If you have already virtualized your IT environment, and you are now looking forward to stepping up to the software-defined data center (SDDC) and creating a path to hybrid cloud build around discrete rack servers, HPE Composable Rack combined with VMware Cloud Foundation™ (VCF) is the clear choice.

With VCF running on HPE Composable Rack and managed through the integration of HPE OneView and VMware SDDC Manager, you receive an enterprise-ready, hybrid cloud solution that is flexible, easy to deploy, seamless to manage, and cost-efficient.

**HPE COMPOSABLE RACK WITH VCF**

HPE Composable Rack with VCF is an open, composable hybrid cloud platform (fully integrated, tested, and tuned solution) that combines the unique capabilities of composability for your rack-scale environment. It enables IT to deploy new apps and workloads faster (faster deployment of new configurations), automate operations, and spend less time on management with a secure and cost-effective approach, so IT can drive innovation and deliver faster time to market for the business.

**HPE COMPOSABLE RACK**

Single rack-scale architecture with automated deployment, scale, and management for mixed workloads

Software-defined control: Automate infrastructure through template-driven processes and lifecycle management with compliance

Software-defined fabric: Automate the configuration of networking within and across racks for ease of use and better performance

AI-driven operations: System continuously learns, predicts, and prevents problems before they occur

Open API: Easily integrate existing applications, containers, hypervisors, cloud stacks, and tools

Hewlett Packard Enterprise and VMware® have tightly integrated SDDC Manager and HPE OneView to simplify management of composable infrastructure and private cloud environments. The HPE OneView and SDDC Manager integration bring a level of simplicity and flexibility in managing SDDC environments by bringing the power of composability natively to VCF. Through this unique integration and enhanced automation, customers can now dynamically compose resources within a single console using SDDC Manager to meet the needs of VCF—saving time and increasing efficiency.
WHY VCF ON HPE COMPOSABLE RACK?

HPE Composable Rack extends customer choice for organizations who prefer deploying composability on discrete rack servers (new or currently installed HPE ProLiant DL360/380/560 Gen10 servers) and want to simplify and automate infrastructure provisioning for mixed workloads including now support for VCF.

The solution includes a new version of HPE OneView that offers tight integration with HPE Composable Fabric providing a powerful new experience for operators with software-defined networking control, providing the following:

- A fully compliant VCF solution on industry-leading HPE ProLiant Gen10 servers with any published vSAN ReadyNode configurations (including support for small and large form factor, and NVMe drives) delivering all the benefits of infrastructure composability supporting VMware
- A tested and tuned solution that offers optimal performance and security to deploy the latest version of VCF running multi-tier apps and containerized apps, including VMware vRealize Automation™ blueprints
- Automation via policy-based infrastructure management with rolling VMware vSAN*-compliant firmware updates and server profile templates with network connections
- Support for VMware NSX® including micro-segmentation and integration with HPE Composable Fabric (networking underlay network), dynamic visualization of NSX network configuration (plug-in for HPE Composable Fabric Manager), and automated vSAN datapath protection
- Efficient monitoring for VCF environment using HPE OneView for VMware vRealize Operations™ custom dashboards with continuous policy enforcement, monitoring, alerting, and compliance

ABOUT HPE COMPOSABLE INFRASTRUCTURE

HPE Composable Infrastructure disaggregates compute, storage, and network fabric resources into fluid resource pools that can be configured and reconfigured according to the needs of the application. Software-defined intelligence provides template-driven automation that enables faster infrastructure/app deployment. And a unified API allows organizations to implement infrastructure as code—a single line of code that abstracts infrastructure.

HPE delivered the industry’s first composable bladed infrastructure solution (HPE Synergy) in 2016 along with HPE OneView and a robust ecosystem of composable partners. HPE Composable Rack extends customer choice for organizations who prefer deploying composability on discrete rack servers (HPE ProLiant DL360/380/560 Gen10 servers) and wanting to simplify and automate their mixed workloads (cloud-native, virtualized, traditional, or bare-metal apps) across a common environment at rack/row scale.

ABOUT VCF

As an integrated hybrid cloud platform, VCF 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 both private and public clouds.

VCF 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.

LEARN MORE AT

hpe.com/info/composable-rack

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