Qualification Matrix for HPE Morpheus VM Essentials Software

Published: November 2025

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Abstract

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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 Alletra	HPE Alletra 4000	HPE Alletra 4100, 4120	iSCSI
HPE ProLiant	AMD 2 RU server	HPE ProLiant DL145 Gen 11	
HPE ProLiant	Intel 1 RU server	HPE ProLiant DL320 Gen 11	
HPE ProLiant	Intel 1 RU server	HPE ProLiant DL320 Gen 12	
HPE ProLiant	AMD 1 RU server	HPE ProLiant DL325 Gen 12	
HPE ProLiant	AMD 2 RU server	HPE ProLiant DL345 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 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 [1]	Intel single slot blade	HPE Synergy 480 Gen 11	
HPE Synergy [1]	Intel single slot blade	HPE Synergy 480 Gen 12	
Dell		Dell PowerEdge R660	iSCSI, FC, NFS
Dell		Dell PowerEdge R670	iSCSI, FC, NFS

[1] Using Synergy servers with CNAs (converged network adapters) for VME deployments has been confirmed to perform well with iSCSI configurations but issues may be experienced when using FC (fibre channel) due to use of FCoE on the backend. For more details, see **this customer notice**.

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, SAS)	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	FlashArray//X (all models)	iSCSI, FC, NFS; Minimum Purity version: FA 6.6.1
Pure Storage	FlashArray	FlashArray//XL (all models)	iSCSI, FC, NFS; Minimum Purity version: FA 6.6.1
Pure Storage	FlashArray	FlashArray//C (all models)	iSCSI, FC, NFS; Minimum Purity version: FA 6.7.1

> 🖉 **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
Apache	Cassandra DB	5.0.6		HPE	**Blog**
Veeam	Backup and Replication	12.3	Agent-based	Partner	**Technical Brief**, Blog (**part 1**, **part 2**, **part 3**), **Video**
CelerData	CelerData Enterprise (StarRocks)	3.4.4			
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**

Partner	Product Name	Product Version	Deployment	Validation Type	Resources
HP	HP Anyware	25.03.1		HPE	**Technical Paper**
OpenText	OpenText Analytics Database (Vertica)	26 or 25.2		HPE	
Oracle [1]	Database	19c	Single instance only; Oracle RAC support TBD	HPE	**Technical Brief**, **Blog**, **TekTalk-on-Point**
Oracle	MySQL Community Edition	8.4.6			
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**
Milestone	XProtect	Professional+, Expert, Corporate	2025 R2		
PostgreSQL Global Development Group	PostgreSQL	17.6			
SMInformation	ClusterPlex	5.0.5.5		Partner	**ClusterPlex Support Matrix**
Splunk	Splunk Enterprise	9.4.3	Distributed clustered deployment, single site	HPE	
Splunk	Splunk Enterprise SmartStore	9.4.3	Distributed clustered deployment, single site	HPE	
Vali Cyber	ZeroLock	3.9.8			
Virtual Cable	UDS Enterprise	4.0 and above			

[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	
Microsoft	Windows 10			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**