

# EMC NetWorker Options

## Expand the scope and scalability of your NetWorker deployment

### The Big Picture

- Add specialized functionality to drive greater performance and simplify management
- Increase coverage to bring your entire IT infrastructure under central control and command
- Make the most of your backup resources to reduce costs and meet demanding service level requirements

EMC® NetWorker® options add specialized functionality to basic backup and recovery operations to enhance performance, simplify management, and scale your data protection operations.

### Storage nodes

Storage nodes help scale out and increase performance by enabling additional server resources for data movement in the backup and recovery environment. Storage nodes drive data to disk, tape, and virtual tape in the backup environment and send all file index and location data to the central NetWorker server for tracking. To free network resources, dedicated storage nodes can be used to exclusively back up large application or database clients directly to local or SAN-attached backup media. Integration with EMC Data Domain® Boost software enables NetWorker storage nodes to share in the deduplication process and send only unique data segments to a Data Domain system. This dramatically increases aggregate throughput and reduces the amount of data transferred over the network.

### Data Domain Device Type

The Data Domain Device Type license enables NetWorker to streamline setup and management of Data Domain deduplication storage systems and take advantage of DD Boost software for more efficient backup and recovery. DD Boost significantly increases performance by distributing parts of the deduplication process to the storage nodes. It also simplifies disaster recovery procedures by enabling NetWorker to control and track replication between multiple Data Domain systems. With the Data Domain Device Type, NetWorker users can easily manage, monitor and report on Data Domain systems, simplifying management for the entire backup operation.

### DiskBackup Option

The DiskBackup Option enables you to use high-capacity, high-speed disk arrays to protect and recover data. With support for concurrent read/write operations, you can perform critical backup and recovery operations at the same time, from the same device. This includes the ability to simultaneously back up and recover data, as well as simultaneously stage backups from disk to tape, improving tape storage performance and return on investment. The DiskBackup Option delivers complete NetWorker performance and management capabilities when backing up to disk, including automated staging and cloning with single-step recovery. The result: lower total cost of ownership, reduced recovery times, and greater operational efficiency.

### Virtual Tape Library Option

The Virtual Tape Library (VTL) Option enables users to connect and control VTLs for disk-based backup and recovery with NetWorker. VTLs make it easy to adopt backup-to-disk while preserving existing tape-based NetWorker settings and workflows. The VTL Option provides the flexibility to configure and reconfigure VTL devices as needed—to meet backup and recovery goals without concern for licensing changes.

## Autochanger Modules

Autochanger Modules automate NetWorker backup and recovery operations with tape libraries and silos.

## Cloud Backup Option

The Cloud Backup Option enables NetWorker to use EMC Atmos™-based cloud storage as a backup target for offsite vaulting. The Cloud Backup Option is a perfect choice for those who are looking for an alternative to tape. Used in conjunction with on-premise disk, quick restores are always available, and easy cloning to the cloud eliminates the costs of tape management. Leveraging AES 256-bit RSA encryption, you can rest assured knowing any data sent offsite is secure. Bandwidth throttling ensures you have control of the network bandwidth used for backup at any given time.

## Archive Module

The Archive Module enables capture of files or directories as they exist at a specific time, and writes the data to tape archive storage volumes that are not subject to automatic recycling. Archive save sets have no expiration date and can be browsed indefinitely. This is a useful tool when decommissioning systems or servers to ensure a copy of data is maintained in the event that future access is needed.

## SnapImage

The SnapImage Module delivers low impact block-level data movement to speed backup and recovery for high-density file systems on UNIX and Windows. Based on the Network Data Management Protocol (NDMP), SnapImage significantly reduces the time to back up millions of small files, and provides flexible recovery options at the file, directory, or volume level. Together with intelligent switches, SnapImage enables serverless data movement in the SAN fabric.

## Simple Network Management Protocol Module

The Simple Network Management Protocol (SNMP) Module allows NetWorker servers to send notification messages to SNMP management agents. Customers using a centralized management console for network management can see NetWorker messages—such as warnings and critical errors—that require administrative attention.

## Dynamic Drive Sharing

Dynamic Drive Sharing (DDS) brokers SAN-attached tape drives in a NetWorker “datazone,” ensuring fast and complete backup and recovery jobs and maximizing your tape library investment.

## NDMP Client Connection

The NDMP Client Connection can back up network-attached storage (NAS) devices in your NetWorker environment. Combined with NetWorker and the DiskBackup Option, NDMP Client Connection offers the unique capability to back up NAS devices to disk. EMC helped develop the Network Data Management Protocol (NDMP), the industry standard for back up and recovery of NAS devices.



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### Take the next step

For more information about EMC NetWorker and other EMC backup and recovery solutions, contact your local EMC sales representative or authorized value-added reseller, or visit [www.EMC.com](http://www.EMC.com).