

Hybrid IT made simple, flexible, and secure

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.
- HPE has the largest virtualized server share on VMware across all server vendors.¹
- HPE is the largest VMware® Authorized Training Center™ with 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.
- 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 IT** 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 IT a reality

If you're looking for a proven way to accelerate your journey to the SDDC and Hybrid IT, **HPE Synergy** combined with VMware Cloud Foundation is the clear choice.

With VMware Cloud Foundation—an integrated, software-defined platform—running on HPE Synergy Composable Infrastructure, you receive an enterprise-ready private cloud solution that is flexible, easy to deploy, and cost efficient.

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

Putting HPE Synergy and VMware Cloud Foundation to work

While HPE Synergy Composable Infrastructure can be used in myriad ways,

¹ As per IDC, 37% of all VMware virtualization runs on HPE.

Solution brief

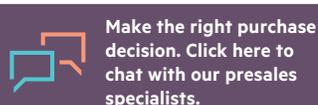
the top five use cases for HPE Synergy and VMware Cloud Foundation are:

- **Data center modernization**—Deploy a complete, enterprise-ready private cloud, with the VMware SDDC software stack on a single composable platform. With VMware Cloud Foundation and HPE Synergy, you can expand and contract both physical and virtual infrastructure to meet your changing business needs.
- **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**—Build the easiest path to deploy and run a **hybrid cloud**. VMware Cloud Foundation provides integrated cloud infrastructure (compute, storage, networking, and security) 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 IT.

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.

blogs.vmware.com/virtualblocks/2017/05/04/hpe-synergy-first-composable-infrastructure-now-certified-vsan/



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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.

VMware Cloud Foundation automates day 0 to day 2 operations—from deployment to configuration of the cloud environment, to on-demand provisioning of infrastructure clusters, and to patching/upgrades of the complete software stack.

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
- **Lowers TCO** of private cloud deployments by up to 30–40%

The perfect platform for VMware Cloud Foundation

HPE Synergy offers a unique design for running VMware private clouds, providing the right Hybrid IT platform that matches VMware Cloud Foundation characteristics—automated, software-driven, and flexible. HPE Synergy is the only modular infrastructure to run VMware Cloud Foundation deployments, and it provides a foundation for supporting hybrid configurations. HPE Synergy:

Reduces infrastructure complexity and cost

- Eliminate top-of-rack switching and deploy rack-scale fabric with HPE Virtual Connect.
- Efficiently scale fabrics across multiple frames.

Simplifies infrastructure management and increases flexibility

- **HPE OneView** provisions and manages the physical fluid resources for SDDC deployments.

- VMware SDDC Manager manages the virtual infrastructure.

Future-proofs infrastructure for any application

- Consolidate traditional data center applications and private cloud on a single infrastructure.
- HPE Synergy is the next generation of blades—software-defined and cloud-ready.

HPE Synergy

The first composable infrastructure to deploy SDDC-based private clouds

Composable infrastructure is a new approach to architecture that allows you to deploy IT resources quickly and for any workload using software-defined infrastructure.

With HPE Synergy, composable infrastructure comes to life with built-in HPE OneView. This intelligent, software-defined solution enables you to:

- **Run anything** and optimize any application
- **Use one tool and perform one step** to precisely compose and recompose logical infrastructures at near-instant speeds
- **Move faster** using repeatable HPE OneView compute, network, and storage templates
- **Scale seamlessly** with an auto-integrating infrastructure
- **Work efficiently** with template-driven, frictionless operations
- **Allow compute and storage to scale independently** with VMware® Virtual SAN™2

Learn more at

HPE Synergy

VMware Cloud Foundation

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