

EMC NETWORKER MODULE FOR MICROSOFT APPLICATIONS

Unified data protection for Microsoft applications

ESSENTIALS

- Flexible protection and recovery of Microsoft applications with Volume Shadow Copy Service
- Protection for valuable corporate data, ensuring it's safe and always available
- Easy shadow copy scheduling and management
- Instant low-impact snaps for quick restore and off-host backup
- Supports traditional backup as well as deduplication to reduce daily full backup times, required network bandwidth, and total backup storage required
- Single-step recovery from disk or tape

To simplify protection and recovery of Microsoft environments, EMC® NetWorker® and the NetWorker Module for Microsoft Applications provides a single, unified solution that leverages Microsoft Volume Shadow Copy Service (VSS) for snapshot-based protection and recovery of Microsoft Exchange, SQL, SharePoint, Data Protection Manager, and Active Directory. NetWorker also delivers a common platform that offers support for both traditional backup technologies as well as next-generation data deduplication that reduces the size of backup data—before it is transferred across the network and stored to disk.

VSS-BASED PROTECTION

Microsoft Volume Shadow Copy Service (VSS) provides a backup interface for Microsoft Windows operating systems and applications, as well as a mechanism for creating consistent point-in-time copies of data. NetWorker and the NetWorker Module for Microsoft Applications make use of the VSS framework to enable consistent and efficient protection and recovery for major Microsoft Server business applications.

- Enables creation of point-in-time copies of application data
- Leverages VSS software or hardware providers to enable flexible and efficient copy creation
- Facilitates backup to secondary media while applications are online and in use

The EMC NetWorker Module for Microsoft Applications provides a single, unified solution for protection and recovery across heterogeneous environments.



DEDUPLICATION

EMC NetWorker and the NetWorker Module for Microsoft Applications provide seamless integration with the industry's two leading deduplication solutions—EMC Avamar® and EMC Data Domain® deduplication storage systems. Deduplication revolutionizes disk-based data protection, significantly reducing backup data and providing network efficient disaster recovery. NetWorker and the NetWorker Module for Microsoft Applications deduplication support offers:

- Integration with Data Domain systems via EMC Data Domain Boost software to drive new levels of speed and efficiency for managing data center workloads
- Deduplication via Avamar to solve critical backup challenges in remote offices and virtual environments

- Network-efficient replication with deduplication for fast and reliable bandwidth efficient disaster recovery protection
- A common index and media database to ensure reliability and recoverability

Integrated software and hardware deduplication solutions from EMC deliver unmatched reliability and efficiency. With NetWorker, users can easily and safely evolve from traditional to deduplicated backup protection.

FLEXIBLE BACKUP OPTIONS

NetWorker supports multiple options for moving data from snapshots to backup media such as disk, tape, and virtual tape.

- LAN-based: Data flows from application hosts over the LAN through a NetWorker storage node to one or more backup storage devices or directly from the application host to Avamar or Data Domain.
- LAN-based via proxy client: A proxy client is used to back up data on behalf of application hosts on a SAN in conjunction with supported VSS hardware providers. This configuration removes the impact of backup from the production application servers.
- LAN-free: Data flows from the application host configured as a dedicated storage node or via a proxy storage node to storage on a SAN.

FLEXIBLE RESTORE OPTIONS

NetWorker supports multiple options for recovery of Microsoft application data.

- Restore from backup storage: Single step restores of application data from backup on tape, disk, virtual tape, Avamar, or Data Domain
- Restore or rollback from snapshot: Restores application data from disk-based replicas

Additionally, by application, flexible full system disaster recovery and item-level granular recovery are available to minimize complexity, simplify restore operations, and speed return-to-service.

SUPPORT

Application Support	Windows Server OS Support	Provider Support
Microsoft Exchange Server 2010	Windows Server 2008 Hyper-V/R2	Windows VSS System Provider
Microsoft Exchange Server 2007	Windows Server 2008/R2	EMC VSS Hardware Provider (EMC Symmetrix®, EMC CLARiiON®, EMC Celerra®)
Microsoft Exchange Server 2003	Windows Server 2003	Dell EqualLogic VSS Hardware Provider
Microsoft SQL Server 2010	Basic and Dynamic Disks	Microsoft iSCSI Software Target VSS Hardware Provider
Microsoft SQL Server 2008/R2	System State Recovery and OS Roles (Active Directory, DHCP, Terminal Services)	IBM Storage Server VSS Hardware Provider
Microsoft SQL Server 2005		
Microsoft Office SharePoint 2010		
Microsoft Office SharePoint Server 2007		
Microsoft System Center Data Protection Manager 2007		

CONTACT US

To learn more about how EMC products, services, and solutions help solve your business and IT challenges contact your local representative or authorized reseller—or visit us at www.EMC.com

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