ is the clear choice.

With VMware Cloud Foundation—an integrated, software-defined platform—running on HPE Synergy composable infrastructure powered by HPE OneView, you receive an enterprise-ready, hybrid cloud solution that is fully automated, designed to reduce data center complexity and cost, and architected to future-proof your infrastructure.

Today, only HPE and VMware® can deliver a software-defined solution on composable infrastructure across compute, storage, network, security, and cloud management. Trust this next-generation solution to run and manage all your enterprise apps—both traditional and containerized—in cloud environments.

<sup>1</sup> As per IDC, 37% of all VMware virtualization runs on HPE.



## Putting HPE Synergy and VMware Cloud Foundation to work

While HPE Synergy and VMware Cloud Foundation can be used in myriad ways, the top five uses cases are:

- **Data center modernization**—Deploy a complete, enterprise-ready, private cloud on a single composable platform.
- **Platform consolidation**—Consolidate traditional data center applications and private clouds on a shared and automated infrastructure.
- **IT automation**—Automate infrastructure and application delivery with self-service capabilities and day 2 operational capabilities across a hybrid cloud.
- **Hybrid cloud**—Use an integrated cloud infrastructure and cloud management services to run enterprise applications in both private and public environments.
- **Enterprise service providers**—Deploy a platform that enables ESPs to deliver the services customers need to accelerate their move to the SDDC and hybrid cloud.

## Simplifying private cloud management

Taking resource management to new heights of simplicity and flexibility, HPE Synergy running HPE OneView is the first composable platform that seamlessly integrates with VMware Cloud Foundation SDDC Manager.

### Our solution partner



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This tight integration enables you to use the SDDC Manager console to easily request additional resources from the pool of available HPE Synergy compute modules.

Simply choose the resources you need, and the HPE OneView Connector for VMware Cloud Foundation will automatically complete the provisioning process. You can decommission compute resources and return them to the available pool just as easily.

## VMware Cloud Foundation

As an integrated hybrid cloud platform, VMware Cloud Foundation provides consistent software-defined infrastructure and cloud management capabilities for self-service automation and operations.

The solution dramatically simplifies the path to hybrid cloud by delivering a common platform for private and public clouds, enabling a consistent operational model that leverages your existing tools, processes, and people.

When compared with a legacy hardware-defined data center, VMware Cloud Foundation:

- **Accelerates time to market by up to 15X** by eliminating complex processes around system design, testing, configuration, and provisioning
- **Up to 20X faster application provisioning** by end users through self-service automation
- **De-risks deployment** by enabling quick, repeatable, secure deployments based on a standardized VMware Validated Design
- **Lowens TCO** of private cloud deployments by up to 30–40%

## Platform of choice

HPE Synergy powered by Intel Xeon processors offers a unique design for running VMware private or public cloud environments, providing the right hybrid cloud platform that matches VMware Cloud Foundation characteristics. HPE Synergy is:

### Software-defined—to enhance automation

- Infrastructure automation with software-defined intelligence accelerates your time to value.
- Unique integration between SDDC Manager and HPE OneView enables you to dynamically compose resources in SDDC Manager to meet the needs of VMware Cloud Foundation workloads.

### Simple—to reduce complexity and cost

- Simplify resource management using a single SDDC Manager console.
- Eliminate top-of-rack switching and deploy rack-scale fabric with HPE Virtual Connect.

### Flexible—to future-proof infrastructure

- Efficiently scale storage and compute independently to deploy large-scale SDDC environments.
- Grow-as-you-go and support both traditional virtual machines and cloud-native applications.
- Expand and contract both physical and virtual infrastructure on demand to quickly meet changing business requirements.

## New approach, better results

HPE Synergy is the first and only software-defined solution on modular infrastructure that provides seamless integration between HPE OneView and VMware Cloud Foundation SDDC Manager. With HPE OneView/SDDC Manager unique integration, HPE Synergy delivers:

- **More agility**—Meet changing business demands directly from SDDC Manager.
- **Enhanced automation**—Simplify resource management through seamless integration between HPE OneView and SDDC Manager.
- **Increased efficiency**—Save time, eliminate manual configuration, and optimize resource utilization with composability features.

Learn more at

**HPE Synergy**  
**VMware Cloud Foundation**

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