

VMware Cloud Foundation on HPE Synergy and HPE ProLiant DL3x0 servers

Deliver automated solution deployment, operation, and lifecycle management experience for VMware Cloud Foundation on HPE Synergy Composable Infrastructure & HPE ProLiant DL3x0 servers (manual deployment) with HPE Primera and Nimble storage using HPE Solution Automation Tools

Solution Description

HPE automated solution for VMware® Cloud Foundation™ (VCF) version 4.2 delivers a validated configuration for VCF installation on HPE Synergy Composable Infrastructure & HPE ProLiant DL3x0 servers (manual) with HPE Primera and Nimble as principal and supplementary storages using Aruba Networking. It simplifies VCF solution bring-up on HPE Synergy with pre-validated design-based infrastructure automation, seamless scalable operations and with built-in lifecycle automation via vLCM and vRO workflows. It supports HPE OneView connector for VCF, the industry's first VCF integrated composability solution to provide agility to compose and decompose infrastructure for workload domains, to meet ever changing IT demands.

HPE automation tools include SSET (Solution Sales Enablement Toolkit), Smart CID (Smart Customer Intent Document) and SAT (Solution Automation Toolkit). SSET provides sizing guidance and SmartCID collects customer inputs for the VCF bring up. SAT builds the HPE Synergy along with HPE Primera and Nimble storage as per best practices with pre and post validations while bringing up VCF management and workload domains. VCF consolidated architecture is demonstrated to target smaller VCF deployment use cases. vLCM and OneView for vRealize Orchestrator workflows are also demonstrated for automated HPE Synergy firmware updates.

With these new HPE automation tools, customers and partners can now build end-to-end validated solution with confidence and achieve faster time-to-value with a 'first time right' approach.

Program Increment 6 - Salient features

- Support for VMware Cloud Foundation version VCF 4.2 with latest SWFW matrix
- Re-validation of VMware Cloud Foundation version VCF 3.10.1 with latest SWFW matrix
- Automated deployment of VCF 4.2 on HPE Synergy with HPE Solution Automation Toolkit and HPE Smart CID
- Guidance for manual stand-up of VCF 4.2 with HPE Synergy servers
- Guidance for manual stand-up of VCF 4.2 with HPE ProLiant DL3x0 servers
- Support for both Standard and Consolidated architecture deployment with VCF
- Support for HPE Synergy with HPE OneView Connector for integrated composability
- vLCM and HPE OneView for vRealize Orchestrator based validated workflows to update HPE Synergy firmware
- HPE Primera (vVOL support included) and Nimble as principal as well as supplemental storage for VCF workload domains
- HPE PointNext services for solution delivery

Deliverables	Links
Deployment Guide (HPE Internal)	HPE Automation Guide for deploying VCF 4.2 on HPE Synergy
SWFW Compatibility Matrix	HPE Synergy and ProLiant DL3x0 firmware and software compatibility matrix for VCF 4.2 HPE Synergy and ProLiant DL3x0 firmware and software compatibility matrix for VCF 3.10.1
Software Tools (HPE Internal)	HPE SAT v2.7 Automation tool kit for VCF on HPE Synergy HPE SAT v2.7.1 Plugins for VCF on HPE Synergy
Technical Whitepapers	HPE Reference Architecture for VCF 4.2 on HPE Synergy HPE Reference Architecture for VCF 4.2 on HPE ProLiant DL Servers HPE Reference Architecture for Digital workplace with VCF 4.2 on HPE Synergy HPE Technical white paper on upgrading VCF 4.0 to 4.2 on HPE Synergy
Presentation	HPE Next Gen Solution on VCF – PI6
Enablement Videos (HPE Internal)	Demo of Automated Solution for VMware Cloud Foundation on HPE Synergy SSET-SCID S-Build S-Validate S-Grow SWFW validation
HPE Discover Demo	Compose Your Hybrid Cloud on HPE Synergy and VMware Cloud Foundation Simplify the Path to Cloud with VMware Cloud Foundation and Composability
HPE Internal GitHub Release link	https://pages.github.hpe.com/Solutions/VCF_Synergy/