# Compatibility Matrix for HPE Morpheus VM Essentials Software

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## Abstract

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**Subtopics**

## Compatibility Matrix for HPE Morpheus VM Essentials Software

This document contains the list of hardware and software that has been tested and confirmed to support   HPE Morpheus VM Essentials Software and HVM Clusters at scale. Items not included in this list may be compatible but are untested. Using untested hardware or software may limit the scope of support services available from HPE support teams.

New hardware and software are continually being tested and certified. This document will be updated over time as new hardware SKUs are confirmed compatible and performant at scale.

## Table 1. Server Hardware Support

| Hardware Family | Platform Type | Hardware SKU | Comments |
|---|---|---|---|
| HPE ProLiant | AMD 2 RU server | HPE ProLiant DL145 Gen 11 | |
| HPE ProLiant | Intel 1 RU server | HPE ProLiant DL320 Gen 12 | |
| HPE ProLiant | Intel 1 RU server | HPE ProLiant DL360 Gen 9 | |
| HPE ProLiant | Intel 1 RU server | HPE ProLiant DL360 Gen 10+ | |
| HPE ProLiant | Intel 1 RU server | HPE ProLiant DL360 Gen 11 | |
| HPE ProLiant | Intel 1 RU server | HPE ProLiant DL360 Gen 12 | |
| HPE ProLiant | AMD 1 RU server | HPE ProLiant DL325 Gen 11 | |
| HPE ProLiant | AMD 1 RU server | HPE ProLiant DL365 Gen 11 | |
| HPE ProLiant | AMD 2 RU server | HPE ProLiant DL385 Gen 11 | |
| HPE ProLiant | AMD 2 RU server | HPE ProLiant DL345 Gen 11 | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL340 Gen 12 | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL380 Gen 9 | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL380 Gen 10 | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL380 Gen 10+ | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL380 Gen 11 | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL380a Gen 11 | |
| HPE ProLiant | Intel 2 RU server | HPE ProLiant DL380 Gen 12 | |
| HPE ProLiant | Intel tower server | HPE ProLiant ML350 Gen 12 | |
| HPE Synergy | Intel single slot blade | HPE Synergy 480 Gen 11 | |
| HPE Synergy | Intel single slot blade | HPE Synergy 480 Gen 12 | |
| Dell | | Dell PowerEdge R660 | iSCSI, FC, NFS |
| Dell | | Dell PowerEdge R670 | iSCSI, FC, NFS |

Table 2. Storage Hardware Support

| Vendor | Hardware Family | Platform Type | Comments |
|---|---|---|---|
| HPE | HPE Alletra Storage | HPE Alletra 5000 (5010, 5030, 5050) (iSCSI) | Update storage hardware to the latest available firmware |
| HPE | HPE Alletra Storage | HPE Alletra 6000 (6010, 6030, 6050, 6070, 6090) (iSCSI) | Update storage hardware to the latest available firmware |
| HPE | HPE Alletra Storage | HPE Alletra 9000 (Fibre Channel) | Update storage hardware to the latest available firmware |
| HPE | HPE Alletra Storage | HPE Alletra Storage MP B10000 (iSCSI, Fibre Channel) | |
| HPE | HPE MSA Storage | HPE MSA Gen7 (2070, 2072) (iSCSI, Fibre Channel) | Update storage hardware to the latest available firmware |
| HPE | HPE MSA Storage | HPE MSA Gen6 (1060, 2060, 2062) (iSCSI, Fibre Channel, SAS) | Update storage hardware to the latest available firmware |
| HPE | HPE XP Storage | HPE XP8 (Fibre Channel, iSCSI) | Update storage hardware to the latest available firmware |
| NetApp | All-Flash FAS | AFF A-Series (all models) | iSCSI, FC, NFS; Minimum ONTAP version: 9.14 |
| NetApp | All-Flash FAS | AFF C-Series (all models) | iSCSI, FC, NFS; Minimum ONTAP version: 9.14 |
| Dell | Dell | PowerStore 4.0.0.2 | iSCSI, FC, NFS |
| Pure Storage | FlashArray//X | Pure-x90r4 | iSCSI, FC, NFS; Minimum Purity version: FA 6.6.1 |
| Pure Storage | FlashArray//C | Pure-c60 | iSCSI, FC, NFS; Minimum Purity version: FA 6.7.1 |

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✎ **NOTE**

For more detail, please visit the **storage matrix**

Table 3. Independent Software Vendor (ISV) Support

| Partner | Product Name | Product Version | Deployment | Validation Type | Resources |
|---|---|---|---|---|---|
| Veeam | Backup and Replication | 12.3 | Agent-based | Partner | **Technical Brief**, Blog (**part 1**, **part 2**, **part 3**), **Video** |
| Cohesity | DataProtect | 7.1.2 and later | Agent-based | Partner | **Technical Brief**, **TekTalk-on-Point**, **Blog** |
| Cohesity | NetBackup | 11 | Agent-based | Partner | **Release Notes** |
| Commvault[2] | Commvault Cloud Backup and Recovery | 11.40 | Agent-Based, Image-based | Partner | **Technical Brief**, **Tektalk-on-Point**, **Blog** |
| Oracle[1] | Database | 19c | Single instance only; Oracle RAC support TBD | HPE | **Technical Brief**, **Blog**, **TekTalk-on-Point** |
| Microsoft[1] | SQL Server | SQL Server 2016, 2017, 2019, 2022 | Single instance with Availability Groups | HPE | **Technical Brief**, **Blog**, **TekTalk-on-Point** |
| MongoDB[1] | Enterprise Advanced | 8.0.0 | | HPE | **Technical Brief**, **Blog**, **Video** |
| Elastic[1] | Elastic Stack | 9.0.0-1 | | HPE | **Technical Paper** |
| Citrix[1,3] | Citrix Virtual Apps and Desktops | 7.2402 LTSR CU1 | | HPE | |
| Omnissa[1,3] | Horizon | 8.13.1 (Build 11490723527) | | HPE | **Blog** |
| HP Anyware[1,3] | HP Anyware | 25.03.1 | | HPE | |

[1] Applications have been validated within the bounds of the supported VM Essentials functionality. Always check the VM Essentials feature list to determine whether specific functionality is supported by the HVM hypervisor (ex. shared disk access).

[2] Protection of NFS and GFS2 datastores

[3] For the manual pool use case where desktop lifecycle is not managed and instant clones are not applicable. Improved user experience, increased user density, and cost efficiency with vGPU support in future HPE Morpheus VM Essentials releases.

Most modern applications like databases were designed with very "loose" dependance on hardware infrastructure. They can typically run on a variety of hypervisors including virtual machines and containers. The respective ISV vendor typically only specifies the supported underlying operating system (Guest OS) but does not require certification of any hypervisor. However, there can be specific features that a customer deployment of these applications requires at a hypervisor or infrastructure level. For example, a Microsoft SQL Server Failover cluster instance requires a shared disk between multiple SQL Server VMs. Oracle, similarly, requires shared disks for an Oracle Real Application Cluster (RAC) setup. Therefore, it needs to be always validated whether the specific deployment requires certain features and whether these are supported by VM Essentials in its latest release.

Select ISV applications require "full stack" certifications including OS, hypervisor, compute and storage devices, or even the specific storage connectivity protocol. SAP HANA and related SAP applications are a typical example; so are some Healthcare Electronic Health Record (EDR) applications. If you or your customer plans on running one of these applications, please reach out to your HPE account team.

Table 4. Hypervisor OS Compatibility and Interoperability Matrix

| OS Vendor | OS Family | Compute Platform | Storage Platform |
|---|---|---|---|
| Canonical | Ubuntu 22.04 Server, 24.04 Server | x86 | Alletra; iSCSI |

**Table 5. Guest OS**

| Partner | Product Name | Product Version | Guest OS | Validation Type | Resources |
|---|---|---|---|---|---|
| RHEL | RHEL | 8.2, 9.0, 9.3 | RHEL 9.3 | HPE | |
| CentOS | CentOS | 8 | CentOS 8 | HPE | |
| SUSE | SUSE Linux Enterprise Server | 15-SP4, 15-SP6 | SUSE 15-SP6 | HPE | |
| Microsoft | Windows Server | 2016, 2019, 2022, 2025 | Windows Server 2025 | HPE | |
| Microsoft | Windows 11 | 24H2 | Windows 11 24H2 | HPE | |
| Canonical | Ubuntu Server | 2022.04, 2024.04 | Ubuntu Server 24.04 | HPE | |
| Rocky Enterprise Software Foundation (RESF) | Rocky Linux | 9.5 | Rocky Linux 9.5 | HPE | |

## Additional Resources

- Service Pack ProLiant Index Page:  **Gen12 SPP**, **Gen11 SPP**, **Gen10+/Gen10 SPP**

- **Spock Storage Configuration Matrix**

- **OS Support Matrix**

- **HPE Support Center for VME**