

Backup, Recovery, and Archive Solution for E-mail

Lower costs, improve efficiency

Key Customer Benefits

- Reduced time to back up Exchange by 80 percent and reduced the amount of data to be backed up by more than 70 percent by shortcutting messages in Exchange using EmailXtender; reduced tape media costs and more efficiently used tiered storage.
- Cut the time of message retrieval to seconds or minutes by searching the online active archive; improved accuracy of search results with full-text index and search filters.
- Eliminated the need for restrictive mailbox quotas by proactively managing the size of the message store; users no longer need to create .PST files; improved end-user experience.
- Automatic and consistent enforcement of corporate retention and deletion policies.
- Ensured fast, reliable recoveries and removed the headaches of problematic tape availability and performance.
- Removed traditional archive storage TCO constraints and enforced content retention policies with a unique archival platform.

Backup, Recovery, and Archive Challenges with E-mail

- Explosive growth in the number and average size of e-mails is driving Exchange information stores and Notes databases in excess of several hundred gigabytes.
- E-mail is consuming expensive primary storage, driving up the cost of storage.
- Daily full backups are expensive and unmanageable given the escalating size of mail systems.
- Backup cycles and media are wasted backing up multiple copies of the same document or messages that haven't changed.
- Quick, reliable message retrievals are nearly impossible when retrieving from backup tapes.
- Users complain about restrictive mailbox quotas and work around mailbox limits by creating local personal archives.
- Message retention and disposal are difficult to effectively manage and enforce.

Customer Example-Manufacturer using Exchange

- Backup-to-tape operations took a full day to complete due to the size of the Exchange information store.
- Rapid growth of Exchange environment was consuming more primary storage capacity.
- Retrieval from backup was ineffective and time-consuming.
- Users created .PST files to get below mailbox quotas.

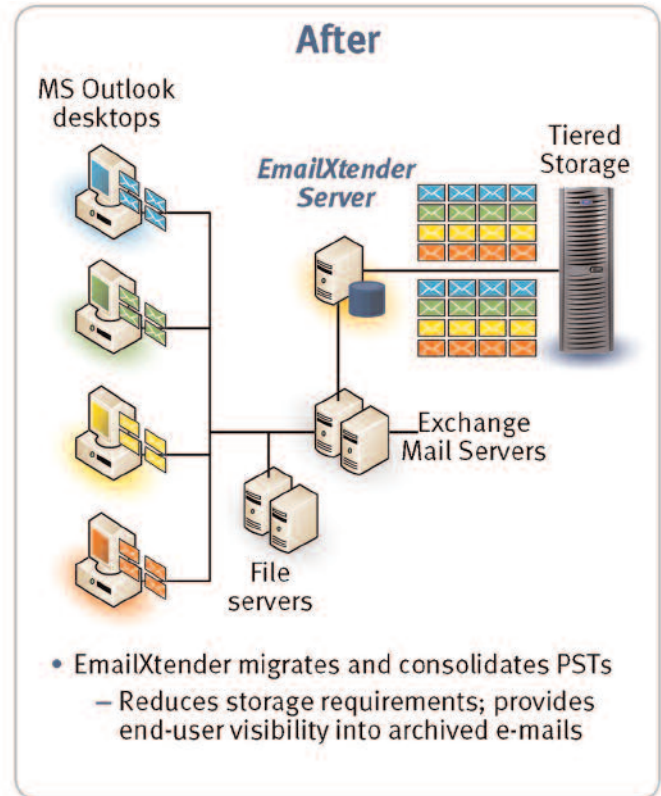
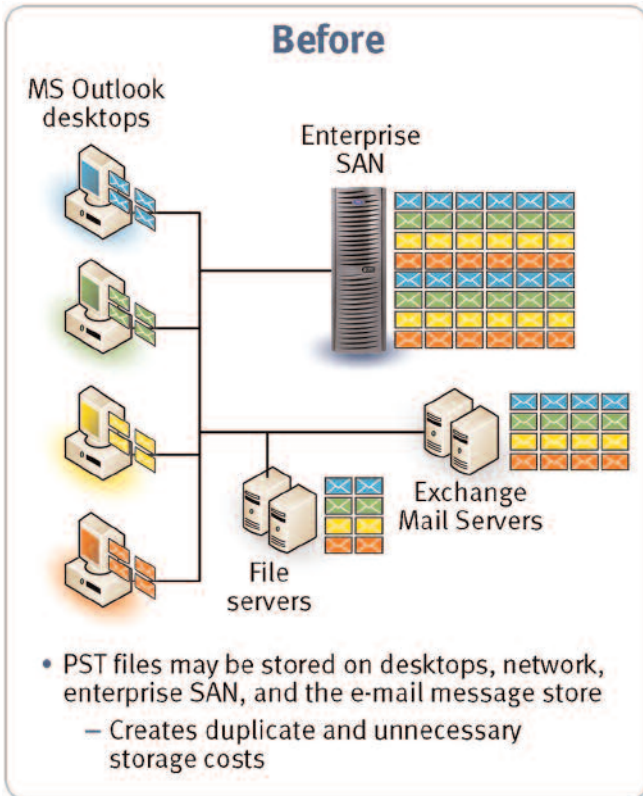
The Solution

- EMC® EmailXtender®
- EMC DiskXtender®
- EMC Centera™
- EMC NetWorker™
- EMC CLARiiON® ATA

Points to Consider

- Are you meeting your backup windows for your messaging servers? How effective is tape for recovery purposes? Have you ever had a tape fail in your recovery efforts?
 - How quickly can you search for and retrieve individual messages? Can you produce e-mails quickly, efficiently, and with confidence to respond to any type of discovery request?
 - Are your users consistently exceeding their mailbox quotas? Do your users create personal archives to get below their mailbox limits? How much file share space is being consumed by personal archives (.PST files)?
 - Can you effectively enforce retention and disposal policies? Is this a manual process? Do you enforce retention policies in all of the places where e-mails live outside of the message server, like personal archives and backup tapes?
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Before and After Graphics—PST File Management



Prior Environment	EMC Environment
Backup windows lengthy, costly tape media.	Reduce backup windows by reducing the size of the messaging server. Shortcutting removes the attachments on the primary message server and puts a pointer in its place, reducing consumption of primary storage by attachments.
Mailbox capacity growing at an unmanageable rate, driving up tier 1 storage costs.	Migrate messages to lower-cost storage tiers, but still make the content accessible through an online, active archive.
Restrictive mailbox quotas; users create personal archives to get below limits.	Offer a virtually unlimited mailbox to your users, eliminate the need for your users to manage their mailbox and improve the user experience.
Difficult, lengthy retrieval process.	Full-text indexing, search filtering, and a single, centrally managed archive will significantly expedite retrieval time and improve accuracy of search results.



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Solution Brief
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“Backups were incredibly hard to manage and incredibly wasteful of storage media, offline storage space, and tape device resources. Because we were doing full backups every night, our historical tapes contained multiple copies of the same e-mail from day to day.”

Take the Next Step

To discover the advantages and EMC Backup, Recovery, and Archive Solution for E-mail can bring to your e-mail environment, contact your local EMC representative authorized value-added systems integrator, or visit our website at www.EMC.com.