

Dell DR Series appliance with Dell Data Protection | NetVault Backup

Dell's DR RDA technology 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 backup storage, and meet your recovery time objectives with Dell DR Series appliances integrated with Dell Data Protection | NetVault Backup software.

Simple to install and manage, the DR Series appliances are a turnkey solution designed to drop in to any backup workflow. They are purpose-built, disk backup appliances that use Dell deduplication technology to significantly improve backup and recovery processes by reducing the amount of data that needs to be stored. The DR Series appliances integrate with

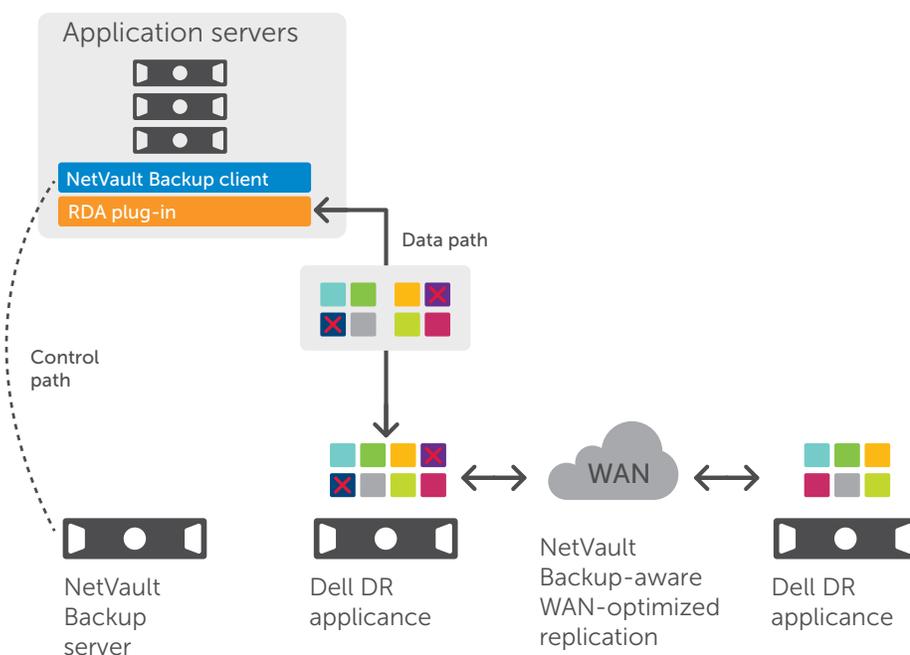
NetVault Backup software so you can safeguard your data and applications in both physical and virtual environments from one intuitive interface.

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 DR Series appliances offer 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 DR appliance.

Benefits:

- Powerful deduplication to reduce backup storage footprint by up to 15:1
- Rapid Data Access protocol accelerator speeds source-side deduplication to dramatically boost data ingest
- 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
- Use VTL emulation to reduce or eliminate reliance on tape, for lower capital and operating costs
- DR appliances handle all tasks associated with replication, reducing the strain on media server



Dell Data Protection | NetVault Backup seamlessly integrates with Dell DR Series appliances

By combining a Dell DR appliance with NetVault Backup, you can perform sourceside deduplication to drastically reduce backup times and minimize network bandwidth usage.

Features

Rapid Data Access technology — RDA technology delivers tight integration between NetVault and a DR appliance. You can use the solution to transfer backup data up to three times faster — up to 29TB/hour — compared to similarly priced solutions.

Source-side deduplication — The DR appliance'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 DR 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 costs and inefficiencies associated with distributed backup environments. DR Series appliances also support cascaded replication so you can send backup workloads from a primary site to a secondary site and then onto a third location. The data transfer is WANoptimized, and all replicas are cataloged by NetVault Backup.

Built-in data protection capabilities — The Dell DR appliance 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 DR appliance 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. DR appliances also support AES 256-bit Encryption at Rest, so data is always protected as it's ingested and when it's stored.

VTL support eliminates the need for physical media — DR appliances can ingest data from applications and store it as "virtual" tape libraries so you can eliminate the time and cost associated with tape backups. Using either NDMP or iSCSI connections a DR appliance can support up to 4 VTL containers subdivided into 10 tape libraries holding as many as 10K "cartridges" each.

Consolidated tape storage for archives — Decentralized tape libraries are expensive and require on-site IT staff to maintain — especially if you have a distributed business with multiple remote offices. By replicating backup data from many DR appliances to one central DR appliance 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 DR Series appliances are turnkey disk backup appliances 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.

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