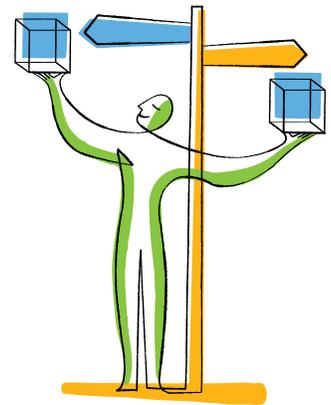




NetApp®



## Datasheet

# NetApp SnapProtect Management Software in Microsoft Exchange 2010 Environments

Accelerate and Simplify Backup and Recovery for Exchange 2010

### KEY BENEFITS

#### Fast Backup and Recovery for Exchange 2010

Access on-demand, application-consistent NetApp® Snapshot® copies for rapid backup and restores of entire Exchange databases; or search for and restore specific e-mails in minutes from disk or tape.

#### Flexible Protection in Virtualized Environments

Minimize downtime and help prevent data loss through integration with VMware® environments orchestrated with Exchange 2010.

#### Lower the Cost of Backup and Recovery

Industry-leading NetApp storage efficiencies can lower your disk capacity utilization by up to 90% and significantly reduce network bandwidth usage.

### The Challenge

Microsoft® Exchange 2010 is a mission-critical application that connects businesses and people globally. Because no other single application touches every aspect of your business like Exchange, it must be continually available to users, and e-mail repositories must be protected from loss. However, managing backup and recovery for Exchange 2010 is a growing challenge as Exchange data is growing faster than most backup technologies can keep pace.

### The Solution

Introduce speed, efficiency, and simplicity into the way you protect Exchange 2010 with NetApp SnapProtect™ management software. Reduce your risk of data loss with application-aware backup and recovery designed to perform in data-intensive Exchange 2010 environments.

SnapProtect software accelerates and simplifies operations by combining NetApp Snapshot and replication technology with traditional backup process management in a single solution. SnapProtect software supports Exchange 2010 on both physical and virtual infrastructures, giving you the flexibility to deploy and protect Exchange 2010 based on your specific environment.

Our solution also enables you to reduce costs by leveraging the broad range of NetApp storage efficiency technologies. For example, NetApp Snapshot copies, RAID-DP®, and deduplication technologies can help you reduce the number of Database Availability Group (DAG) database copies required for Exchange 2010 high-availability configurations by up to one-third.

#### Faster Backup and Recovery for Exchange 2010

SnapProtect software uses Snapshot copies that have little to no impact on production operations, so you can back up your mission-critical Exchange 2010 environments more often and in less time. You can create local, application-consistent Snapshot copies of Exchange 2010 databases and application data that can be restored in seconds. Snapshot data is cataloged, so that you can find specific files faster and speed e-discovery times.

SnapProtect software manages NetApp SnapVault® software to replicate Snapshot copies of Exchange 2010 data to another array using standard daily, weekly or monthly backup policies for a high speed, cost-effective disk-to-disk solution. Backups can also be copied to tape to meet your specific long term retention needs.

“As a Microsoft Global ISV and Gold Certified Partner, NetApp can better meet your Exchange 2010 backup and recovery needs through close collaboration with Microsoft on key product integration efforts and joint development.”

#### **Unified Management Simplifies Backup and Recovery**

SnapProtect software is your hub for backup and recovery of any size Exchange 2010 deployment. Creation of Snapshot copies, replication, and even movement of backups to tape for complete disk-to-disk-to-tape strategies can all be accomplished. You can also extend your SnapProtect software to protect other Microsoft applications like SharePoint® and SQL Server®, consolidating and simplifying backup across your environment. With SnapProtect consolidated management, you spend less time managing processes and enable your team to respond faster to requests.

SnapProtect software also provides comprehensive global reporting and monitoring to confirm backup success and track how data is protected, including when backups are accessed and by whom. Audit-ready information-handling reports can be sent to mobile devices or to Microsoft System Center.

#### **Reduce Risk and Improve Responsiveness with Application Awareness**

SnapProtect integrates with Exchange 2010, coordinating with Microsoft Volume Shadow Services (VSS) and NetApp Snapshot copies to complete backups faster, helping to minimize

disruption to production services. Backups capture log files, application data, and database together for consistent restores. Log playback for Exchange databases can then be used to accelerate recovery and restore of Exchange 2010 services. Consistency with point-in-time log management is passed to secondary and tertiary storage tiers, so you can recover application-aware data sets over time.

You can also improve your responsiveness to users and meet stringent business objectives with the ability to restore individual Exchange 2010 data objects. This complements the ability of Exchange 2010 to granularly delegate permissions and transfer certain tasks to your help desk or even directly to end users. Content indexing and search provide a full view of individual data objects such as mailboxes, folders, e-mails, attachments, and calendar items. You can also perform simultaneous searches across multiple Microsoft applications, including Exchange 2010 and earlier Exchange versions, as well as SharePoint and SQL Server, to consolidate requests for restores of data objects that contain specific key words.

#### **Flexible Backup and Recovery of Exchange 2010 in Virtualized Environments**

Backups and restores for Exchange 2010 are faster in virtualized environments because the SnapProtect software uses Snapshot copies to protect the datastores containing virtual machines (VMs) in tandem with Exchange 2010 datasets. SnapProtect software works with Exchange 2010 to quiesce the dataset and make sure that all data is written to disk so no data is lost. The process is rapid, completing in seconds to minutes, so the impact on production operations and virtual server infrastructure resources is limited.

#### **Lower Costs with Built-in Efficiencies**

In addition to fast and simple data protection, building your Exchange 2010 environment on NetApp technologies offer benefits in scalability and IT efficiency. NetApp FAS and V-Series systems include a variety of storage efficiency technologies designed to minimize the cost of primary storage and disk-based backup.

Exchange 2010 databases have a tendency to accumulate duplicate data through forwarding of the same message, increasing storage costs and management overhead. NetApp deduplication virtually removes duplicate data across production, backup,

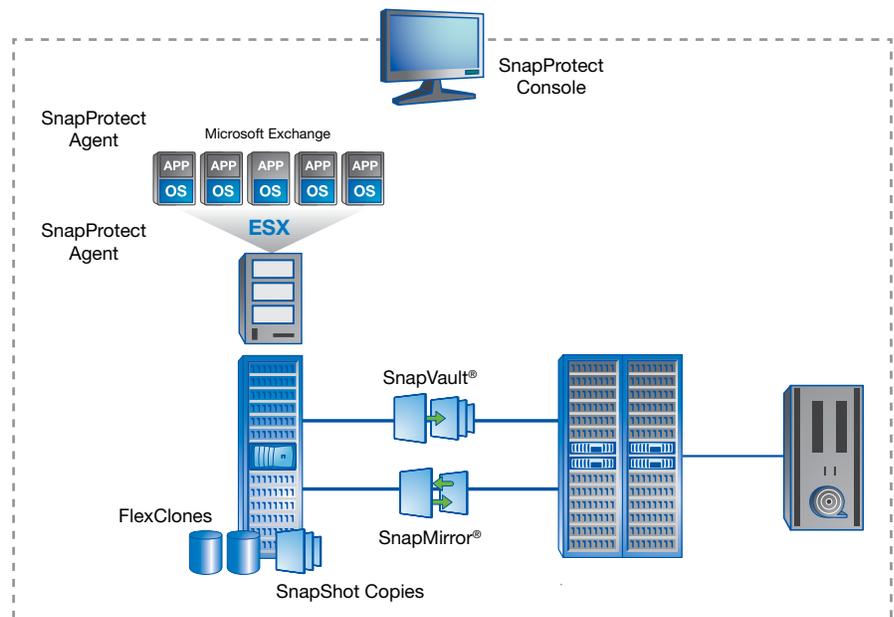


Figure 1) SnapProtect disk-to-disk-to-tape data protection management for Microsoft Exchange 2010 environments.

archive, and disaster recovery that can accumulate without the single instance storage feature of earlier Exchange versions. Use flexible volumes for on-demand storage resizing and thin provisioning to dramatically reduce costs by increasing utilization levels and eliminating static storage pools.

With SnapProtect management software you can implement strategic end-to-end backup and recovery for Exchange 2010 with faster restores, improved service levels, and a lower risk of data loss.

### NetApp and Microsoft Partnership

NetApp and Microsoft are well aligned, with a strong relationship in both the business and technical aspects of our solutions. As a Microsoft Global ISV and Gold Certified Partner, NetApp can better meet your Exchange 2010 backup and recovery needs through close collaboration with Microsoft on key product integration efforts and joint development.

1. Based on NetApp internal testing

### About NetApp

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate business breakthroughs. Discover our passion for helping companies around the world go further, faster at [www.netapp.com](http://www.netapp.com).

Go further, faster®



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