

HPE MORPHEUS VM ESSENTIALS SOFTWARE

Break free from vendor lock-in and simplify management across both existing VMware clusters and the embedded HVM hypervisor

HPE Morpheus VM Essentials Software is a unified solution that enables customers to simplify their VMware® deployments and replatform workloads to the HVM hypervisor at your own pace to reduce cost, complexity, and lock-in.

Offerings with HPE Morpheus VM Essentials Software

- **Stand-alone software:** Flexibility to deploy on existing or new hardware not bundled into a private cloud solution. Available now with support for HPE ProLiant Server, HPE Alletra Storage MP. Validated with third-party servers from Dell and storage from NetApp with more to follow.
- **HPE Private Cloud Business Edition:** A fully integrated, self-managed private cloud built on the HPE Alletra dHCI platform with automated setup and simplified lifecycle management through HPE GreenLake cloud.
- **HPE Private Cloud Business Edition with HPE SimpliVity:** A powerful, all-in-one hyperconverged infrastructure (HCI) solution that simplifies IT operations from edge to core. By integrating IT infrastructure, advanced data services, and AI-driven operations into a single scalable building block, it reduces complexity and overhead while enabling efficient deployment for general-purpose, edge, and VDI workloads.
- **HPE Private Cloud Enterprise:** A scalable, pay-per-use,* enterprise-grade solution delivered as a fully managed service. Built for both cloud-native and traditional applications, it supports the self-service provisioning of bare metal, virtual machines (VMs), and container services.
- **HPE ProLiant Compute** and VM Essentials together deliver a powerful, future-ready foundation for enterprise IT. HPE ProLiant Gen12 servers deliver next-level security with HPE iLO 7 and secure enclave technology, optimized performance with AI-ready platforms and direct liquid cooling, and automated productivity through predictive insights and unified management through HPE Compute Ops Management.

A unified approach to virtualization

Morpheus Data, recently acquired by Hewlett Packard Enterprise has been an award-winning leader in private and hybrid cloud orchestration for several years, turning both VMware vCenter® and KVM-based deployments into private clouds for hundreds of customers and millions of application workloads. Now, their technology is powering the new HPE Morpheus VM Essentials Software available standalone and integrated into HPE Private Cloud Business Edition.

VM Essentials is a new virtualization software solution that allows customers to provision and manage HVM (KVM based) and VMware ESXi™ VMs from a single intuitive interface.

The solution comes with the KVM-based HVM hypervisor that is enhanced to include enterprise-grade cluster management with capabilities such as high availability, live migration, distributed workload placement, integrated data protection, secure hardening, and external storage support.

To enable flexibility for those continuing to host VMware-based applications, VM Essentials can also be used to connect and manage existing VMware clusters. This means unified management and simple VM provisioning across both HVM hypervisor and VMware ESXi™ so you can provision workloads on demand to the right environment, on your terms, with zero lock-in. When you're ready, you can use the included bulk migration feature to streamline the transition of virtual machines (VMs) from VMware vCenter environments to HPE Virtual Machine (HVM) clusters.

VM Essentials is available as stand-alone software and is available as an embedded part of HPE Private Cloud Business Edition.

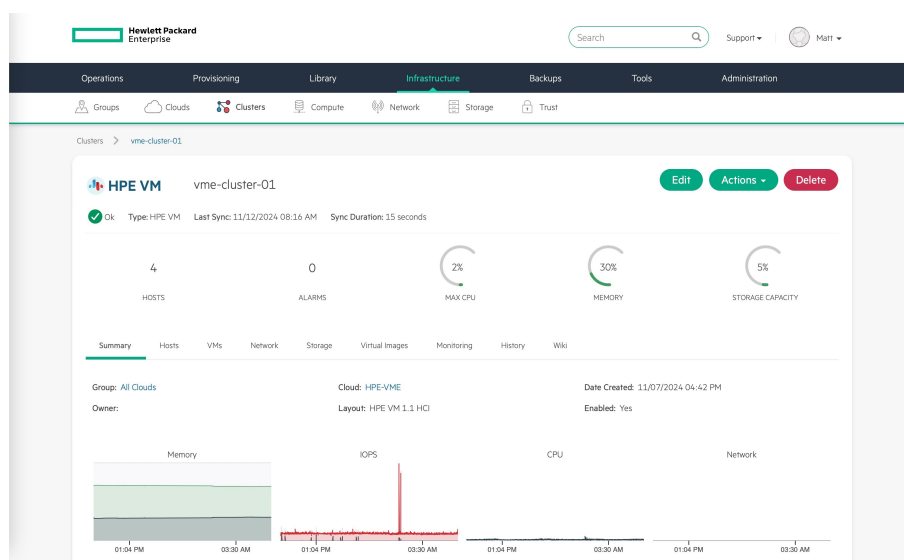


Figure 1. HPE Morpheus VM Essentials Software

* May be subject to minimums or reserve capacity may apply

“HPE Morpheus VM Essentials provides a real alternative to the status quo. With support for my existing hypervisor and a flexible path for future workloads, we can modernize our business for operational and resource efficiency.”

– **Chris Macken**, Vice President—IT Operations and Security, Cambrian Credit Union



The challenge is real

99%

of survey respondents express concern about the impact of Broadcom's acquisition of VMware on their business.¹

32%

of people are considering leaving VMware.²

Upgrade your cloud operating model with the full HPE Morpheus Enterprise Software suite

Today's enterprise platform teams have requirements that go beyond virtualization; they also need to enable developer agility as they modernize applications to take advantage of containers and cloud-native services, including those available from public cloud providers.

With HPE Morpheus Enterprise as the unified orchestrator and control plane for the HPE private cloud portfolio (HPE Private Cloud Enterprise, HPE Private Cloud Business Edition, and HPE Private Cloud AI), you can easily start with HPE Morpheus VM Essentials and then upgrade to the full HPE Morpheus Enterprise Software platform. This adds support for additional hypervisor options, Kubernetes clusters, and public cloud workloads, as well as robust private and hybrid capabilities including:

- **Self-service application provisioning:** Developers, data analysts, and other users can provision services or stacks through application programming interface (API) / CLI, GUI catalog, or IT service management (ITSM) plug-in
- **Fine-grained role-based access control:** Govern users with permissions and policies to create a secure and budget-friendly paved-road without losing agility
- **Advanced lifecycle and day 2 automation:** Implement virtually any scripted task in app lifecycle phases plus build operational workflows and jobs to streamline everyday IT
- **Cloud cost management and optimization:** Discover existing instances, optimize resource use, centralize multicloud usage reporting, and enable showback/chargeback

¹ [“High Levels of Customer Unease Around VMware-Broadcom Deal: Report,”](#) Redmond Channel Partner, June 2024.

² [“VMware Under Broadcom: Challenges, customer impacts and choices,”](#) ITAA, June 2024.

HPE Morpheus VM Essentials Software

Optimizing cost of virtualized infrastructure

HPE Morpheus VM Essentials includes the HVM hypervisor but also supports your existing VMware licenses, providing ease of use, agility, and a unified VM-vending experience for VM Essentials and VMware clusters. The KVM-based stack is ideal for those exploring alternatives to VMware, migrating workloads as you're ready.

HPE Morpheus Enterprise is well known for its integration into dozens of HPE and third-party technologies. VM Essentials leverages that same pluggable abstraction framework to enable partner ecosystem integration, such as with backup providers Cohesity, Commvault, and Veeam.

The HPE Aruba Networking CX 10000 plug-in empowers VM Essentials with hypervisor-agnostic microsegmentation and distributed firewall capabilities across ESXi, bare metal, and HVM environments.

Meanwhile, the HPE Alletra MP Storage plugin integrates the MP B10000, enabling array-based snapshots, VM-to-disk mapping, and unified block/file storage orchestration, enhancing data protection and operational efficiency across hybrid clouds.

VM Essentials is offered under a term-based subscription license and is priced competitively on a per-CPU socket basis, with no extra charge for connecting existing VMware clusters. Contact your local sales team for pricing details on VM Essentials, HPE Private Cloud Business Edition, or the full HPE Morpheus Enterprise suite as an add-on or superset of VM Essentials functionality.

Learn more at

hpe.com/vmessentials

³ Based on internal analysis of the cost of HPE Morpheus VM Essentials licensing versus available market data on cost of existing virtualization licensing (VMware vSphere® Foundation). Savings do not include discounts and subject to change without notice.

⁴ SPEC and the names SPECrate are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The stated results [SPECrate2017_int_base: #20893] are published as of 01-01-2025, see spec.org, and compared against a 48-core estimated Gen12 system. All rights reserved.

⁵ Based on internal analysis of the cost of a 10-rack configuration using HPE Aruba Networking CX 10000 versus available market data on cost of existing software-based networking features (VMware NSX®) over a 5 year period; and scaling of HPE Aruba Networking CX 10000 with ~800G Firewall compared to ~80G Firewall from a leading vendor.

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The savings
are significant

Up to **90%**
savings for migrated workloads³

Achieve **7:1**
consolidation and save up to 65% in
power savings per year⁴

Up to **48%**
lower TCO over 5 years, and up to
10x performance, with
microsegmentation provided by top
of rack distributed services switches
with integrated DPU acceleration,
allowing you to leave behind
resource intensive software-based
networking⁵

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