Dell DL4300 Backup and Recovery Appliance

Built by Dell, Powered by AppAssure

Fast, effective recovery for your data

The Dell DL4300 Backup and Recovery Appliance, powered by AppAssure, offers you a smart way to protect data and applications in your growing environment, as well as the peace of mind that comes with knowing you can get back to business as usual in minutes, not hours or days.

The DL4300 helps safeguard the physical and virtual servers that power your business. Powered by AppAssure backup and recovery software, the DL4300 is a fully configured, 2U backup appliance. The DL4300 is offered in two editions: Standard and High Capacity editions. The Standard edition offers 5TB to 60TB of storage capacity. The 5TB, 10TB, 30TB and 50TB models allow optional capacity upgrades inside the enclosure.

All Standard edition DL4300 models support capacity expansion with up to four MD1400 expansion shelves. The DL4300 High Capacity version will offer 40TB to 120TB of capacity, with the 40TB model providing capacity expansion inside the enclosure. All other High Capacity editions use the PowerVault MD1400 expansion shelves or connection to a Dell-powered SAN*.

The DL4300 offers turn-key, highly scalable data protection and recovery for mission-critical applications, coupled with world-class 1-, 3- or 5-year support options. In addition,

ProSupport replacement options are available for the appliance for rapid, two−hour, on-site replacement by the next business day.

Also, up to four, fully-licensed Hyper-V virtual standby machines are included at no additional cost.

Another key DL4300 enhancement includes Rapid Appliance Self Recovery (RASR), which offers the ability to either create a defined restore point for the appliance, or recover the appliance back to factory settings. Other key features include: Dual SD cards for increased appliance redundancy in restore; New diagnostic tools, such as the Windows Snipping tool; Enhanced support tools such as Dell DSET to collect hardware, storage and operating system information; And a single management tab within the appliance to manage standby VMs.

Designed for business resiliency

The DL4300 appliance, designed for business resiliency, offers you the benefit of integrated, leading- edge technologies included in AppAssure 5.4.3 Backup and Recovery Software. Features of AppAssure include:

- **Live Recovery™:** Leverage near-instant recovery technology for protected virtual machines or servers. Access the impacted server's application and data directly from the backup image if there's an outage, so users remain productive and your IT team will meet stringent RTOs and RPOs.

Benefits:
- Streamlines and accelerates your backup operations, helping to eliminate your backup window
- Meets aggressive SLAs with turn-key, highly-scalable backup, recovery and high availability
- Reduces backup footprint with integrated, in-line, block-level deduplication and compression, combined with optimized backups for WAN replication
- Gives you granular recovery with the ability to take snapshots as often as every five minutes
- Enhances business resiliency by maintaining standby virtual machines to quickly restore critical servers
- Eliminates the need for hardware sizing, backup software configuration and system testing
- Simplifies management with the AppAssure Central Management Console
- Eases VM management with a single, integrated management pane of virtual standby VMs
- Deploys quickly with the AppAssure Appliance Configuration Wizard DL4300

See Dell DL4300 Interoperability Guide for supported SAN options.

The Dell DL4300 is a tightly integrated solution that is quickly deployed and managed easily to protect applications and data in your environment, so you can reduce the guesswork and time needed to protect your data.

Features inline block-level deduplication, snapshots, Live Recovery™, Verified Recovery, Scaling 5 Architecture

Learn more at Dell.com/ SmartDataProtection

- **Verified Recovery**: Perform automated recovery testing and verification of backups for Microsoft Exchange and SQL Server. Identify data corruption early and prevent maintenance or transfer of corrupted data blocks during the backup process.
- **Universal Recovery**: Restore backups from physical to virtual, virtual to virtual, virtual to physical, or physical to cloud, as well as carry out bare metal restores to dissimilar hardware.

Lifecycle solution support

Dell Services helps you reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. Dell ProSupport™ is available for the Dell server, and Dell AppAssure support is available for the software on the Dell DL4300. Our global team of industry-certified backup and recovery support engineers provides you with comprehensive support coverage utilizing in-depth domain knowledge and expertise to maximize uptime and IT investment. Remote installation services are also available to configure and validate key elements of the solution to ensure optimal operational performance.

About Dell Software

Dell Software helps customers unlock greater potential through the power of technology—delivering scalable, affordable and simple-to-use solutions that simplify IT and mitigate risk This software, when combined with Dell hardware and services, drives unmatched efficiency and productivity to accelerate business results. www.dellsoftware.com.

Feature	Dell DL4300 Backup and Recovery Appliance
Processor	Standard edition: Two Intel Xeon E5-2640v3 2.6GHz High-capacity edition: Two Intel Xeon E5-2660v3 2.6GHz
Hard drives (internal)	2x 300GB SAS drives for OS (2.5", 10K, 6Gbps) RAID 1 Sixteen Hard Drives: • Standard 5TB Edition - 12 x 1TB NL SAS Hot Swappable drives, 4 x 1TB NL SAS Internal drives RAID 6 • Standard 10 - 20TB Edition - 12 x 2TB NL SAS Hot Swappable drives, 4 x 2TB NL SAS Internal drives RAID 6 • Standard 30 - 40TB Edition - 12 x 4TB NL SAS Hot Swappable drives, 4 x 4TB NL SAS Internal drives RAID 6 • Standard 50 - 60TB Edition - 12 x 6TB NL SAS Hot Swappable drives, 4 x 6TB NL SAS Internal drives. RAID 6 • High Capacity Edition - 12 x 6TB NL SAS Hot Swappable drives, 4 x 6TB NL SAS Internal drives. RAID 6
Hard drives (external)	Up to four MD1400, PERC 830 RAID controller, NL SAS, 1TB, 2TB, 4TB, 6TB
Memory	Standard edition: 64GB or 128GB RDIMM High-capacity edition: 128GB or 256GB RDIMM
Operating system	Microsoft® Windows Server® 2012, Standard R2 (factory installed). Support for 2 Standby VMs for Standard Edition, and 4 Standby VMs for High Capacity Edition.
Management	AppAssure Appliance Configuration Wizard, iDRAC7 Enterprise for remote management, AppAssure Central Management Console, Rapid Appliance Self Recovery Tool (RASR), Virtual Machine Management Console
Dimensions	DL4300 base unit: H: 8.73 cm (3.44 in.) x W: 44.40 cm (17.49 in.) x D: 68.40 cm (26.92 in.) PowerVault MD1400 expansion shelf: H: 8.7 cm (3.39"); W:48.2 cm (18.8"); D: 54.1 cm (21.3 ")
Weight	18.6 kg (40.96 lb)
Rack support	• ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks with support for optional tool-free cable management arm • ReadyRails™ static rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post (Telco) racks
Network connectivity	Standard edition: Dual 4x 1GbE Broadcom NIC; or 4x 1GbE Broadcom NIC and 2x 10GbE Broadcom NIC High-capacity edition: Dual 2x 10GbE Broadcom NIC
HBA	• Qlogic QLE 2562, driver 9.1.11.28 or later • Emulex LPE 12002; driver 2.72.205.4 *For supported SAN configurations please see the DL4300 Interoperability Guide.*
Maximum physical capacity	120TB using up to four MD1400 expansion shelves or attached FC SAN* *For supported SAN configurations please see the DL4300 Interoperability Guide.*
Power	Dual Redundant, Hot Swappable, Auto-ranging, Platinum efficiency 1100W
Capacity-based licensing	The DL4300 disk backup appliances are licensed based on the back-end compressed and deduplicated stored data capacity
AppAssure software protection	
AppAssure version	5.4.3
Agents (supported operating systems)	Microsoft Windows 8 (all editions), 8.1 (all editions), Server 2003 (all editions), 2008 (all editions), 2008 R2 (all editions), 2008 R2 Server SP1 Core (all editions), Server 2012 (all editions), Server 2012 R2 (all editions), Storage Server 2012 (all editions), Storage Server 2012 R2 (all editions).Red Hat® Enterprise Linux® (RHEL) 6.3, 6.4, 6.5, CentOS 6.3, 6.4, 6.5, Ubuntu 12.04 LS, 13.04, SUSE® Linux Enterprise Server (SLES) 11 SP2, SP3
Virtualization platforms	Microsoft® Hyper-V®, Oracle VirtualBox, VMware® ESXi®, VMware® Workstation
Applications	Microsoft® Exchange® • Microsoft Exchange 2007 SP1 Rollup 5 or later • Microsoft Exchange 2010 • Database Availability Group, Single Copy Clusters, and Cluster Continuous Replication Microsoft SQL (Verified Recovery not included): • SQL Server 2005 or higher • SQL Clusters