

## Dell NetVault Software and Quantum:

A Complete Data Protection Solution for Physical, Virtual, and Application Environments

### BACKUP AND RECOVERY CONTINUE TO BE TOP PRIORITIES FOR IT

There's a reason that backup and recovery continue to be a top priority for IT, on par with things like server virtualization, cloud adoption, and security. Companies are using digital data to unlock business value—gain competitive advantage, uncover new ideas, and create new revenue streams. This means that protecting your data is more important than ever.

By using Dell's NetVault Backup software and Quantum deduplication appliances, businesses are able to simplify their backup management, reduce backup windows and improve restore SLAs, and provide offsite backup and disaster recovery, thereby improving access to data while ensuring it is protected.

### DELL NETVAULT BACKUP SOFTWARE WITH QUANTUM DEDUPLICATION APPLIANCES

Figure 1 below shows an example use case for deploying Dell's NetVault Backup software with Quantum's DXi® deduplication appliances. The solution also shows integration with a tape library, in this case Dell's PowerVault ML6000 tape library, for long-term retention of backup data.

As shown in Figure 1, NetVault Backup software coordinates backups across platforms and applications. NetVault agents can back up application servers through the NetVault backup server to the DXi deduplication appliances; or by using NetVault's SmartClient agents, backups can be sent directly to the DXi appliances.

Once backup data is sent to the DXi appliances, the DXi uses inline, variable-length deduplication to identify unique blocks of data and eliminate redundant

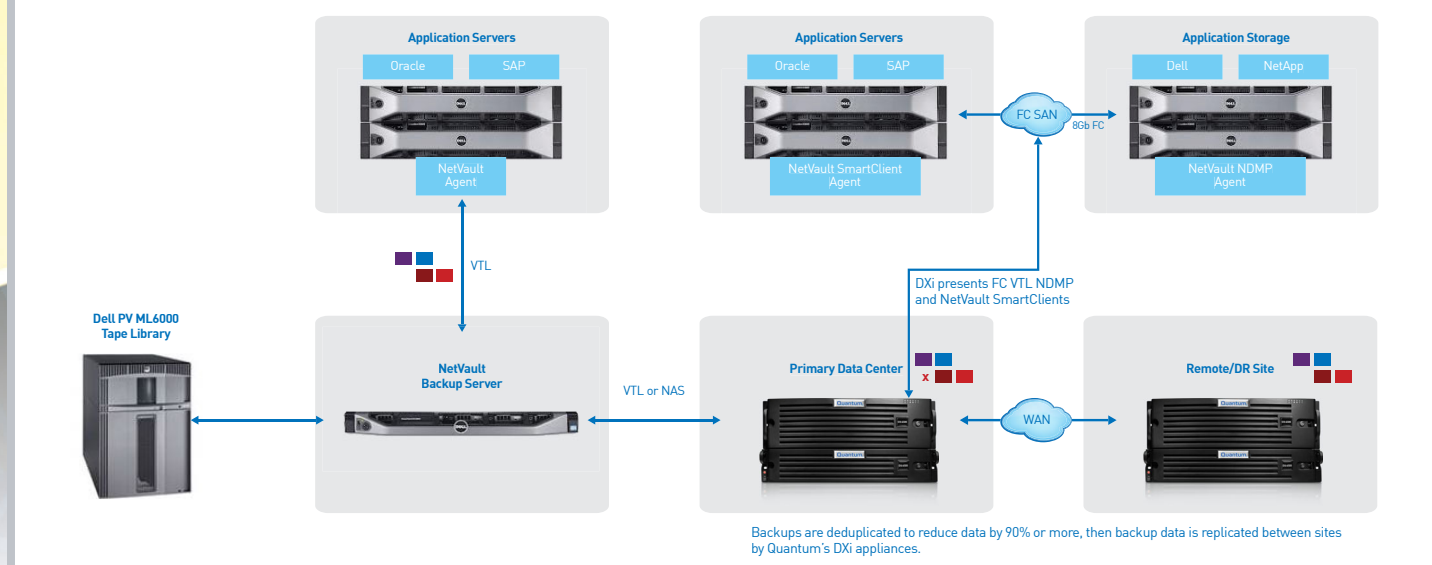


### ABOUT DELL NETVAULT BACKUP SOFTWARE

NetVault Backup is a cross-platform backup and recovery software solution that safeguards your data and applications in both physical and virtual environments—from one intuitive console. This scalable enterprise solution supports dozens of server and application platforms. Plus, its intuitive interface requires minimal experience to operate. Some of the key features and benefits of NetVault Backup software include:

- Simplifying data recovery across your physical and virtual environments
- Increasing flexibility with a single interface that can be run from a Windows, Unix, Linux, or Mac OS X
- Ensuring availability of critical applications and databases such as Oracle, SQL Server, Exchange, MySQL and DB2
- Reducing the time it takes to recover a failed server with bare metal recovery

Figure 1. Example Use Case



data blocks, thereby drastically reducing the amount of data stored on disk. And since the DXi appliances only replicate these unique blocks of data, backup data can now be replicated between sites for offsite backup and DR with significantly less bandwidth usage.

As an option for long-term retention, the Dell PowerVault ML6000 modular tape library provides the lowest-cost, lowest-power alternative for storing backup data for months or years. So whether data needs to be stored for compliance reasons or for archiving old data, tape continues to be a great solution. The scalability of the ML6000 tape library provides investment protection, and the ML6000 also includes predictive self-diagnostics for optimum availability.

This combined solution provides a cross-platform, multi-application backup solution that (1) simplifies the management of backups, (2) reduces the amount of data stored on disk, (3) reduces backup windows, and (4) improves restore SLAs while providing options for offsite backup and disaster recovery.

For more information, please visit [quantum.com](http://quantum.com).

#### ABOUT QUANTUM DXI DEDUPLICATION APPLIANCES

The DXi-Series of deduplication appliances leverages patented variable-length data deduplication technology to reduce typical disk requirements by 90 percent or more and cut your overall backup costs.

The ability to replicate between DXis or to the cloud means you can make disaster recovery viable for any site within your organization. The DXi-Series integrates with Dell's NetVault Backup software to provide a complete data protection solution. Some of the key features and benefits of the DXi-Series include:

- Patented variable-length deduplication
- Industry-leading backup and restore performance
- Efficient replication for multi-site environments
- Replication between sites, or to the cloud for offsite backups
- Encryption for backup data stored on disk and while replicating backup data
- Physical or virtual appliance options deliver scale and performance anywhere

#### ABOUT QUANTUM

Quantum is a proven global expert in Data Protection and Big Data management, providing specialized storage solutions for physical, virtual and cloud environments. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to help maximize the value of their data by protecting and preserving it over its entire lifecycle. With Quantum, customers can Be Certain they're able to adapt in a changing world – keeping more data longer, bridging from today to tomorrow, and reducing costs. See how at [www.quantum.com](http://www.quantum.com).

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