

IMPROVE FILE STORAGE EFFICIENCY

Proactively Manage Your File Systems

Estimates show that corporate data continues to grow at rates of over 60% per year – and that's only factoring in existing applications and systems. If you're like most firms, you also need to introduce new applications -- with their own data storage needs. Companies can no longer subscribe to the old practices of "add a server for that app" or "throw in more disk" in their already-complex environments.

Eastern Computer has the knowledge and first-hand experience to help customers make the right decisions when adding storage – for both new implementations and expansion of existing hardware – to design a solution that will both store *and* manage your data.

Benefits of File System Assessment

- Anticipate, rather than react to, increasing application storage needs.
- Accurately determine how much space is consumed by your disparate data stores.
- Determine which files are accessed infrequently, or not at all!
- Accommodate seemingly ever-increasing archiving and data retention requirements.
- Learn the benefits of tiered storage – storing less critical data on less expensive hardware.
- Measure disk usage by file type to determine which applications are taking up the most space.
- Gain insight into data stores that may be impacting your backup execution times.
- View your data storage details through different views -- from summary to detail level.
- Learn how to produce reports that can be used for projecting storage needs and provide valuable input for capacity planning.
- Determine if your environment could benefit from a consolidated archiving solution.
- Reduce time and resource requirements spent on storage administration tasks.



Do these points apply to your disk storage environment?

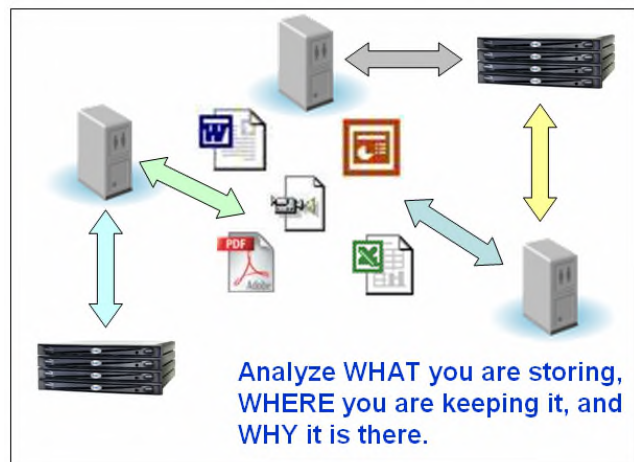
- 51% of data is out of date, duplicated, or non-business related.¹
- 68% of data has not been accessed in 90 days or more.²
- 55% of unplanned server outages are a result of out-of-control disk space consumption.³
- 60% improvement in management efficiency is required each year for storage managers to keep pace with storage growth.⁴

1. GartnerSource Consulting
2. Strategic Research Corp., 4 BC

Business Drivers for File System Assessment:

- Proactively plan for storage increases due to data volume growth and expanding retention requirements.
- Architect your storage for optimal on-line, near-line, and off-site access using your requirements, not generic guidelines or suggestions.
- Effectively deal with internal and external rules around data handling, retention and disposition.
- Leverage current infrastructure components without replacing valuable hardware.

Improved Visibility into Data Storage:



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STORE E-MAIL MORE EFFECTIVELY

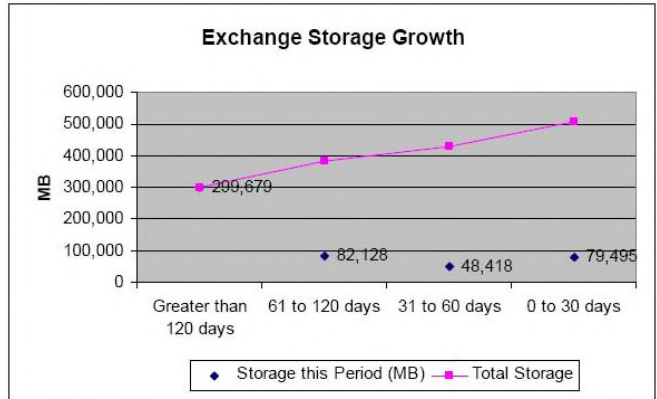
Is Your Exchange Environment Under Control?

E-mail, once viewed as a novelty application, has grown to become the number one business-critical tool. Used for far more than simple communication, e-mail is, for many, indispensable for contact management, scheduling, and file sharing. More usage equals more data, and there's no end in site since e-mail is used by virtually every member of your organization. New regulations and requirements for message archive, search, and retrieval further complicate the ongoing administration of your Exchange servers.

Eastern Computer has the knowledge and first-hand experience to help customers make the right e-Mail storage decisions – by utilizing your firm's data to report on and plan for expansion – to design a solution that will both store *and* manage your data.

Benefits of Exchange E-mail Assessment

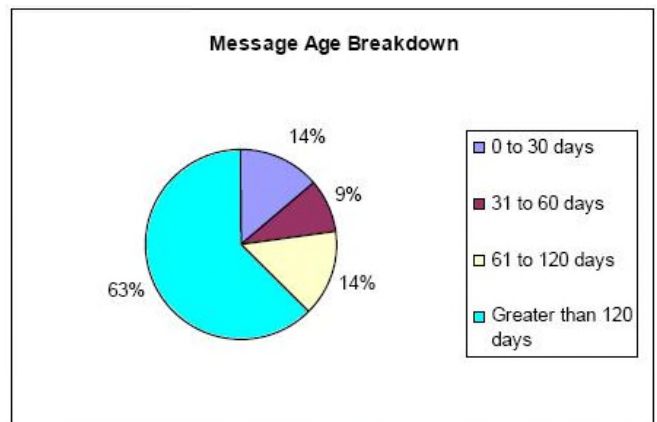
- Document the current state of your Exchange servers to improve management and operating performance
- Identify mail files and content by age and size – by individual mailbox, department or broad view
- Determine impact of e-Mail on backup windows
- Evaluate if archiving can further improve the Exchange environment
- Discover how much storage is consumed by .PST files, and learn where they are stored
- Understand which files and attachments have not been accessed in weeks, months, or years
- Obtain in-depth information to gather details on:
 - ✓ Server storage utilization & growth rates
 - ✓ File last-accessed and last-modified times
 - ✓ Storage consumption by file extension
 - ✓ Duplicate files
 - ✓ Server .PST files
 - ✓ E-mail message and attachment aging
 - ✓ E-mail store growth rates
 - ✓ E-mail mailbox properties
 - ✓ Best-practice violations



Business Drivers for E-mail Assessment:

- Make strategic storage purchase decisions with full understanding of e-mail utilization of mail and file servers using your fact-based data, not estimates or examples
- Document information that is critical to assessment of risk and understanding compliance exposure in an “e-discovery” situation
- Potentially Improve your e-mail environment recovery time through understanding of archive options
- Learn how archiving e-mail may reduce your operational overhead, simplify your production environment, and improve backups
- Understand the benefits of active archive and how it can free up storage on your e-mail and file servers

Sample Message Age Breakdown Graph:



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BACKUP IS CRITICAL

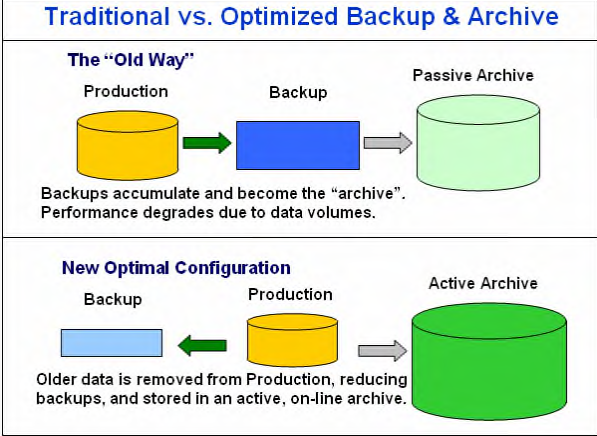
Fully Utilize Your Backup Hardware and Software

Your backups run every day, and lots of information is captured detailing the job execution kick-off, duration, file details, and hopefully, success of the scheduled backups. But what if you don't have time to analyze the lengthy job logs? Can you be sure that the data you need to restore has been safely backed up? Don't leave this important consideration to chance – automate the status reporting of your Enterprise Backup environment and take the guesswork out of backup and restore tasks.

Eastern Computer has the knowledge and first-hand experience to help customers gain the most value out of the backup hardware and software that you count on every day – while reducing the amount of time you spend managing this important function.

Benefits of Enterprise Backup Assessment

- Implement and ensure adherence to backup and archiving policies
- Gain full visibility into the backup process – from tape drives to network and server performance.
- Easily identify “Top 10 Clients” for: Fastest, Slowest, Most Unreliable, in addition to other pre-configured reports.
- Define and automate alerts based on your criteria – such as success, warnings, errors, etc.
- Identify potential risks in your backup environment and take corrective action BEFORE you experience data loss.
- Detailed environment analysis helps you determine WHY something went wrong, not just WHAT happened.
- Use job analysis information to project future backup capacity needs.
- Reduce backup windows through analysis and application of detailed performance data.
- Learn how you can manage multiple backup environments, even in different locations, with one interface.
- Optimize your backup environment performance and operations, potentially saving time and money.



Business Drivers for Enterprise Backup Assessment:

- Increased system availability requirements dramatically reduce available backup windows.
- IT Groups are constantly challenged to “Do more with less”, while data volumes, and their backup needs continue to grow.
- Regulations such as HIPAA and Sarbanes-Oxley require due diligence around data protection.
- Backup and archiving requirements must be aligned to business and application requirements.

Manage and report on your backup components:

