



## Dell PowerVault DL Backup to Disk Appliance Powered by Symantec Backup Exec 2010

One of the industry's only integrated solution for faster disk-based backups and recoveries with optional deduplication that gets you up and running in less than 25 minutes.

### Up and running in less than 25 minutes

Configuring homegrown backup-to-disk solutions can be difficult, time consuming, prone to errors, and expensive. Dell has simplified the backup process by offering one of the industry's first and only integrated hardware, software, and services solution powered by Symantec Backup Exec™ 2010 software. This integrated backup to disk appliance with target and source based deduplication is a cost-effective way to reduce total cost of ownership.

Dell™ PowerVault™ DL Backup to Disk Appliance – Powered by Symantec comes factory installed with Backup Exec™ 2010 R3 software, plus a unique wizard-driven setup and management utility. Integrated automated dynamic disk provisioning configures and sets up the disks for immediate use.

Set it up, configure storage, add more disks — it only takes a few clicks. PowerVault DL Appliance solutions are fully tested and validated, sure to work together, and you can deploy them quickly.

Industry leaders Dell and Symantec co-developed this offering to get you up and running fast with a tested solution that offers easier management. It's an ideal way for any IT department to achieve fast, reliable backups and restores. It's disk-based backup simplified by Dell.

### Reliable disk-based backup and faster restores than tape

Managing tapes can be complex and time consuming. Backups to tape often exceed their backup window, and tape-based backups can fail. Disk-based backup with the PowerVault DL Appliance – Powered by Symantec Backup Exec can reduce cost and time associated with tape-based backup, and reduce backup time, helping you meet your ever shrinking backup windows.

### Archiving technology with the benefits of deduplication

The DL Appliance powered by Symantec Backup Exec 2010 integrates new archiving technology by utilizing Symantec Enterprise Vault for Exchange and Files server environments. This technology copies data from the backup source off to the archive "vault" where it's indexed — thus avoiding any performance impact on the source server. Archived data is then deleted on the Exchange or File system source. This can improve server performance, reduce backup times and keep Exchange and File server storage at predictable levels. During the archive process it can extend the "deduplication everywhere" savings to secondary storage environments by delivering the benefits of deduplication to the archive environment as well, which can allow administrators to easily consolidate data and maximize disk as archive storage for management and resource savings.

### Better than VTL

Virtual Tape Libraries (VTLs) are "point products" that can help fix backup and recovery bottlenecks in the short run. But they're also separate "boxes" that create silos of information and add management complexity. Virtual tapes have to be created, provisioned, and managed, and VTL products lack alerting and reporting within the backup solution. The PowerVault DL Appliance is a native, disk-to-disk solution that is designed to eliminate the need for manual setup and management. It automatically and dynamically provisions disk, invisibly to the user, and gives you proactive monitoring, alerts, and reporting.

### Integrated tape support

The PowerVault DL Appliance is available with the Dell PowerVault TL2000, TL4000, or ML6000 tape library integrated into the full solution. Take advantage of backup-to-disk for quick availability then transfer to tape from the same management console for offsite disaster recovery. It is the first of Dell's TierDisk family of products, designed to provide cost-optimized solutions for secondary storage environments for data protection and data management.

### Easy to understand virtual disk layout options

The PowerVault DL Appliance allows the user to choose between several options during their initial set up within the First Time Boot Utility. You can choose between extra redundancy or more capacity (RAID-6 virtual disks or RAID-5), as well as the presence or absence of a hot-spare. This option to configure gives you more freedom to configure the DL Appliance to meet your specific needs.

### Remote backup, management, monitoring, and maintenance

Your data center administrators can use the PowerVault DL Appliance to backup data from remote offices to the data center. Administrators can set up backup tasks and policies and do system monitoring and maintenance from a central location. This makes the PowerVault DL Appliance the ideal backup solution for remote offices that don't have IT experts on-site. You can also use the PowerVault DL Appliance's remote backup and management features to create a disaster recovery solution, when you transfer data from your data center to another PowerVault DL Appliance at a secondary location.

### Granular recovery technology for speedy restores

With Symantec Backup Exec's patent-pending Granular Recovery Technology (GRT) for critical Microsoft® applications, including file, Exchange, SharePoint (MOSS), and Active Directory, your administrator can recover granular objects from a single-pass backup by simply browsing and selecting it. GRT lets you recover specific items such as public folders and individual mailboxes — even individual Emails, attachments, and calendar items — all without a time-consuming full restore.

### Protection for VMware virtual machines with low cost and complexity

Managing backups on virtual machines can be difficult and expensive due to licensing requirements. The PowerVault DL Appliance – Powered by Symantec Backup Exec 2010 incorporates award-winning technology for virtual machine protection. The Agent for VMware® Virtual Infrastructure includes protection for an unlimited number of guests on an individual ESX host. In addition, Backup Exec 2010 leverages VMware VStorage APIs for off-host backup of VMs.

The DL Appliance with Symantec Backup Exec 2010 has improved backup performance by using a new "V-Ray" technology. This is embedded into the core solution and gives customers an x-ray like vision to easily see, protect, and recover their virtual machines with the same solution that protects their physical environments.

Symantec's Backup Exec Management Plug-in for VMware is now part of the standard agent for VMware providing Backup Exec management through vCenter. This provides insight into VMware backups to protect status view of all VM's, identify the last time you ran your backup, identify if it was a full or incremental or differential and when the next one is scheduled. In addition, this Plug-in can give you a view into unprotected machines.

## Protection for desktops and laptops

Backup Exec's 2010 Desktop and Laptop Option (DLO) lets users automatically protect multiple desktops and laptops via a network share. DLO lets users choose continuous, scheduled, or manual backups and provides an intuitive interface that lets users access their most up-to-date data whether they're in the office or on the road.

## New security layer

The way the new security layer works is it uses a standards based solution already used by the World Wide Web. Transport Layer Security (TLS) and it's older sibling, Secure Sockets Layer (SSL) provides support from the agent to the server, providing an extra layer of security for customers that transmit backup data across the WAN or to a private cloud. The new security layer enables mutual authentication via certificates, and can help assure attackers are kept out of sensitive backup operations.

## Lifecycle storage solution support

Choosing the right backup solution is an important step in keeping your critical information safe. Storage Consulting and Deployment from Dell can help you implement, manage, and optimize storage infrastructure as well as backup and recovery in a cost-effective manner, helping to reduce the risk associated with ineffective data management and reduce complexity while improving information availability. Having the right support is also important. Dell ProSupport for IT provides businesses of all sizes with flexible, reliable, and easier support solutions.

The Dell ProSupport\* for IT service model was designed for IT professionals like you. It provides:

- 7x24 direct access to Dell Expert Centers
- Fast-track dispatch for Dell-certified technicians
- Escalation management through Dell's Global Command Centers

The globally consistent, customer-driven Dell ProSupport for IT portfolio includes proactive support options that align to how you use technology. These enhanced offerings can help you protect your investment, reduce risk, manage complexity, enhance productivity, and guard your sensitive data.

## Dell PowerVault DL Backup to Disk Appliance – Powered by Symantec Backup Exec 2010 specifications

The software for PowerVault DL Appliance – Powered by Backup Exec 2010™ is available in two options:

**Backup Exec 2010 R3 DL Edition:** Includes Factory Installed Backup Exec Media Server (including the licensing for Continuous Protection Server and connectivity to a single tape drive) and licenses for backing up 2 Windows File Server Agents. This comes with 1 or 3 Years of Software maintenance included.

**Backup Exec 2010 R3 DL Edition with Deduplication:** Includes Factory Installed Backup Exec Media Server with deduplication (including the licensing for Continuous Protection Server and connectivity to a single tape drive), and licenses for backing up 2 Windows File Server Agents. This comes with 1 or 3 Years of Software maintenance included.

## Additional available licenses:

**BE 2010 Windows Server Agents:** Includes Licenses for backing up two Windows Files Servers.

**BE 2010 Linux/Unix Server Agents:** Includes Licenses for backing up two Linux/Unix Files Servers.

**BE 2010 Email Protection Agents:** Includes Licenses for backing up two Email (Exchange or Lotus Domino) Servers.

**BE 2010 Database Agents:** Includes Licenses for backing up two Database (SQL, Oracle, Sharepoint, and Active Directory) Servers.

**BE 2010 Virtual Agents:** Includes Licenses for backing up two Virtual Servers (Vmware and/or HyperV). Only one agent is required for every Physical server, with support for unlimited number of virtual servers on the physical server.

**BE 2010 Archiving Agents:** Includes Licenses for archiving One File Server or Email Server (with up to 50 additional mailboxes).

**BE 2010 Library Expansion Option:** Includes Licenses for Adding Two additional Tape Libraries to the media server.

**BE 2010 Advanced Database Option:** Includes Licenses for protecting an advanced database (Oracle RAC or SAP).

**BE 2010 Central Management Addon Pack:** Includes the license for Central Admin Server Option (the feature allows for centralized management of multiple DL Media Servers).

Features	Dell™ PowerVault™ DL Backup to Disk Appliance
Value Series	1 X Intel® Xeon® E5620, 2.4Ghz, 12MB Cache
Performance Optimized	2 X Intel® Xeon® E5620, 2.4Ghz, 12MB Cache
Internal Storage	2 X 500GB, Near Line SAS Drives in Hardware RAID 1 Configuration for the Operating System and Application 6 or 12 of 500GB, or 1TB, 2TB or 3TB, Near Line Drives in Hardware RAID 5 or RAID 6 Configuration for the data
Optional Expansion with SAN	Support for MD3000i, AX4-5 Fiber Channel array or EqualLogic PS Series arrays
Optional Expansion with SAN	Available thru 1 or 2 PERC 6/E
Tape Connectivity	6Gbps SAS HBA; Emulex or QLogic HBAs
Networking	Dual-embedded Broadcom® NetXtreme IITM 5708 Gigabit6 Ethernet NIC with fail-over and load balancing
Operating System	Windows® Server 2008, R2 Standard, Factory Installed OS
Systems Management	iDrac Express
Remote Management	DRAC
Physical Dimensions	2U rack-mountable chassis 26.17" (66.46cm) D x 17.53" (44.52cm) W x 3.42" (8.67cm) H with bezel attached
Rack Weight	57.54 lbs. (26.1 kg), maximum configuration
Ports	Rear: 2 x USB 2.0, 1 x serial connector, 1 x video connector
Security	Optional TPM Module Optional Absolute Comptace Software
<b>Optional Expansion with MD1200</b>	
Hard Drives	1 X H800 for connecting up to 8 MD1200 Enclosures (i.e. a total of 96 Drives). One additional H800 card available for purchase -to connect 8 additional MD1200 enclosures (for a total of 192 Drives)
Maximum Usable Capacity	Up to 464 TB of usable space, using 3TB hard drives
Maximum Backup Capacity	Up to 27 TB of usable disk space (using 3TB hard drives)

\*Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions).

Simplify your network at [Dell.com/diskbackup](http://Dell.com/diskbackup)

