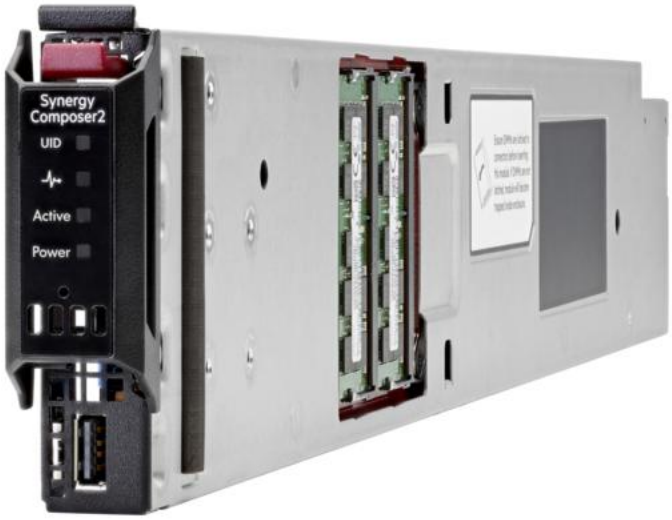
HPE Synergy Composer 2



What's new

- HPE Synergy Composer2 management appliance delivers an updated architecture with UEFI and HPE iLO5.
- Management access to remote systems using iLO enables lights-out operations (iLO remote access) in HPE Synergy Composer2.
- HPE Synergy management for IPv6-only operations is supported.
- HPE Synergy Composer2 enhances performance for faster lifecycle operations at scale with excellent user interface responsiveness.

Overview

How can data center infrastructure be managed like ‘infrastructure as code’?

HPE Synergy Composer provides native infrastructure management for efficiently matching compute, storage, and fabric resources to meet any workload. ‘Infrastructure as code’ capability provides on-demand delivery and support of applications and services with consistent governance, compliance, and integration. This is a paradigm shift in managing infrastructure. Software-defined architecture auto-discovers and self-assimilates HPE Synergy resources for immediate use with template-driven operations. This intelligence increases the speed, efficiency, and reliability of operations. HPE Composer

- Secure Boot in HPE Synergy Composer2 prevents tampering by validating the OS Bootloader and OS kernel (and kernel modules and drivers).
- Secure Start in Composer2 validates the iLO5 firmware and UEFI BIOS using Silicon Root of Trust for attack resilience. Other protections limit access to iLO5 and lock-down the UEFI BIOS and OS kernel.

deploys, monitors, and updates the infrastructure from a single interface or from the Unified API. HPE Synergy infrastructure supports virtualized, containerized, and bare metal workloads for traditional and cloud environments. Resources can be updated, flexed, and redeployed with minimal service interruptions.

Features

One Infrastructure for Any Workload

HPE Synergy Composer matches a powerful software architecture to the flexible HPE Synergy hardware infrastructure. Software-defined management, powered by HPE OneView, eliminates complexity by quickly matching physical and virtual resources to bare metal, virtualized, and containerized workloads.

Automatically discover the available compute-storage-fabric resources, bring them under monitoring, and display them for use in a single management domain. HPE Synergy Composer quickly organizes all types of infrastructure resources for use -- the essence of 'infrastructure-as-code'.

Increase productivity and control across a hybrid cloud environment by using HPE Synergy Composer to support both current- and next gen- applications, while accommodating diverse infrastructure requirements and service level objectives.

Deploy at Cloud-like Speed and Scale

HPE Synergy Composer is a paradigm shift in how to manage infrastructure because it reduces manual interaction and human error, by implementing change operations automatically and capturing the best practices of your experts into templates.

Powerful templates capture best practices and efficiently use resources, including creation of logical infrastructures to provision at near-instant speeds and meet application needs. Templates in HPE Synergy Composer can manage compute, storage, and fabric resources -- and even system images!

Scaling is simple and automated. Additional capacity is self-assimilated into larger flexible pools to reduce operational complexity as hardware grows. This capability to quickly add groups of similar physical and logical resources saves time and money as you grow your environment.

Accelerate application and service delivery time by precisely composing and re-composing logical infrastructures at near-instant speeds. Stand up services in minutes with a single line of code and create environments like those of public cloud providers in your own data center on-premise.

Automate Everyday Operations

Simplify IT operations, free stranded capacity, and efficiently manage your environment using the software-defined intelligence of HPE Synergy Composer. Using a single interface for multiple tools allows your administrator or team of administrators to quickly implement lifecycle operational changes.

Eliminate downtime with non-disruptive firmware/driver updates that can update multiple frames to a new baseline while unifying updates for all components. Firmware and OS driver updates are controlled by server profiles and can be staged for activation during a maintenance window to reduce outages.

Updates, from tested releases of component software, are securely handled using a dedicated data network (separate from the management/control network) with redundant path configurations. HPE Synergy out-of-band management offers a dedicated 10 Gbps bandwidth for added security and control.

Server profile templates are powerful software constructs which comprehend

compute, storage, and network resources for 'infrastructure-as-code' control. Templates 'monitor, flag, and remediate' out-of-compliance elements in individual server profiles to aid automation using inheritance properties.

Secure your Synergy systems operations beyond mere perimeter security -- to prevent, detect, and recover from threats. HPE Composer further ensures security by using HPE's Silicon Root of Trust to validate the firmware in use to prevent tampering. Security for continuous operations is essential!

Develop Apps Faster and Smarter

Accelerate your business with a developer-friendly infrastructure that allows you to automate your operations and applications with an extensive partner ecosystem. HPE Synergy Composer is fully-programmable to your continuous build, test, and deployment of applications.

Automation is delivered in HPE Synergy Composer by using a Unified API. This RESTful API provides simple access for fast policy-based operations -- which can include discovery, search, inventory, configuration, provisioning, updates, and diagnosis of the HPE Synergy infrastructure.

Traditional environments can automate processes and design workflows to meet their needs, eliminating multiple time-consuming scripting tools and interfaces. Popular tools such as Microsoft® Systems Center and VMware vCenter® Server use this fully-programmable API to integrate with HPE Synergy.

Operational control and automation of HPE Synergy can be used by applications like Ansible, Chef, and Puppet to achieve productivity for DevOps. Physical resources are presented in the same way as virtual and public cloud resources, so DevOps tools can provision instantly and programmatically.

Developers and users can control HPE Synergy infrastructure programmatically using the Unified API to create a hyper-connected data center. Automate operations and workloads, create DevOps-ready infrastructures, construct cloud infrastructure, or deploy containerized micro-service applications.

For additional technical information, available models and options, please reference the QuickSpecs

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Call for availability

Chat now (sales)

Call now

Buy now

Share now

Get updates

Hewlett Packard Enterprise

Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product

PSN1008615211USEN, October, 2023.