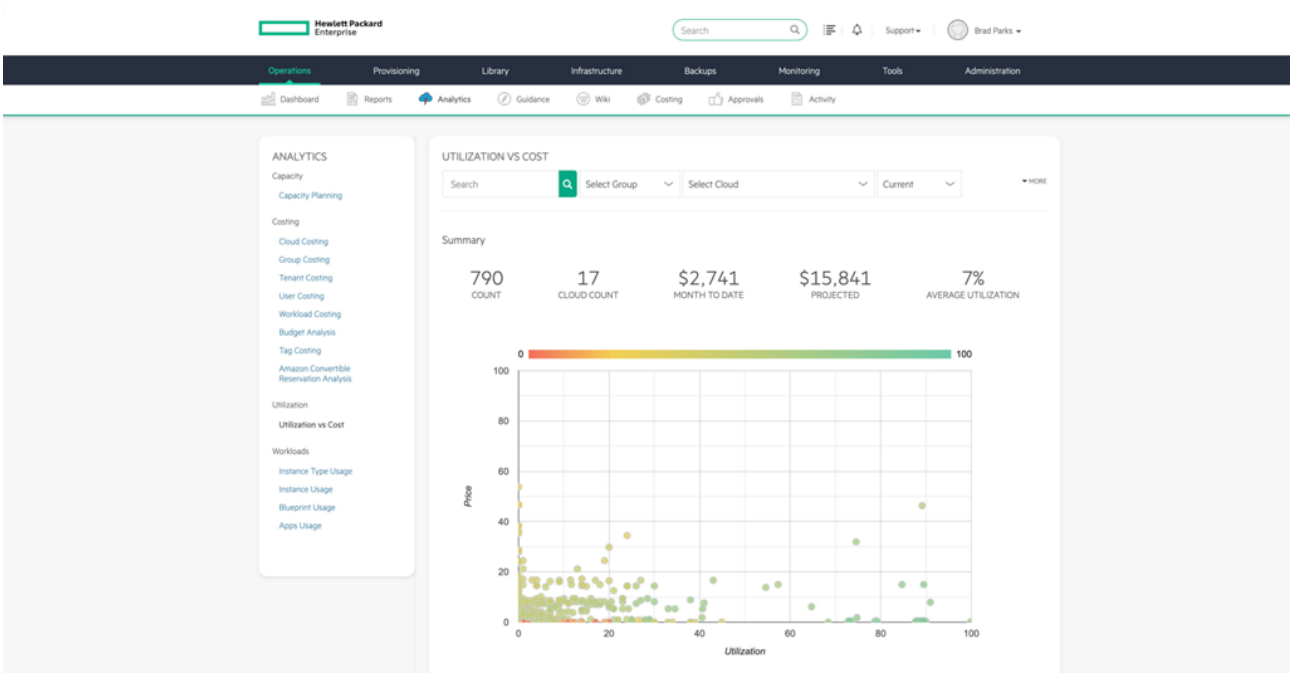
HPE Morpheus Software



What's new

- GPU as a Service with vGPU slicing enables self-service AI and VDI infrastructure, increasing GPU utilization through secure resource sharing.
- Fleet management through Morpheus Central adds centralized lifecycle management, remote operations, and single-click appliance upgrades.
- Integrated observability delivers infrastructure monitoring, topology visibility, health analytics, and AI-driven operational awareness.
- Security and compliance enhancements expand platform hardening, enterprise certifications, and support for regulated environments

Overview

HPE Morpheus Software turns hybrid cloud complexity into control by unifying virtualization, private cloud, and hybrid cloud operations across VMs, containers, and clouds. Organizations simplify operations, enable choice, and restore predictable economics with self-service and a path from virtualization to private and hybrid cloud operations.

For IT, unify virtualization, private cloud, and hybrid cloud operations through one control plane for provisioning, automation, governance, and lifecycle management.

For Security, connect identity providers, apply RBAC, enforce policies, manage secrets, and maintain guardrails.

For App-Dev, enable self-service provisioning of VMs, Kubernetes clusters, applications, and cloud services through catalogs, infrastructure as code, APIs, and CI/CD pipelines.

For Service Providers, deliver multi-tenant private and cloud services with automated provisioning, role-based governance, and centralized management across customer environments.

Features

Unified Hybrid Cloud and Virtualization Management

Manage virtualized, private cloud, and hybrid cloud infrastructure through a single control plane that simplifies provisioning, lifecycle management, and policy enforcement across diverse environments, reducing operational complexity and improving infrastructure consistency.

Support both traditional virtualization and modern cloud operating models with unified management for HVM hypervisor and VMware® environments, plus expansion paths into additional hypervisors, Kubernetes, bare metal, and public cloud infrastructure through HPE Morpheus Software – enterprise.

Provide IT teams with a centralized interface for workload visibility, provisioning, governance, and operational automation, enabling consistent deployment and management practices from small clusters to enterprise-scale hybrid estates.

Enable organizations to manage VMware®, HVM, Kubernetes, bare metal, and cloud resources through a consistent operating model while modernizing on their own timeline.

End-to-End Lifecycle Management: Automate and streamline Day 0, Day 1, and Day 2 operations, providing continuous management from initial resource deployment and configuration to ongoing maintenance, scaling, and eventual decommissioning of infrastructure assets.

Enterprise Automation, Self-Service Provisioning, and Operational Orchestration

Self-Service Provisioning: Empower developers and IT teams with an intuitive self-service portal to quickly provision virtual machines, containerized workloads, and complex applications, drastically reducing deployment times while maintaining strict IT oversight and control

Advanced Workflow Automation and AI-Assisted Operations: Eliminate manual, error-prone tasks by building and executing sophisticated automation workflows that string together complex deployment phases, custom scripts, and third-party API calls across multiple infrastructure endpoints.

Integrate automation into day-0, day-1, and day-2 operations, enabling lifecycle workflows such as provisioning, scaling, patching, migration, and retirement to be executed consistently through software-defined processes.

Support extensible automation through APIs, scripting, and ecosystem integrations, allowing infrastructure teams to connect provisioning and operational workflows with broader IT service management and DevOps toolchains.

Reduce operational overhead while improving service agility by replacing fragmented management tasks with orchestrated workflows that span compute, storage, networking, and workload operations.

Runtimes and Ecosystem

HKS (HPE's Kubernetes service): Deliver CNCF-compliant Kubernetes as part of a unified platform for virtual machines, containers, and modern applications.

Software-Defined Networking (SDN): Enhance network agility and security with the SDN Plugin, automating the provisioning of micro-segmentation, load balancers, and complex routing across your hybrid infrastructure.

HVM: Leverage the powerful embedded HVM hypervisor capabilities to run high-performance virtualized workloads efficiently, providing a cost-effective, tightly integrated virtualization layer directly managed within the HPE Morpheus Software ecosystem.

Extensible Plugin Architecture: Highly adaptable plugin framework allows organizations to develop custom extensions, enabling seamless integration with proprietary internal systems, niche third-party tools, and specialized hardware not natively supported out of the box.

Comprehensive Third-Party Integrations: Connect easily to an expansive ecosystem of over 100 out-of-the-box integrations, spanning IPAM, DNS, ITSM, configuration management, and identity providers, creating a truly unified and automated IT operations toolchain.

Governance, Security, and Cost Optimization Across IT Operations

Apply governance consistently through role-based access, policy controls, approvals, and operational boundaries that help IT standardize service delivery while maintaining security, accountability, and compliance alignment.

Increase operational transparency with integrated observability, health analytics, monitoring, and resource visibility across environments.

Reduce platform lock-in by giving organizations broader infrastructure choice, allowing workloads to be placed on the most appropriate operational platform based on performance, policy, and cost objectives.

Improve operational discipline with software-defined controls that standardize deployment, automate governance checkpoints, and create repeatable infrastructure processes across teams and business units.

Support infrastructure modernization with an architecture designed to simplify management, improve agility, and optimize long-term operational economics for virtualized and hybrid cloud environments.

Technical specifications	HPE Morpheus Software
Support coverage	Software license includes 24/7 support via HPE Tech Care Essentials
Automation	Automation tasks, phase based workflows, and operational workflows with support for Bash, PowerShell, Ansible, Chef, Puppet, Salt, vRO, and more.
Best for	Enterprises, Public Sector Orgs, and Service Provider customers who need to create and manage private and/or hybrid clouds with multiple hypervisors and public clouds, third-party technology integrations, and features for governance and cost management.
Governance	Integrate identity providers and SSO with RBAC plus leverage multi-tenancy, policy guardrails, approvals, and more.
Integrations	IPAM and DNS plus ITSM, Load Balancers, SCM, Storage, Networking, Backup, and plugins for additional flexibility.
Kubernetes management	HPE native MKS plus cloud-managed EKS, AKS, GKE and brownfield K8s for Rancher®, Red Hat® OpenShift®, and other providers.
Pricing and plans	Customizable pricing and plans engine and sync of public cloud pricing.
Private cloud targets	HPE native HVM hypervisor and bare metal providers plus VMware®, Nutanix®, Oracle® OLVM, Hyper-V, SCVMM, OpenStack, Xen, and more.
Provisioning	VM, Container, and App Service provisioning via simple or advanced self-service catalog with advanced IaaS/PaaS layouts as well as application & Infrastructure-as-code blueprints
Public cloud targets	AWS, Azure, GCP, Oracle® OCI, IBM® Cloud, Alibaba, and more.
Reporting and analytics	Built-in and custom reports plus cloud cost analytics and guidance.
Tooling and other	Cypher secrets management, Native backup, Image Conversion, White-labeling, distributed worker, config import and export.

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.

Advisory & Professional 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.

Support 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.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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

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