

DL1300 Appliance

# Interoperability Guide



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# Notes, cautions, and warnings



**NOTE:** A NOTE indicates important information that helps you make better use of your computer.



**CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



**WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Introduction

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This document provides information about the supported hardware and software versions for the Quest DL1300 Appliance.



**NOTE:** The versions specified in this document use the same format as found on [Quest.com/support](https://quest.com/support) and may differ from the version information displayed in the Windows Device Manager or Dell OpenManage Server Administrator.

# Supported Hardware

This section lists the hardware supported by the Quest DL1300 Appliance systems. Where applicable, firmware and driver versions are also listed.

## BIOS Versions

Table 1. Supported BIOS versions

The DL1000 system supports BIOS version 1.2.5 or later.

System	BIOS Version
DL1300	1.2.5 or later

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## Memory

Table 2. Supported memory configurations

The DL1300 2 TB systems have a default 16 GB-RAM which consists of four 4 GB-UDIMMs. These systems also support 32 GB or 64 GB RAM which operates at a frequency of 2133 MT/S. The DL1300 3 TB + 2 VM system has a default 32 GB-RAM which consists of four 8 GB UDIMMS. These systems also support 16 GB-RAM and 64 GB-RAM that operates at a frequency of 2133 MT/s. The DL1300 4 TB+2VM system has a default 64 GB-RAM and can be downgraded to 32-GB RAM which operates at 2133 MT/s.

System	Version	Memory Capacity	Type	Operating Frequency in MT/S
DL1300	2 TB	16 GB (default) or 32 GB or 64 GB	Four 4 GB-UDIMM (default) or four 8 GB-UDIMM or four 16 GB-UDIMM	2133
	3 TB+2VM	32 GB (default) or 16 GB or 64 GB	Four 8 GB-UDIMM (default) or four 4 GB-UDIMM or four 16 GB-UDIMM	2133
	4 TB+2VM	64 GB (default) or 32 GB	Four 16 GB-UDIMM (default) or four 8 GB-UDIMM	2133

Parent topic

## Hard drives (internal)

Table 3. Supported internal hard drives

The DL1300 appliance supports four 3.5-inch hot swappable Nearline SAS HDDs placed in slots 0,1,2, and 3. These HDDs are managed by PERC H330 at RAID 5.

System	Internal RAID Controller	Slots	Drive Type	RAID Level
DL1300	PERC H330	0–3	Four 3.5-inch hot swappable Nearline SAS HDDs	RAID 5

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## Storage enclosures

**i** | **NOTE:** Only the DL1300 4TB +2 VM configuration systems support the external storage enclosure.

Table 4. Supported storage enclosures

The DL4300 system supports up to four MD1400 SAS storage enclosures with firmware version 1.0.1 or later installed on it. The DL4300 system supports up to 120TB of capacity, with the Compellent (Fiber Channel) and MD3600f storage enclosures supported by all firmware versions.

Storage enclosure	FW revision	Number of enclosures supported	Capacity expansion supported
MD1400 SAS	1.05 or later	One (1)	10 TB

**i** | **NOTE:** To connect or disconnect the redundant SAS cable(s), your system must be powered off. One cable may be unplugged while the server is running. Do not disconnect both cables while the server is running or the external array disk will later be rediscovered as foreign disks.

Parent topic

## Hard drives (external)

Table 5. Supported external hard drives

The MD 1400 with a PERC H730 raid controller adapter manages Nearline SAS drives of capacities 12 TB, 24 TB, 48 TB or 72 TB.

Storage enclosure	External RAID Controller	Drive type	Drive capacity	RAID level
MD1400	PERC H830	Nearline SAS	12x1 TB	6

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# Network Interface Controllers (NIC)

The DL1300 system supports only the onboard NICs.

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## RAID controllers

**i** **NOTE:** Quest does not support upgrading internal RAID controllers. The internal controller shipped with the system is the only supported configuration.

Table 6. Supported RAID controllers

The DL1300 system supports one PERC H310P RAID controller with a driver revision of 6.600.21.08 or later installed on it.

System	RAID Controller	Max Number of Controllers	Driver Revision
DL1300	PERC H330 (internal)	1	6.603.06.00 or later
	PERC H830 (external)	1	25.2.1.0037 or later

**i** **NOTE:** Only the DL1300 4 TB+2VM systems support one PERC H830 RAID controller that manages the external hard disk drives.

Parent topic

## Display resolution

The minimum display resolution is 1280x1024.

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# Supported Software

This section lists the supported operating systems and applications on the Quest DL1300 appliance.



**NOTE:** Running applications other than those listed in this document on the Quest DL1300 appliance are not supported.

## Operating System



**NOTE:** Clustering is not supported on the Quest DL1300 appliance.

Table 7. Supported operating systems

The default operating system on DL1300 1TB, 2 TB version is Microsoft Windows Server 2012 R2 Foundation Edition. Microsoft Windows Server 2012 Standard edition is also supported on these versions. The DL1300 3TB +2VM and 4 TB+2VM versions support Microsoft Windows Server 2012 Standard Edition.

System	Model	Operating System
DL1300	2 TB	Microsoft Windows Server 2012 R2 Foundation edition (Default), Microsoft Windows Server 2012 Standard edition (Optional)
	3 TB+2VM, 4 TB+2VM	Microsoft Windows Server 2012 R2 Standard edition

Parent topic

## Applications

Table 8. Supported application

The DL1000 system supports Dell OpenManage Server Administrator System management solution of version 8.1.0 or later.

System	Application	Application Type	Version
DL1300	Dell OpenManage Server Administrator	Systems Management	8.2

Parent topic



# Backup software

Table 9. Supported backup software

The DL1000 system installed with PERC H310P supports AppAssure 5.4.3 and Rapid Recovery 6.0.1.

System	RAID Controller	Version
DL1300	PERC H330 and PERC 830	AppAssure 5.4.3
		Rapid Recovery 6.0.2

The supported version of the backup software is determined by the system and the installed RAID controller.



**NOTE:** For information about known issues and limitations for Rapid Recovery 6.0.2 support, see the [Quest DL1300 Release Notes](https://quest.com/support) at [Quest.com/support](https://quest.com/support).

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# Appliance software stack release

The supported version of the appliance software stack is determined by the system, the installed RAID controller, and (if applicable) HBA.

Table 10. Supported appliance software stack

The DL1000 system installed with PERC H310 supports appliance software stack release version 2.2.

System	RAID Controller	Version
DL1300	PERC H330, H830	2.7

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