



# REDEFINING DATA BACKUP

**DELL™ POWERVAULT™ TL4000 & TL2000  
TAPE LIBRARIES**



# SIMPLIFYING IT

Simplifying IT can transform your organization. By reducing cost and complexity, you can devote more resources to making innovation a daily business practice. Central to IT simplification is automating data backup and minimizing downtime—and Dell PowerVault tape libraries can help you do both.

## THE DELL DIFFERENCE

### **SIMPLIFICATION IS IN OUR DNA**

We are dedicated to helping you reclaim your time and resources through IT simplification.

### **INTELLIGENT AUTOMATION**

Low-touch systems can reduce the possibility of errors and help free up your IT team to focus on bigger initiatives.

### **PAY AS YOU GROW**

Our storage solutions are completely modular. Buy only what you need, and then upgrade as your capacity demands grow.

### **STANDARDIZED**

Dell is committed to providing systems that are standards-based rather than built around proprietary technology.

# **AUTOMATED, COMPACT, AND EASY-TO-USE LIBRARIES THAT REDEFINE EXPECTATIONS FOR BACKING UP AND ARCHIVING DATA IN GROWING ORGANIZATIONS**

## **DELL™ POWERVAULT™ TL4000/TL2000 TAPE LIBRARIES BENEFITS**

- Versatile tape automation enables unattended, reliable backups and archiving in one simple solution
- Help free up IT resources and eliminate the cost and inconvenience of manually attended backup/recovery
- Fast backups with LTO-4 technology
- Flexible and simple: rack-ready, customer installable
- WORM (Write Once, Read Many) technology can help meet regulatory compliance
- Library Managed Encryption available with LTO-4
- Supports iSCSI using SAS tape drives

**The reliability, convenience, and affordability of tape media are still indisputable**—tape remains a vital part of any data protection and disaster-recovery strategy.

Some organizations have relied on tape autoloaders for data protection—but are now finding that their needs have outgrown the capacity and performance of autoloaders. For growing organizations, manually attended backups have become a major time sink, keeping resources from other important work and raising staff costs unacceptably.

Organizations that must back up more than 1TB of data from disk to tape need more than an autoloader—they need increased capacity and performance, as well as a way of avoiding the staffing costs and potential data loss associated with manually attended backups.

In the past, tape library solutions may have seemed too large, expensive, or complicated for such organizations. But now, by changing the economics of storage, Dell has brought the functionality and value of tape automation to smaller-but-growing organizations, with the simplicity and affordability they need.

Dell PowerVault TL series tape libraries provide reliable, hands-off, around-the-clock operation in compact, high-performance libraries that are customer installable and easy to set up and manage. These libraries were designed to deliver maximum protection for a minimal investment, putting tape automation within reach.



## **A SIMPLE SOLUTION TO MULTIPLE DATA PROTECTION CHALLENGES**

Ideal for small to large businesses or organizations that have outgrown tape autoloaders or small libraries and require the space and reliability of an entry-level to mid-range tape library.

SIMPLY PUT:

# **THE POWERVAULT TL SERIES TAPE LIBRARIES CAN BACK UP A MAXIMUM OF 1.73 TERABYTES PER HOUR**

## MANY DATA PROTECTION CHALLENGES — ONE SIMPLE SOLUTION

The PowerVault TL series tape libraries enable two critical data protection activities: backup and archiving.

### Backup

Help avoid the risk of data loss. Create on-site backup copies of data, using the rewritable functionality of LTO media.

### Archiving

Create permanent, portable archive copies of data using WORM (Write Once, Read Many) capability. WORM enables you to create data copies that cannot be overwritten, to help you comply with government and industry data-protection requirements.

## SIMPLICITY FROM THE START

The PowerVault TL series tape libraries come rack-ready and can be connected to a server or a SAN. It features an intuitive operator control panel, plus remote Web management — you can perform setup and diagnostics, check status, monitor operations and logs, and upgrade firmware all from any standard Web browser.

## THE FREEDOM OF AUTOMATION

Manual involvement in backup and recovery costs valuable staff time — and it could cost you data. The PowerVault TL series tape libraries can free your staff from the burden of attended backups, while freeing you from the worry of lost or misplaced tape cartridges.

Here's how it works: the libraries contain multiple slots for storing tape media, and use a robotic mechanism to move media automatically and operate independently — unattended.

To keep contents properly organized, a bar code reader inventories all tapes stored in the library and tracks them as they are imported and exported. The optical cartridge-location technology enables precision cartridge handling and inventory, helping to improve the overall reliability of backups.

LTO-4 backs up a staggering 432GB per hour per drive, while your staff is deployed on other work. But you stay in control, with an intuitive LCD interface plus Web-based remote monitoring and management.

## THE ENTRY LEVEL TO MID-RANGE TAPE LIBRARY THAT'S RIGHT FOR YOU

With two models in the TL series to choose from, choose the size you need and you get the same great functionality in both units. The PowerVault TL4000 is a 4U solution holding up to 48 tapes, up to 38.4TB native capacity and is ideal for growing organizations. The PowerVault TL2000 is a 2U solution that holds up to 24 tapes for a native capacity of up to 19.2TB and is ideal for customers who are moving into the library technology.

If your data protection needs have grown and you want versatility and simplicity in an affordable compact tape-automation solution, choose the PowerVault TL series tape library.

## INTRODUCING DELL PROSUPPORT

Designed to address the technology challenges you face today. Designed for IT professionals like you, Dell ProSupport for IT provides 24/7 direct access to Dell Expert Centers, fast-track dispatch of parts and labor without phone troubleshooting when desired for Dell-certified technicians, and escalation management through Dell's Global Command Centers. In addition, Dell ProSupport optional services align with the way you use technology by providing rapid response to your needs, helping to protect your investment, productivity and sensitive data, and enhancing proactive support services to help reduce the risk and complexity of managing your infrastructure.

### Speed of Response

With the Mission Critical<sup>1</sup> option, you get priority response for server and storage environments when avoiding unplanned downtime and reducing recovery time are critical. Includes priority 4-hr. on-site<sup>1</sup> service or optional 2-hr. response<sup>1</sup> with 6-hr. hardware repair<sup>1</sup>; Dell's proven Critical Situation process, and emergency dispatch.

### Protection

With the Keep Your Hard Drive<sup>2</sup> option, you retain control of your sensitive data and comply with data privacy regulations (to help mitigate regulatory and civil liability risks) by keeping your hard drive.

### Premium Proactive

With the Enterprise-Wide Contract option, you get enhanced, proactive capabilities via a designated Service Delivery Manager, performance benchmarking and custom reporting, and planning and assessments. Our Proactive Maintenance option is designed to proactively maximize the availability and stability of your infrastructure. Includes a detailed system assessment and implementation of driver or firmware updates and upgrades for your server or storage systems. The Remote Advisory option provides telephone and Internet access to technical expertise for specialized applications and solutions such as Microsoft® Exchange, Virtualization, and more.

## ADDITIONAL SERVICE OFFERINGS

### Comprehensive Storage Training and Certification

Provides expertise for integrating Dell storage into an existing IT infrastructure. For company compliance, an advanced certification path is available for validating or maintaining skill sets.

### Backup and Recovery

Solutions that help ensure adequate procedures are in place to minimize or avoid data loss.

### Storage Consolidation

Our storage experts can analyze your existing infrastructure, operational practices, and technical readiness, and develop a detailed consolidation deployment plan that includes a validated and refined solution design.



**SIMPLIFY BACKUPS AT [DELL.COM/TLSeries](http://DELL.COM/TLSeries)**

<sup>1</sup>For terms of service, please visit [www.dell.com/servicecontracts](http://www.dell.com/servicecontracts) <sup>2</sup>The defective hard drive must still be covered by the hardware limited warranty.

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