PowerVault DL4000 Backup and Recovery Appliance

Powered by AppAssure

Fast, effective recovery for your data

The Dell® PowerVault® DL4000 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 PowerVault DL4000 is designed to help safeguard the physical and virtual servers that power your business, whether they are in your home or branch office, server room or private cloud. Powered by award-winning AppAssure backup and recovery software, the DL4000 is a fully configured 1U backup appliance that integrates 5.5TB of storage capacity and two standby virtual machines in the standard edition with capability of four standby virtual machines in the high-capacity edition.

With award-winning snapshot, replication, deduplication and compression software to quickly recover applications and data. The DL4000 offers capacity expansion options of up to 85TB with the addition of two PowerVault MD1200 expansion shelves. In addition, you can choose between standard and high capacity editions to ensure backup storage scalability.

Designed for business resiliency

The DL4000 appliance, designed for business resiliency, offers you the benefit of integrated, leading-edge technologies that form the foundation of AppAssure 5.3 software for Microsoft® Windows® and Linux®. Features of AppAssure software include:

- Live Recovery™, which helps meet SLA objectives and can reduce the risk of data loss. Live Recovery also helps restore operations almost instantly, with a recovery time objective (RTO) of seconds and a recovery point objective (RPO) of minutes.
- Assured Recovery™, which validates and verifies your data and applications daily to help ensure your backup file is completely recoverable.
- AppAssure Scaling 5 Architecture, which takes full advantage of today's high-performing multi-core hardware to address data growth into petabytes.

Lifecycle storage 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 your single source for 24x7 premium support across Dell and non-Dell hardware and software. 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.

> Dell DL4000 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 guess work and time needed to protect your data

Benefits:

- Streamlines and accelerates your backup operations, helping to eliminate your backup window
- Reduces backup footprint with integrated, inline 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
- Deploys quickly with the AppAssure Appliance Configuration Wizard to automatically provision DL4000 storage

The PowerVault DL4000 is optimized for quick deployment and efficiency, providing numerous benefits for your growing business.

Features Inline block level deduplication, snapshots, Live Recovery®, Assured Recovery®, Scaling 5 Architecture

Learn more at Dell.com/SmartDataProtection

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	PowerVault DL4000
Processor	Standard edition: Two Intel® Xeon® E5-2640 6-core 2.5Ghz processors High-capacity edition: Two Intel® Xeon® E5-2665 8 core 2.4Ghz processors
Drives	Ten 2.5" hard drives: • 2x 300GB SAS drives for OS (2.5", 10K, 6Gbps) RAID 1 • 8x 1TB NL SAS for backup (2.5", 7.2K, 6Gbps) RAID 6
Memory	Standard edition: 64GB RDIMM High-capacity edition: 128GB RDIMM
Operating system	Microsoft® Windows Server® 2012, Standard (factory installed)
Management	AppAssure Appliance Configuration Wizard, iDRAC7 Enterprise for remote management, AppAssure Central Management Console
Dimensions	DL4000 base unit: Height: 42.8mm (1.69 inches); Width: 434mm (17.09 inches); Depth: 701.3mm (27.61 inches) PowerVault MD1200 expansion shelf: Height: 8.7cm (3.39 inches); Width:48.2cm (18.8 inches); Depth: 59.4cm (23.17 inches)
Weight	18.6Kg (40.96lb)
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-less 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: 4x 1GbE Intel NIC; 4x 1GbE Broadcom NIC; High-capacity edition: 2x 10GbE Intel NIC; 4x1GbE Intel NIC
Maximum physical capacity[†]	DL4000: 5.5 TB DL4000 standard edition: 45 TB DL4000 highcapacity edition: 85 TB
Power	Auto-ranging, Platinum efficiency 750W
Licensing	The DL4000 disk backup appliances are licensed based on the back-end compressed and deduplicated stored data capacity
Features	Inline block level deduplication, snapshots, Live Recovery®, Assured Recovery®, Scaling 5 Architecture Standby Virtual Machines for Disaster Recovery - 2 Standard edition; 4 High Capacity edition included with license
AppAssure software protection	
Operating systems supported distributions	• Microsoft® Windows® XP, Vista, 7 and 8 • Microsoft® Windows Server 2003, 2008, 2008 R2, 2012 (all versions) • Red Hat® Enterprise Linux® (RHEL) 6.3 (32- and 64-bit) and 6.4 • CentOS® 6.3 (32 and 64 bit) and 6.4 • Ubuntu® 12.04 LTS (32 and 64 bit) and 13.04 • SuSE Linux® Enterprise Server 11 SP2 (32 and 64 bit) and SuSE Linux Enterprise Server 11 SP3
Virtualization platforms	• VMware® ESX® and VMware ESXi® • Microsoft® Hyper-V®
Application support	• 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: • SQL Server 2005 or higher • SQL Clusters

†GB equals 1 billion bytes, TB equals 1 trillion bytes and PB equals 1 quadrillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

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