

# Dell DR4100 with NetVault Backup software

Dell's DR Rapid Data Access software lets you maximize backup, deduplication and restore performance with a single appliance —without adding complexity.

Gain a powerful advantage in the battle against complexity and data growth. Shrink your backup windows, reduce network traffic and meet your recovery time objectives with the Dell™ DR4100 backup appliance integrated with Dell NetVault™ Backup software.

Simple to install and manage, the DR4100 is a turnkey solution designed to drop in to any backup workflow. It is a purpose-built, disk backup appliance that uses Dell deduplication technology to significantly improve backup and recovery processes by reducing the amount of data that needs to be stored. The DR4100 integrates with Dell NetVault Backup software so you can safeguard your data and applications in both physical and virtual environments from one intuitive interface.

The DR4100 is a 2U, rack-based system available in five usable capacity points of 2.7TB, 5.4TB, 9TB, 18TB and 27TB with RAID6 storage of deduplicated data. The system can handle additional capacity by adding expansion shelves in 9, 18 and 27TB capacities supporting up to a total of 1.2PB<sup>1</sup> in logical capacity.

When combined with NetVault Backup software, this scalable solution can protect a large number of servers containing petabytes of data and a wide range of operating systems, applications and networked storage systems.

The DR4100 now offers Dell DR Rapid Data Access (RDA) integration with NetVault Backup. NetVault retains

end-to-end control of all backup tasks while delegating control of storage management to the DR4100 appliance.

## Features

Rapid Data Access technology—RDA technology delivers tight integration between NetVault and the DR4100. You can use the solution to transfer backup data up to three times faster — up to 7.5 TB/hour — compared to similarly-priced solutions.

**Source-side deduplication**—The DR4100's advanced deduplication and compression technology, which delivers data-reduction ratios as high as 15:1, enables NetVault customers to deduplicate data directly at the source of the backup. This source-side approach minimizes network traffic and reduces the overall backup storage footprint.

**Optimized replication**—Customers can now schedule and manage replication of deduplicated data from one DR4100 appliance to another directly from the NetVault Backup console. NetVault automatically detects the completion and location of replicated data copies, enabling fast restores and reliable disaster recovery.

This reduces network bandwidth by up to 15 times and drastically shortens disaster recovery time. You can schedule replication during non-peak periods and prioritize ingest data over replication data to ensure optimal backup windows. By coupling deduplication with replication, you can minimize the

## Benefits:

- Powerful deduplication to reduce backup storage footprint by up to 15:1
- Source-side deduplication to minimize network traffic
- Built-in hardware and software safeguards for the most reliable protection
- WAN-optimized replication for replicating only unique data to reduce network traffic and improve recovery times
- Reduced reliance on tape for lower capital and operating costs
- Consolidated tape backup for shrinking overhead costs and IT staff time

<sup>1</sup> Using a 15:1 ratio

By combining the Dell DR4100 with NetVault Backup, you can perform source-side deduplication to drastically reduce backup times and minimize network bandwidth usage.

costs and inefficiencies associated with distributed backup environments.

**Built-in data protection capabilities—**

The Dell DR4100 has built-in safeguards in both hardware and software to verify backup integrity. It includes non-volatile RAM (NV-RAM), which provides data protection in case of a power loss and proactively detects corruption. And with the benefits of its RAID 6 configuration, the Dell DR4100 can allow up to two simultaneous hard drive failures without service interruption. An online data-verification software feature validates the integrity of your data and metadata.

**Consolidated tape storage—**

Decentralized tape libraries are expensive and require onsite IT staff to maintain — especially if you have a distributed business with multiple remote offices. By replicating backup data from many DR4100 appliances to one central DR4100 and then archiving that data to tape, you can reduce overhead, IT staff time and potential for human errors.

**Remote setup and centralized**

**management—**The Dell DR4100 is a turnkey disk backup appliance designed to easily drop into any NetVault Backup environment. The intuitive, remote setup and management capabilities make installation simple. And from the NetVault console, you have full control over when data is backed up, when it's copied and when it can be expired. You'll be able to reduce the administrative overhead that is typically associated with backup and recovery.

**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](http://www.dellsoftware.com).

**Dell Software**

5 Polaris Way, Aliso Viejo, CA 92656 | [www.dell.com](http://www.dell.com)  
If you are located outside North America, you can find local office information on our Web site.

© 2013 Dell, Inc. ALL RIGHTS RESERVED. Dell, Dell Software, the Dell Software logo and products—as identified in this document—are registered trademarks of Dell, Inc. in the U.S.A. and/or other countries. All other trademarks and registered trademarks are property of their respective owners.  
Datasheet-DR4100-US-KS-2013-11-14

