

Dell DL1300 Appliance Interoperability Guide



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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Contents

- 1 Introduction.....4**
- 2 Supported Hardware.....5**
 - BIOS Versions..... 5
 - Memory5
 - Hard drives (internal)..... 5
 - Storage enclosures.....6
 - Hard drives (external).....6
 - Network Interface Controllers (NIC)..... 6
 - RAID controllers..... 6
 - Display resolution..... 6
- 3 Supported Software.....7**
 - Operating System..... 7
 - Applications.....7
 - Backup software..... 7
 - Appliance software stack release.....8

Introduction

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



NOTE: The versions specified in this document use the same format as found on **Dell.com/support/downloads** 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 Dell DL1300 Appliance systems. Where applicable, firmware and driver versions are also listed.

BIOS Versions

Table 1. Supported BIOS versions

System	BIOS Version
DL1300	1.2.5 or later

Memory

Table 2. Supported memory configurations

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

Hard drives (internal)

Table 3. Supported internal hard drives

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

Storage enclosures



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

Table 4. Supported storage enclosures

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

 **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.

Hard drives (external)

Table 5. Supported external hard drives

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

Network Interface Controllers (NIC)

The DL1300 system supports only the onboard NICs.

RAID controllers



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

Table 6. Supported RAID controllers

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


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

Display resolution

The minimum display resolution is 1280x1024.

Supported Software

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

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

Operating System

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

Table 7. Supported operating systems

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

Applications

Table 8. Supported application

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

Backup software

Table 9. Supported backup software

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 *Dell DL1300 Release Notes* at Dell.com/support/home.

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

System	RAID Controller	Version
DL1300	PERC H330, H830	2.7