

AUTOMATE THE SOLUTION DEPLOYMENT EXPERIENCE

VMware Cloud Foundation on HPE Synergy

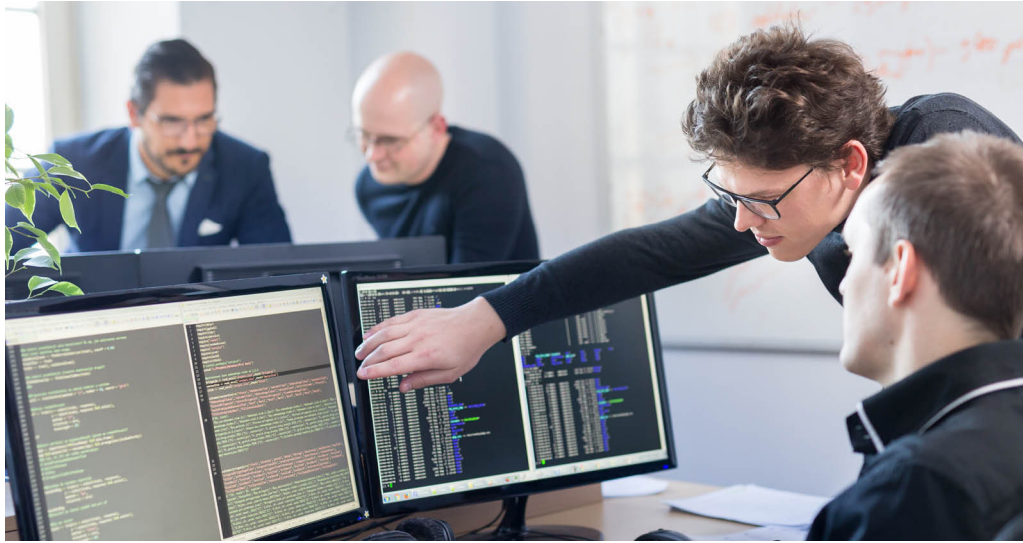
Get the benefits of deployment automation with HPE Synergy powered by Intel Xeon processors and the HPE Solution Automation Toolkit—backed by HPE Pointnext Installation and Advisory Services.

Validated—Minimize project risk with reliable HPE-validated designs and builds.

Automated—Speed time to value by automating 200+ steps—going from deployment to lifecycle management in just a few clicks—leading to 5X faster solution deployments.

Integrated—Enhance productivity through composability with HPE OneView Connector for VMware Cloud Foundation and the HPE OneView Plug-ins for VMware vCenter® and VMware vRealize®.

Optimized—Increase flexibility and expandability of scalable operations; optimize and manage the solution. Lifecycle with VMware vRealize® Orchestrator™.



GETTING TO CLOUD—FASTER

In 2018, HPE and VMware® announced that HPE Synergy was the first composable platform certified for VMware Cloud Foundation™. This was big news for customers who wanted to leverage the benefits of a software-defined composable platform to build a secure and scalable private cloud based on VMware’s software-defined data center stack. These customers were anxious to deploy an enterprise-ready private cloud solution that is:

- Flexible—To future-proof the infrastructure
- Agile—To simplify deployment and reduce complexity and cost
- Efficient—To increase automation through software-defined composability

Today, HPE and VMware have more big news to share—this time focusing on the ability to fast-track solution deployment through advanced automation capabilities built into HPE Synergy powered by Intel® Xeon® processors.

INTRODUCING THE HPE SOLUTION AUTOMATION TOOLKIT

Delivering pre-validated configurations and built-in lifecycle automation, the HPE Solution Automation Toolkit simplifies VMware Cloud Foundation installation on HPE Synergy and optional HPE 3PAR StoreServ storage platforms.

The toolkit also supports the HPE OneView Connector for VMware Cloud Foundation—designed to rapidly compose and decompose workload domains, providing the agility and flexibility to meet ever-changing IT demands.

Based on customer inputs, the HPE Solution Automation Toolkit builds the underlying HPE Synergy and HPE 3PAR infrastructure, as per best practices, with pre- and post-validations to create VMware Cloud Foundation management and domain workloads.

With these new HPE automation tools, customers can build end-to-end validated solutions with confidence—while also achieving faster time to value by following a “first time right” approach.

Solution brief

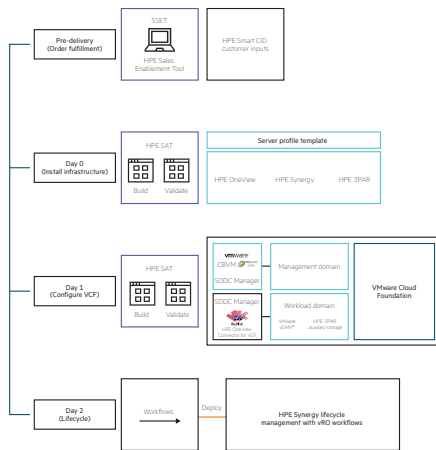


FIGURE 1. New automation tools deliver greater agility and simplicity

AUTOMATE SOLUTION DEPLOYMENT

With the HPE Solution Automation Toolkit, you can automate deployment of Day 0, Day 1, and Day 2 operations to:

- Simplify deployment
- Reduce risk
- Accelerate time to production

DAY 0

The HPE toolkit automates all typical Day 0 activities, including sizing, ordering, and automating deployment of the hardware infrastructure.

- HPE provides solution automation tools to order, install, and configure the pre-validated infrastructure stack, including HPE Synergy and HPE 3PAR for VMware Cloud Foundation.
- The toolkit also automates pre- and post-solution deployment validation to minimize errors and significantly improve deployment times, as well as collects environment information to simplify build processes and integration later.

DAY 1

With the HPE toolkit, Day 1 tasks, such as installation and customization of the solution stack, and customer-specific workloads are automated.

- HPE automation tools validate all the prerequisites for bringing up VMware Cloud Foundation.
- The automation process also builds and configures all the components required for VMware Cloud Foundation management and workloads.
- In addition, the toolkit also automates HPE 3PAR configuration as ancillary storage for VMware Cloud Foundation workloads.

DAY 2

During Day 2, the HPE Solution Automation Toolkit handles lifecycle management for the VMware Cloud Foundation on HPE Synergy solution stack.

- The HPE Solution Automation Toolkit provides vRealize Orchestrator workflows for HPE Synergy firmware lifecycle management.
- These workflows include new automation scripts for HPE Synergy for firmware lifecycle management workflows.

AUTOMATE LIFECYCLE MANAGEMENT

Designed to help you automate complex IT tasks in an extensible and repeatable manner, HPE OneView for VMware vRealize Orchestrator provides a pre-defined collection of HPE actions and workflows that you can use in VMware vRealize Orchestrator.

With its easy-to-use, drag-and-drop access, you can automate OneView-managed hardware deployments, firmware updates, and other lifecycle tasks. HPE OneView for VMware vRealize Orchestrator allows you to incorporate the advanced management features of HPE OneView into larger IT workflows—including VMware Cloud Foundation.

HPE OneView for VMware vRealize Orchestrator, built into the HPE Solution Automation Toolkit:

- Assists with rolling cluster firmware updates
- Stages HPE firmware updates on each VMware ESXi™ host
- Pre-stages software updates for deployment by either VMware vCenter or SDDC Manager, as you prefer
- Installs and activates new HPE firmware (upon system reboot)

LEARN MORE AT
hpe.com/info/synergy-ra
vmware.com/products/cloud-foundation.html

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