



NetApp™
Go further, faster



Solution > Applications > **Messaging**

NetApp Solutions for Microsoft Exchange

KEY BENEFITS

Lower TCO

Potential to save more than 35% compared to legacy storage solutions.

Improve Availability

Shrink downtime with online storage provisioning and fast backup and recovery.

Speed Backup and Recovery

Protect your data with more frequent, nearly instantaneous backups with little impact on system performance. Recover any size Exchange database in minutes instead of hours or days.

Recover Single Mailboxes Easily

Securely recover and restore individual mailboxes, e-mail messages, or attachments in minutes without affecting system availability.

THE CHALLENGE

Simplify Microsoft Exchange data management

More than ever, many companies view enterprise messaging as a business-critical application. The enterprise messaging system that leads the market is Microsoft® Exchange Server. With this powerful platform, you can increase productivity by enabling people across your organization to communicate and collaborate quickly and easily.

To get the most value from your enterprise messaging system, you need a highly reliable storage infrastructure that maximizes data availability. You also need to be able to rapidly recover in the event of an outage or a disaster, and you must address the growing e-mail storage requirements that are pressuring IT budgets. This issue is particularly common in businesses that use direct-attached storage for their enterprise

messaging infrastructure, which produces underused storage assets and high storage administrative costs.

You may also be contending with the challenge of managing multiple messaging platforms of varying vintages across the enterprise, perhaps as the result of a merger or an acquisition. This presents an opportunity to consolidate and standardize your enterprise messaging environment, but you may want help in developing the right infrastructure strategy. In addition, if you are migrating to Microsoft Exchange Server 2007 or 2010, you'll want to minimize any impact on users during the transition.

Complying with government and industry regulations is another important challenge that many companies face today. You need a secure yet economical archival solution to enforce retention requirements so that your data remains complete, accurate, and accessible when you need it.

Microsoft
GOLD CERTIFIED
Partner

2009 ADVANCED INFRASTRUCTURE SOLUTIONS
Storage Solutions
PARTNER OF THE YEAR
WINNER

“Beyond reliable hardware, NetApp offers major advantages with infrastructure and application tools to help maintain highest availability and at the same time enable us to significantly reduce management overhead... With the combined benefits of a virtual environment and the NetApp software tools, we’ve been able to deploy a highly available Exchange messaging system.”

Kishore Fernandez

IT Manager, Engineering Systems and Storage, Marvell Technology Group, Ltd.

To address all of these challenges, you need an approach that focuses on storing and managing your Exchange data more efficiently and economically while increasing the availability of your enterprise messaging environment to users across your company. You also need a flexible enterprise messaging infrastructure that can readily scale to keep pace with the evolving needs of your business.

THE SOLUTION

NetApp’s comprehensive storage and data management solutions can store, manage, protect, and retain data for enterprise messaging systems based on all versions of Microsoft Exchange Server, including Exchange 2010, 2007, and 2003. NetApp and Microsoft engineers work closely together so that our technologies integrate well and deliver outstanding performance. As a result, NetApp can help you optimize your Microsoft Exchange Server deployment. Our industry-leading solutions are engineered to take advantage of the latest features in Exchange and to help you: increase availability, reduce storage costs, and simplify your IT environment.

NetApp is a Microsoft Gold Certified Partner and the 2009 Microsoft Storage Partner of the Year. With our wide range of solutions and expertise, we can help your business go further, faster by enabling people in your enterprise to communicate and collaborate whenever they need to with coworkers, partners, and customers. As a result, they are more productive and can contribute more effectively to the overall success of your business. Our storage and data management solutions for all versions of Microsoft Exchange include:

- Consolidation
- Backup and recovery
- Business continuity
- Archive and compliance

INCREASE DATA AVAILABILITY AND IMPROVE PRODUCTIVITY

You can increase data availability, improve productivity, and realize significant cost savings by migrating and consolidating your Exchange Server data onto NetApp® storage systems. Our storage systems are ideally suited to your Exchange server consolidation and virtualization

plans. Our solutions support both physical and virtualized infrastructure environments based on hypervisor technologies, including VMware® and Microsoft Windows Server® 2008 Hyper-V™. With NetApp, you can simplify the infrastructure of your Exchange environment and use fewer disparate server and storage systems, dramatically lowering your costs.

You can also increase your ability to protect your data with NetApp Snapshot™ technology, which enables you to make more frequent backups—with minimal impact to system performance—while increasing the efficiency of your storage resources. Streamlining your storage infrastructure with NetApp also helps you simplify data management and provides a solid foundation for a smooth transition to Microsoft Exchange Server 2007 or 2010. NetApp Global Services and our extensive solutions partner network can provide knowledgeable help to assist you with your consolidation planning and implementation.



SPEED BACKUP AND RECOVERY

Our backup and recovery solutions let your IT staff automate data backups, which are performed almost instantaneously with little impact on system performance. With NetApp, you can quickly and easily recover and restore data, including individual mailboxes, messages, or attachments. As a result, you can provide improved data protection and increased availability for your enterprise messaging system.

ENABLE BUSINESS CONTINUITY

Our disaster recovery solutions help you safeguard your business-critical messaging and communications system and minimize downtime in the event of a disaster. With NetApp solutions, you can quickly reestablish full system functionality and help keep your business running at peak performance.

MEET ARCHIVE AND COMPLIANCE REQUIREMENTS

Our archive and compliance solutions help you reduce storage costs by providing affordable, disk-based long-term storage. Our solutions integrate

with major archiving applications to help reduce complexity. For additional security, we also offer encryption solutions that help reduce the risk of inadvertent or malicious alteration of messaging data.

REDUCE COSTS AND INCREASE EFFICIENCY

With our storage solutions for Microsoft Exchange, you can reduce costs and streamline management of your enterprise messaging environment. Market research studies show that the total cost of ownership for NetApp storage solutions supporting Microsoft Exchange environments is more than 35% less expensive (which is a dramatic reduction) than major competitive alternatives¹. With our storage solutions for Microsoft Exchange Server, you can:

- Save money through improved storage utilization
- Increase productivity and reduce labor costs related to operation and management
- Reduce your storage systems' footprint and data center costs, including power and cooling

- Enhance the resiliency of your Exchange environment to reduce downtime costs
- Grow when you need to, without disrupting your end users

You can find out more at your local Microsoft Technology Center. There, you will see firsthand how the combination of Microsoft and our hardware, software, and services provides a resilient foundation for even the most demanding enterprise messaging environment. To learn more, contact your NetApp representative

¹ "Total Cost Comparison: IT Decision-Maker Perspectives on EMC, HP and NetApp Solutions for Microsoft Exchange and SharePoint Server Environments," Oliver Wyman, November 2009

CHALLENGE

NETAPP SOLUTION

Reduce costs	<p>You can reduce storage costs, centralize management, and use your storage and servers more efficiently when you consolidate your existing enterprise messaging environment on NetApp.</p> <p>Our solutions can slash operational costs by cutting your power, cooling, and floor space needs in half. From traditional physical environments to virtual infrastructure solutions leveraging technology such as Microsoft Hyper-V and VMware, we can help you operate more efficiently and cut costs.</p>
Reduce storage capacity requirements and increase efficiency	<p>NetApp's space-efficient Snapshot technology enables you to use far less storage to maintain multiple replicated database copies for data protection for any version of Exchange, including use of JBOD configurations for Exchange Server 2010 deployments.</p> <p>You can achieve further efficiency with NetApp deduplication, which searches for and eliminates duplicate data. Microsoft no longer includes Single Instance Storage (SIS) in Exchange 2010, making NetApp deduplication essential to eliminate duplicate data across all storage tiers. For previous versions of Exchange, deduplication helps to eliminate duplicate data in archived storage. In all cases, NetApp deduplication can help you free up storage space and increase efficiency.</p>
Improve availability	<p>With NetApp FAS storage systems, you minimize disruptions caused by expanding your online storage. Your backups are nearly instantaneous, and you can recover any size database in minutes.</p>
Make a smooth transition	<p>You can minimize user disruption during implementation and migration of your new storage solution with the help of NetApp Global Services and our wide network of partners. Leverage our many years of experience and expertise with all versions of Exchange to guide you through planning and implementing your Exchange Server 2007 or 2010 deployment using NetApp storage.</p>
Support e-mail volume growth and retention	<p>As your e-mail volume grows, you can add storage capacity without disrupting Exchange or your users. To further reduce costs, you can seamlessly archive older data onto high-capacity, lower-cost NetApp NearStore® on FAS storage systems by using leading e-mail archival applications.</p>
Simplify management	<p>E-mail administration is more efficient when you use NetApp SnapManager® for Exchange to fully automate data backup and recovery processes for your enterprise messaging system.</p>
Speed search and retrieval	<p>You can quickly find and retrieve individual mailboxes, messages, and attachments directly from online and offline Snapshot copies with NetApp Single Mailbox Recovery for Microsoft Exchange software. You can also use this powerful software for e-discovery to rapidly search across multiple mailboxes using multiple search criteria. In addition to saving time, Single Mailbox Recovery helps you to reduce costs by eliminating the need to set up and maintain a separate recovery server and storage system to restore individual mailboxes.</p>
Meet compliance requirements	<p>You can implement e-mail retention policies and regulations by archiving e-mail using our SnapLock® software to create compliant WORM (nonoverwritable) volumes.</p>
Increase security	<p>If your Exchange data is lost or stolen, it remains inaccessible to outsiders when you use NetApp DataFort encryption appliances. With our low-latency approach to encryption, you can secure your data without sacrificing speed.</p>