



MessageSolution Clip Book

(March 2008 – August 2008)

Accounting Today
August 4, 2008

ACCOUNTING TODAY

Practice Resources

New Products

1231 words

4 August 2008

[Accounting Today](#)

24

Vol. 22, No. 14

English

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New York -- Software & Equipment

WHERE CREDIT IS DUE

We here at New Products once wore lab coats to work every day for a year, under the assumption that that would qualify any work we did for the research and development tax credit. (We were mistaken.) If you and your clients want to approach the R&D credit in a more scientific manner, try Research Credit Group's CrediTrak, which calculates, analyzes, documents and supports R&D credit claims. The Web-based software lets you gather all the relevant information in one place, and allows you to approach the IRS with confidence. Take it from us that this is invaluable: After our year in lab coats, we then spent a year in orange jumpsuits.

www.rcginc.com

INTUIT TO THE RESCUE

In one of the more interesting responses to the staffing crisis, software vendor Intuit has created the Intuit Work Exchange. Currently in an introductory version, the online resource allows accountants to post jobs and positions that need filling and excess work that needs doing — or their own qualifications for the same — so firms can more easily and efficiently hire contractors.

Separately, the vendor announced its new Intuit Document Management for QuickBooks Accounting, a full-featured DM system for accountants and clients using the popular accounting software.

www.workexchange.intuit.com

STOP LAUGHING!

The old saying, “If you want to make God laugh, tell him your plans,” didn’t count on business planning and scenario analysis software like Whitebirch Planning. Available in Web-based and on-premise editions, it lets users import historical accounting information, build dynamic budgets, and create unlimited alternative scenarios based on the same set of data, with changes to the underlying assumptions updated to all the scenarios you’ve created. And so God will be less likely to laugh than to say, “Hmm. I see you’ve really thought this through”

www.whitebirchsoftware.com

TECH ADVICE

Few things are more aggravating than a client who refuses your advice, and then follows exactly the same advice from another person. Your best bet is to make sure that the other advice-giver isn’t an idiot. To that end, consider Technology Group International’s Software Selection Tool Kit, a set of templates and worksheets that help manufacturing and distribution companies choose enterprise-level software. The recently upgraded tool kit guides companies through evaluation, budgeting, calculating the potential return on a software project, and much more. It’s free for companies, can also be used by qualified independent consultants, and is far better than leaving your advice-deaf clients to consult their golf buddies, bartenders and pets.

www.tgilt.com

NEW AND IMPROVED!

Financial-close automation vendor BlackLine Systems announced the release of an adapter to allow users of Oracle’s Hyperion Financial Data Quality Management to move data into BlackLine’s balance sheet account reconciliation module. ... CCH has added Knowledge-Based Audits of Not-for-Profit Entities to its Knowledge Tools library for its ProSystem fx Engagement product and its Accounting Research Manager platform. ... Kodak and Marex Group have integrated the Kodak Scan Station 120EX with Marex’s FileBound software to scan documents directly to document management systems and automatically start workflow processes and notifications. ... **MessageSolution Inc.** has released Version 5.6 of its Enterprise Email Archive with new tools for drill-down analysis, reporting and litigation support.

Books

CATCH US IF YOU CAN

Every time we receive a book on fraud prevention and detection, we chuckle evilly, drywash our hands, and further refine our nefarious schemes. Sure, books like *Fraud Risk Assessment: Building a Fraud Audit Program* offer both internal and external auditors a comprehensive program for determining the level and possible sources of fraud in an organization, and developing audits to detect it — but they also show us how to avoid leaving a trail that auditors can detect. It's an arms race, and we're in the lead. Mwa-ha-ha-ha!

John Wiley & Sons; \$65

'GOAL SETTING'

We have been developing our foolproof scheme for large-scale fraud for years now, and yet we're no closer to thumbing our noses at the FBI from the shelter of our own private island in the South Pacific. It's not that we're not fully dedicated to crime — we are — it's a question of not following through. *Goal Setting* promises to help us get off our duffs by showing us how to understand our goals, establish priorities, create a precise action plan and overcome the obstacles in the way. It's filled with worksheets, quizzes and other practical tools that should help us achieve our dreams of fraud. Now all we need to do is steal a copy.

Amacom Books; \$12

NO CHEAT SHEETS

One crime even we blanch at is cheating on the CPA Exam. So we would never suggest that you try to slip a copy of *Mastering Accounting Research for the CPA Exam* into the test, or have critical passages from it tattooed on various parts of your body. Instead, try reading it, as the ability to do research is a big part of three of the four parts of the new computerized exam. The second edition updates all Web references, discusses changes to accounting standards, and includes practice review problems for each chapter, as well as quick study lists for each of the three exam sections with research components — all in plain English. So study hard, and leave the cheating to us.

John Wiley & Sons; \$40

THE ESSENTIALS

A recent addition to Wiley's "Essentials" series, *Essentials of Corporate Fraud*, will help the novice embezzler get started, and introduce the more law-abiding to this fascinating topic with discussions of who commits fraud, red flags to watch out for, best practices in fraud management, and detection, investigation and prevention.

Another recent book in this handy series, *Essentials of Banking*, gives those in banking, and those who have to deal with them, an education in the subject from the ground up (though we're sad to say there's nothing in there about bypassing alarm systems or disabling dye packs).

John Wiley & Sons; \$40 each

A DIFFERENT TAKE

We always enjoy a good diatribe, and *Spend 'Til the End* has plenty, savaging a wide range of financial planning commonplaces, as well as the PFP industry as a whole. In place of the current conventional thinking, it proposes an economist's view of planning, with the notion of "consumption smoothing," or maintaining a steady standard of living throughout one's life, as its main pillar. Whether right or wrong — given economists' track record, we're not as inclined as the authors are to assume that the dismal science's view is necessarily worth following — the book is worth a look for its different and intriguing take on many of the planning issues your clients face.

Simon & Schuster; \$26

ALSO AVAILABLE

If you have clients who aren't thrilled by the economic prospects of the U.S., *Top 10 Investments for the Next 10 Years* (Wiley, \$29.95) may be the solution, as it claims to have found plenty of great investment opportunities outside the country.

Send your product news to [daniel.hood<at>sourcemedia.com](mailto:daniel.hood@sourcemedia.com).

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Meeting the Growing Demands of Messaging in Highly Regulated Industries

WEDNESDAY, 27 AUGUST 2008 12:27 ASHLEY COOVER, MESSAGESOLUTION, INC.

It's no secret that technology has created an "instant correspondence" business culture, and this culture is in the direct path of the rapidly growing compliance- and e-Discovery-driven movements within business organizations. This is especially true within the regulation-heavy industries of banking, healthcare, pharma, and government. Highly regulated business sectors transfer thousands of highly confidential messages and data to their servers every minute, and although real time communication allows for better and faster business decisions--as system integrators and VARs servicing these markets know--there are *always* compliance concerns and regulations to be considered.

Legislation Affecting Instant Communication Trends

In recent years, several regulations (FRCP, HIPAA, the Sarbanes-Oxley Act, and Securities and Exchange Commission Rule 17a-4), were enacted to strengthen ethical business practices and corporate governance. These regulations require archiving of all communications in legal, healthcare, finance and other regulated businesses. In addition, recent changes to the Federal Rules of Civil Procedure made it clear that any information stored in a visual format can be called upon in court, including emails, attachments and calendar files. These laws require U.S. companies to keep better track of their employees' correspondence and other electronic documents. Failing to preserve or produce electronic communications when requested in legal cases could be viewed as a breach of e-Discovery and compliance efforts.

In the United States alone, the Enterprise Strategy Group's research shows that there are more than 10,000 laws and regulations drafted by the US federal and state legislators that address "records," the information that takes the form of email. The regulated industries include financial, health care, insurance, banking, energy, pharmaceutical, etc. Worldwide, the requirements for records retention are regulated in every country, and just to name a few, there's the Universal Market Integrity Rules for Canadian Marketplaces in Canada; the Data Protection and Freedom of Information Act in the United Kingdom; and Conseil des Marchés Financiers' Decision 99-05 in France.

Addressing the Major Business Needs behind Email Archiving

There are also specific business functions associated with email archiving, such as regulatory compliance, [e-Discovery](#), storage management, [backup and disaster recovery](#). Needless to say, the influence of email archiving software products has had an appreciable impact within the most highly regulated industries, where a typical court request, for example, may only allow three hours for the swift perusal of data/emails in response to a litigation situation.

Information retrieval needs to be immediate, secure and capable of navigating the enterprise networks for multi-national organizations. As a result, compliance-driven organizations must implement secure message storage solutions that facilitate real-time capture of extremely large volumes of email (with attachments). Highly-regulated companies with the most accurate and secure enterprise email archiving solutions are specifically addressing a number of factors for maintaining top-tier systems that meet compliance and e-discovery requirements. These factors include the following:

- **Data Compression:** According to *GreenDataStorage.com*, data compression's ultimate goal is "to reduce the size of data to create a corresponding reduction in network bandwidth or storage capacity." Fortunately, many archiving products include compression as one of their storage reduction features. Data compression can be used for all tiers of storage. When combined with de-duplication technology, some archiving products can reduce data storage sizes to a quarter of their original size – not a bad digital footprint in light of "green" trends for reducing an organization's carbon footprint.

In addition, the use of 'stubbing' can save a tremendous amount of space on an enterprise's email servers. Many confuse stubbing with archiving, which involves storing a copy of a message or attachment on an archiving server. During the stubbing process, the bulk of a message or attachment is moved off the email server to the archive server. A link to the message or attachment content will appear in the users' inboxes, allowing users to click on the link and almost immediately access the message or attachment. This helps companies meet Sarbanes-Oxley's requirement of easy accessibility to information while keeping data secure.

- **Real-Time Archiving:** From a compliance point of view, industries affected by federal regulations (such as Sarbanes-Oxley) require companies to preserve electronic business records in a secure but easily accessible

manner. Real-time, or journal, archiving ensures that companies capture every piece of information before employees can delete it. Archived information is secure behind corporate firewalls from outside parties, while intensive access control features restrict employees' ability to view and manipulate archived data. Retrieving data from an archive should be a matter of defining search terms and hitting the 'search' button, then waiting a few seconds.

- **Duplication Concerns:** Single instance storage technology locates multiple instances of the same file and stores only one copy, thereby de-duplicating archive reserves. Imagine how many times one email is sent to multiple employees or how many times the same attachment is forwarded. Without de-duplication, every copy of an email or attachment sent to multiple employees or sent multiple times (or both) would be stored to the archive, which wastes space in the archive and wastes time during e-discovery searches.

System integrators and VARs responsible for reviewing archiving products should ask if the product supports single instance storage of attachments as well as emails. Why is this a critical point? Most businesses follow the "80/20 rule": 80 percent of storage space is used by large attachments, which comprise only 20 percent of total electronic communications. Most archiving products de-duplicate emails, but fewer also de-duplicate attachments. Neglecting attachments during the de-dupe process significantly reduces total storage volume reduction.

- **Storage Management:** Tiered storage or hierarchical storage management is the process of placing less frequently used data on less performance-intensive storage devices, resulting in a 'tiered' or 'hierarchical' storage scheme. Hierarchical storage management reduces overall energy usage by storing data more efficiently. Another added benefit of tiered storage is cost reduction, as less time and energy is spent managing less frequently used data.
- **Cross-Server Searches:** Because compliance officers need the ability to search through millions of messages across the entire archive within seconds, a company's enterprise archiving software solution must apply

to multiple email server needs within an organization. Even though there are many, many IT departments managing a mixture of email servers within a single company, many integration efforts aimed at compliance and e-Discovery stumble at this point. Cross-server searches have consistently been a hang-up in the e-Discovery process and this boils down to incompatible software products for archiving. Time and money are often lost in the effort to 'patch' together software solutions to allow multiple email server searches. In recent years, however, next-generation archiving products have broken new ground in the realms of cross-server support and native integration, allowing IT teams to adopt a convenient "server neutral" approach to message management.

- **E-Discovery:** A quality e-Discovery set-up should enable a legal counsel to perform e-discovery searches without IT supervision, in a manner that is graphically intuitive. Traditional electronic discovery is expensive and time-consuming, especially when the requested information is not stored centrally. In fact, traditional discovery methods often fall far short of court deadlines, resulting in anything from embarrassment to fines for organizations unable to produce in a timely manner.

In 2006, the United States Supreme Court updated the Federal Rules for Civil Procedure (FRCP) regarding discovery, effective December 1, 2007, thus forcing many organizations to reconsider their electronic information management policies (and storage management solutions). VARs and integrators stand to benefit from this trend by providing services and solutions helping companies to make better product decisions for their [electronic discovery](#) and compliance-ready enterprises (i.e. servers, storage devices, and email archiving software).

In managing high message volumes, regulated organizations rely more heavily on their email archiving solutions for setting policies, archiving into specific categories (such as finance and HR), and creating specific tiers of information, whether it is universal, by group, individual, or department--and of course, the ability to set litigation hold.

When complete audits have to be performed quickly, data must be unalterable. The regulated enterprise is accountable for every action, it is important to have the ability to establish subordinate access logs--so a supervisor can view a subordinate's messages (a process also aimed at upholding employee accountability). Other features important to organizations tasked with electronic discovery requirements include: 1) a Web console providing granular access controls for administrators, auditors, company officers and legal counsel, 2) notation features for adding case numbers and notes, 3) archive logs with search histories (with search terms noted too), and 4) read-only formats for administrators, executives and legal counsel.

Notation features should allow employees to share relevant information about archived items without impacting the archived data in any way. Legal professionals, internal auditors, and even end-users need to be able to speed along discussions of archived data for litigation events, internal audits, or business-critical projects. Because of this, advanced search options are also extremely valuable to in-house legal counsel, who can search messages and attachments by full text key words or key phrases as well as a variety of metadata. Counsel should also be able to utilize Boolean logic, proximity searches, and fuzzy searches while combing the archive, and the search results can be saved in a couple of modes--archive search baskets, downloaded, or emailed as attachments. Last but not least is the integration requirement for common legal technology products, including out-of-the-box integration with any legal review tool that can accept PST, EML, NSF, and HTML formats.

Every highly-regulated organization is looking for a storage solution that fits their particular IT environment. The individuality in the enterprise's environment can come from their choice of email server, OS, existing storage devices, or internal-record-keeping controls. Businesses want solutions that will support any changes made down the road. Whether it is a government entity, bank, public school, hospital, pharmaceutical company, or publicly-traded company, every compliance-focused business seeks storage solutions that allow the organization to keep all their business-critical records and communications without sacrificing server performance. This is where archiving steps in to remove the burden of managing mass storage off of email and file servers.

Ashley Coover attended the School of Journalism at the University of Florida. She began her writing career as a newspaper reporter, later working as an editor. She currently writes for [MessageSolution, Inc.](#), a thought leader in the fields of digital archiving, compliance and legal technology.



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Enterprise Storage Solutions

Robust solutions protect from data loss and legal pitfalls.

By Kim Crowley

Enterprise corporations are vulnerable to failure if crucial documents, software, and other business elements are not protected. These large corporations are also under the watchful eye of the government, facing restrictions and mandates on how, what, and for how long they store documents.

A reliable, seamless storage and archive solution is essential to protecting enterprise groups. Backups include the use of RAID, tape, DVD, external hard drives, software as a service (SaaS), and Internet vaults. When storage needs are at the enterprise level, many vendors offer complete solutions that can take organizations from simple, transparent backups to powerful archive and enterprise content management (ECM) components.

Hefty Storage Needs

"Enterprise customers' storage capacity range from as few as five Terabytes (TB) of data to hundreds of Terabytes. The size varies by the level of consolidation, the size of the company, the geography in which the customer is located, and the type of industry from which the customer comes," notes James Wilson, product manager, Hewlett-Packard, HP StorageWorks.

In some scenarios, storage tips the scales even more. "There are also enterprises, such as Web 2.0 and digital media companies that will need storage solutions capable of massively scaling to handle multiple petabytes of data," adds Wilson.

A typical IBM DS8000 storage system purchase in 2007 included over 400 TB of disk capacity, and many of these customers were repeat customers. "They also have enormous amounts of data archived on tape," states Allen Marin, IBM System Storage Enterprise Disk Marketing.

Marin notes that in a recent study, The InfoPro, Inc. organization surveyed hundreds of Fortune 1000 users and reported that the average storage footprint jumped from 1078 TB in spring of 2007 to 1687 TB in the fall of 2007.

Enterprise Needs

Marin highlights a number of challenges that storage customers are looking to tackle. He points out an explosion in data and information volume and a need to effectively manage the unrelenting growth. Security of corporate and customer information is also a concern, in addition to the growing list of compliance requirements, environmental compliance, and governance mandates. Marin also notes customer desire to address rising costs of systems and networking operations, as well as rising energy costs.

Total cost of ownership (TCO) over a product's lifetime, scalability, and simplicity are key to solving what Bob Fine, product marketing manager, Compellent Technologies, Inc., sees as a, "perfect storm of data storage needs." He explains that enterprises have enormous amounts of data stored for compliance and business continuity. "At the same time, many companies are looking for ways to cut costs, and to create a 'green' IT strategy for their data centers," notes Fine. "In short, a typical organization is concerned with a number of factors, all pointing to the need to make data storage more efficient and cost-effective."

Keith Parker, senior manager, marketing, Promise Technology, adds more of what buyers want in a storage solution. "First they need reliability. They need to know that the storage they use will keep their data continuously available. Our single, mature, and stable code base repeatedly proves the ability to do this. Promise also offers this through complete hardware redundancy from our RAID storage to redundant, hot-swappable controllers, power supplies, and fans," says Parker.

A storage solution has to perform in all departments of the enterprise organization—from HR, to marketing, to sales. "The technology needs to possess the ability to seamlessly integrate with existing legacy software and link in to company Web sites," adds Terry Wieczorek, president and CEO, DocuLynx, Inc. "Marketing users want white labeling and the ability to maintain corporate standards within each document."

Other features to look for, notes Jeff Drescher, VP of marketing, BakBone Software, include, scalability, robust command line capabilities, compatibility with hardware, network attached storage (NAS) support, D2D2T capabilities, and heterogeneous support.

Transparent and Secure

A key factor to consider when investing in a storage solution is how it will affect day to day business. Storage needs to be secure and available in crisis situations. It also needs to have a streamlined workflow that creates nearly transparent backups and other processes.

"Enterprise customers want a storage solution that is easy to manage and deploy and requires minimal time spent on backup administration," says Drescher. "Also, they want a solution to fit their specific IT environment that works quietly in the background and doesn't disrupt daily operations."

Storage needs and business process workflow fluctuates over time. Flexibility in a storage solution and a well-rounded provider can help ease transitions. "Most customers today are focused on flexibility and ease of use in terms of layout and workflow. Their workflow can and

will change over the life of their systems. They are often looking for a vendor with varied expertise and a whole solution orientation, instead of just a storage-only portfolio of hardware, software, and service practices," explains Wilson.

Tracking and auditing features ensure that security is maintained and can enhance workflow. "Our customers want an audit report that has pertinent information related to the who, what, where, and when someone has requested access of customer information," says Wieczorek. "They also want to know if access was permitted or denied, duration of time, and the type of document viewed. Additional tracking information may be available with workflow products which can be simple or extremely complex, therefore we have found that having the ability to implement third-party workflow software is important."

Instant Gratification

Enterprise groups have this expanding list of storage needs, and they want to select, install, and manage them cost-effectively, efficiently, and quickly. "Customers are looking for solutions that meet their business requirements and are easy to purchase, implement, and manage," explains Laura Buckley, VP of product development/COO, STORServer, Inc.

"Organizations are looking for a fast, efficient, easy to use technology that can be implemented in a timely manner—hours not months—using the resources they currently have," adds Wieczorek.

Vendor Highlights

Organizations will find a growing number of enterprise storage solution providers. BakBone, BluArc, Brocade, Cisco, Compellent, DocuLynx, EMC, HP, Hitachi, IBM, LSI Corporation, MessageSolution, Inc., Microsoft, Promise, STORServer, and Xiotech are just a few vendors we asked to share information about their companies and standout features of their offerings.

BakBone

BakBone Software develops data backup, restore, disaster recovery, replication, and storage for network storage and open-systems environments. BakBone products offer a single point of control for managing resources across all platforms, providing improved operational efficiency, reducing downtime, improved availability, and enhancing security. BakBone's portfolio includes NetVault: Backup, NetVault: Replicator, NetVault: Report Manager. These scalable data protection solutions address the demands of Global 5000 organizations and are distributed through a worldwide network of select OEM partners, strategic partners, resellers, and solution providers.

When combined with NetVault: Backup, Application Plugin Modules (APMs) ensure continuous availability of business-critical applications. When a restore is necessary, APMs provide flexible granular control that allows users to determine the extent of their restore, whether it be for complete databases and farms, or individual tablespaces, datafiles, storage groups, Web applications, or site collections.

Compellent

Compellent network storage solutions are highly scalable. Compellent's Storage Center is a Storage Area Network (SAN) designed to significantly lower storage and infrastructure capital expenditures, reduce the skill level and number of personnel required to manage information, and enable continuous data availability and storage virtualization.

Compellent states that Storage Center's hardware platform features unprecedented flexibility and unlimited growth. The software applications increase utilization, automate tiered storage within every drive, optimize data placement, simplify replication, and speed data and disaster recovery. Storage Center's core technology provides essential storage features that were traditionally offered as add-on modules by storage vendors, including virtualization, sophisticated cache, Thin Import, Application Optimizer, support for heterogeneous operating systems, and boot from SAN. The entire solution is managed with a single interface.

DocuLynx, Inc.

DocuLynx is the developer of Mercury Software, a high-volume, secure, and scalable archival solution that helps companies meet their own internal and government-mandated compliance requirements. DocuLynx offers its Mercury Software solution as traditional software and/or SaaS.

Mercury has multiple levels of secure access which encrypt data on CD/DVD and over the Web. Mercury supports all Windows-compatible storage devices in an ODBC compatible storage format, which does not require any third-party database licenses. Wieczorek points out some of DocuLynx Mercury's features, including true fidelity of the printed document; support for multiple simultaneous users via Intranet or the Internet; full text and field level indexing; multiple user security levels; and a secure, state-of-the-art data processing center for Mercury SaaS.

Hewlett-Packard

Part of HP's Technology Solutions Group, the HP StorageWorks Division (SWD) offers data storage products, services, and solutions that ensure data is always secure and available to maintain business continuity. HP offers disk storage systems and arrays, tape storage and media, archiving and data migration products, storage software and network attached storage (NAS) solutions.

HP's storage solutions include external storage tiering to reduce the cost of storage capacity, heterogeneous storage virtualization to simplify management, resource partitioning for more service oriented infrastructure, highly scalable file systems for improved performance, deduplication of data for improved backup utilization, and enterprise wide security and encryption.

The HP StorageWorks XP24000/XP20000 Disk Arrays (XP) are storage systems designed for organizations that cannot afford any downtime or data loss. HP XP arrays provide a bulletproof platform with complete hardware redundancies, hot-swappable components and non-disruptive online upgrades.

HP StorageWorks 4100/6100/8100 Enterprise Virtual Arrays offer customers in the mid-range to enterprise marketplace leading high performance, capacity and availability "virtual" array storage solutions. For visualizing the big SAN picture and reducing SAN complexity, HP Storage Essentials Standard Edition SRM software simplifies managing EVA with SAN infrastructure and is highly recommended.

The HP StorageWorks Scalable NAS is a highly available, scalable network-attached storage combining NAS or SAN hardware, HP PolyServe software, and a Windows or Linux operating system.

IBM

IBM offers a complete portfolio of hardware, software, and services to address the information infrastructure need of global enterprise-class customers. These include disk and tape storage systems, storage networking solutions, availability management solutions, business continuity solutions, compliance, data retention and information security solutions, block-level and file-level storage virtualization, data protection solutions, storage infrastructure management, and a full line of professional services. IBM's System Storage TS1120 Tape Drive has a first-of-its-kind native tape encryption technology.

MessageSolution, Inc.

MessageSolution, Inc. is an independent software vendor founded to develop, manufacture, and market archiving technology. "After 9/11, our company's engineering team did extensive research on the importance of disaster recovery and archiving for electronic records to today's businesses," notes Josh Liang, director of product marketing, MessageSolution, Inc. "That's when we started developing archiving solutions."

MessageSolution's two product families are Enterprise Email Archive (EEA) and Enterprise File Archive, both on-site live archiving software solutions. EEA transplants email client integration, offline archive access, and mobile archive access from Blackberry devices. It supports Exchange, Domino, GroupWise, and more than seven major Linux/UNIX-based email servers. Enterprise File Archive is MessageSolution's newest archiving solution, supporting more than 400 file formats.

Microsoft

Microsoft provides a variety of storage management tools integrated into various storage solutions to help administrators provide manageable, reliable, and cost-effective solutions including Windows Storage Server 2003 R2 and Windows Unified Data Storage Server 2003.

Windows Storage Server 2003 R2 is a dedicated file and print server based on Windows Server 2003 that integrates with existing infrastructures and supports heterogeneous file serving as well as backup and replication of stored data. Windows Storage Server is also an ideal solution for consolidating multiple file servers into a single solution that enables cost reduction and policy-based management of storage resources.

Windows Unified Data Storage Server 2003 (WUDSS) continues the evolution of the Microsoft Windows Storage Server 2003 product line and includes new features such as the Microsoft iSCSI Software Target technology, a revised storage server setup experience, integrated share and storage management snap-ins, among many other new and enhanced features.

Promise Technology

Promise Technology develops RAID and storage technology. Promise offers a significant product portfolio for enterprise customers, including Fibre Channel VTrak RAID storage subsystems and JBODs as well as a complete end-to-end SAS solutions.

Several standout features include WebPAM PRO, a unified management interface, which allows complete management of all Promise storage from any client on the network.

Promise also features a single RAID code. Where some vendors will have multiple RAID codes on multiple platforms, Promise has a single, mature code base that has been deployed thousands of times in every conceivable environment. Parker notes that this provides the confidence of knowing that the products are going to work seamlessly, every time.

STORServer

STORServer, Inc. was founded in 2000 to provide simple, adaptable, and scalable solutions for data protection. STORServer's hardware products include Backup and Storage Appliances. Software products include Appliance Software, Client Software, and Agent Software.

Buckley says the STORServer SAN Appliance offers every feature imaginable in a single integrated solution. A scalable hardware platform features unprecedented flexibility and unlimited growth. Powerful software applications radically reduce the cost of storage acquisition and are managed with a single interface that speeds both common and complex storage tasks.

Upcoming Trends

"Storage management will 'go green,'" predicts Liang. "Enterprises will embrace storage solutions with storage reduction and hierarchical storage management features, which better utilize existing resources and reduce data footprints. Even enterprises unconcerned with reducing their data footprints will embrace these 'green' storage solutions because they lower overall costs by decreasing power usage and cooling requirements."

Many vendors expect storage needs to escalate as more compliance and security issues surface.

"We see a continuing appetite for more and more storage. The end user demand for capacity is continuing to grow," says Parker. He adds, "The move to serial drive interfaces will soon be complete as parallel SCSI is replaced by SAS."

HP also predicts a growth in storage capacity, as well as heightened customer expectations. "We expect customers' capacity needs will evolve with continued constraints on power infrastructures, specialized administrative resources, and the costs of managed capacities," says Wilson. "We expect customers to want the best in professional services and technical support. The success of their business often depends on how well their IT vendor can help them meet their business needs," he adds.

Drescher points out archiving as a current and future trend. "Many enterprise customers are looking to implement archiving solutions, including virtualization capabilities, green IT, and the ability to host multiple operating systems in one environment."

Wieczorek says DocuLynx sees a direct tie between storage needs, marketing, and the print space. "We are being asked to create ties into TransPromo campaigns at the customer service level, allowing customer service representatives the ability to upsell products and services based on the client's current usage." Wieczorek says there will be, "the ability to export small print runs in PDF, or XML for reruns, in lieu of loading an entire history in a native format and printing."

Storage Success

An effective, secure, unobtrusive storage solution is essential to an enterprise organization. We spoke with two users that recently implemented a storage solution. Use these stories as a hint into what your group can achieve with enterprise-class storage.

National Print Group Ramps up for a New Client

National Print Group (NPG) is a provider of in-store and outdoor signage with three manufacturing sites between TN and Las Vegas, NV, approximately 15 nationwide sales offices, and an annual revenue of about \$80 million.

When a large retail corporation solicited a bid for a large job requiring two TB of space, NPG knew they needed to invest in a more robust storage solution to compete. "The SAN we had in place was too small, with only one TB of usable space," notes Mike Miller, CIO, NPG. The previous system was reliable, but NPG needed to add on to their storage to get to the level one customer was looking for.

NPG looked at offerings from Compellent, EMC, LSI Corporation, and Xitech Corporation. Compellent Storage Center is the solution they selected. In particular, it met the printer's needs for something scalable.

With the purchase of the SAN solution, they built a new server room—more as a showcase than necessity. The 24x14-foot room houses three racks. The Compellent occupies about half a rack.

NPG has about 30 TB of storage capacity now, and the company plans to add more. "It's hard to quantify ROI, but there are a lot of indirect benefits to this type of IT solution," says Miller. Some infrastructure savings are of note. The ease of implementation and simplicity make the solution easy for current staff to use and have allowed NPG to delay hiring a storage manager—a potential annual savings of \$70,000 to \$80,000.

Miller also says that print on demand is starting to take off at NPG and more customers are beginning to ask for IT storage solutions. "It's a pretty big differentiator between us and our competition," states Miller. "It gives us a base infrastructure that we are able to build on ... an IT solution not typical of your normal printer."

Money Mailer Retrieves Crucial Files

Perhaps you receive one of the 189 million envelopes mailed from direct marketing company Money Mailer each year. Money Mailer has nearly 300 franchises nationwide and reaches new movers, shoppers, and loyal customers with coupons and other marketing messages from advertisers.

Lower price, company responsiveness, and ease of use are a few features that led Money Mailer to select BakBone Software's flagship NetVault storage solution over some of the industry's enterprise market leaders. The majority of what Money Mailer backs up or preserves with NetVault is art files from customers.

Four engineers work directly with the BakBone solution. Frank Migliaccio, director of network operations, Money Mailer, says the solution is intuitive enough that it can be self-taught. He notes that the product is simple to use, highlighting a friendly interface and no fundamental

data preservation knowledge is needed for operation. BakBone's support staff is, "personable and easy to communicate with," Migliaccio says.

Money Mailer recently relocated and allotted for storage room additions. "We put a glass-fronted data center to impress all the walkers-by." Money Mailer also has an offsite data center in Irvine, CA, and plans for one in Mesa, AZ. Storage capacity is well over 150 TB now.

A five-year employee of Money Mailer, Migliaccio notes, "One of the things that I've been most proud of is a very robust, very stable exchange environment that I set up in 2004. For four years and one month, not one unplanned outage, and March 19th began a succession of catastrophic failures in that environment."

Migliaccio explains that Money Mailer was able to quickly restore our exchange data from BakBone to Exchange 2003 Recovery. It's hard for Migliaccio to imagine what would have happened if Money Mailer did not have BakBone's NetVault storage to restore from. "Our franchisees are working with upwards of 40,000 advertisers around the country. Each one of those franchise owners uses email as a sales tool. They receive approvals on artwork, comments on payments, and so forth via email. And when those systems are down, their life becomes very difficult."

"It was a massive disruption that could have ground Money Mailer to a halt had it not been for the ease at which BakBone was able to recover the data for us," Migliaccio predicts.

In Conclusion

The above stories tell the tale of organization and a strong foundation for great business practices. We all know the importance of our company's assets; enterprise storage solutions keep these assets intact and ready for access. Accordance with regulatory compliance and ensuring security for a company, its employees, and its documents are all met with the right storage solution.

May2008, *Digital Publishing Solutions*

Ferris.com home page, June 7 2008



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<http://www.ferris.com/2008/06/05/messagesolution-email-and-file-archiving/>

MessageSolution Email and File Archiving

Comment on this (0 comments) Jun 5, 2008



David Ferris

We were recently briefed by [MessageSolution](#), a new-ish archiving vendor. In summary:

- Email (Exchange, Notes/Domino, GroupWise) and file archiving.
- Packaged software; runs under Windows, Linux, Solaris.
- Started in Linux market.
- Product on market since 2004.
- 90 staff, of which 90% are in development in China or Taiwan.
- \$4 million-\$5 million revenues; profitable.

MessageSolution thinks its competitive strengths are:

- Easier to install and administer.
- Lower TCO.
- Good integrated backup.
- Software architecture is modern.
- Built-in database.

We look forward to learning more about MessageSolution in the coming months.

... [David Ferris](#)

Healthcare Finance News

June 23, 2008

Link: <http://www.healthcarefinancenews.com/story.cms?id=8224>

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Vendor Notebook - Emdeon processes billionth PDS pharmacy claim

Healthcare Finance News

By [Eric Wicklund, Managing Editor](#) | 06/23/08

(Continued from [Page 2](#))

Alpha II, a Tallahassee, Fla. -based provider of healthcare coding, compliance and reimbursement solutions, has announced a contract with **NCEB – Practice Management Solutions**, a billing services and practice management solutions firm based in Sheffield Village, Ohio, to allow NCEB to use Alpha II's ClaimStaker software to verify client claims and edit them prior to submission.

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mPhasis Healthcare Solutions (Eldorado Computing, Inc.), a Phoenix, Ariz. -based provider of health benefit management and business process outsourcing services, has launched Javelina, a next-generation, browser-based healthcare claims and benefits platform designed to address the performance needs of health plans, third party administrators, insurance carriers and self-insured organizations.

Cincom Systems has announced that the American Community Mutual Insurance Company, a provider of individual and group health insurance, has chosen Cincom Eloquence to streamline its document automation and production processes and speed time to market for new offerings.

MedeFile International, Inc. , a Cedar Knolls, N.J. -based provider of portable electronic medical records management solutions, has launched a nationally televised advertising campaign, consisting of 300 30-second commercials to air on several major networks, to “generate broad consumer awareness of” the company’s products. In addition, the company is teaming with the Newark (N.J.) Fraternal Order of Police, Lodge 12, to supply every member with MedeFile Basic memberships, allowing them mobile access to their personal medical records.

OB 10, an Atlanta-based provider of B2B e-invoicing solutions, has announced that Memorial Hermann Healthcare of Houston has agreed to use OB 10’s products to automate its accounts payable and supply chain processes.

McKesson has released Horizon Enterprise Revenue Management, designed to

combine rules-based software, connectivity services and best practices for hospitals and health systems, physicians, payers and financial institutions into an open solution.

Medical Present Value, Inc. (MPV) of Austin, Texas, has added three more multi-specialty groups to its list of clients. Signing contracts for MPV's Phynance are MidMichigan Physicians Group of Midland, Mich. , Minor & James Medical, PLLC of Seattle and the Beloit Clinic of Beloit, Wis.

MessageSolution, Inc. of Silicon Valley, Calif. has announced the release of Enterprise Email Archive 5.6, delivering more powerful archive intelligence tools for internal auditors and executives, including drill-down analysis and comprehensive reports.

The TriZetto Group, Inc. of Newport Beach, Calif. has announced that the Universal American Corporation health plan is implementing the company's CareAdvance Medicare software module.

Do you have a press release for the Vendor's Notebook? Send it to me at eric.wicklund@medtechpublishing.com

Law Technology News July 2008 issue

Link: http://www.lawtechnews.com/r5/cob_page.asp?initial_file=cob_page-technews.asp&category_id=27886&switch_issue_id=19874.



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[Litigation Support News from July 2008 Issue](#)

Adobe Acrobat 9

Adobe Systems Inc.'s Acrobat 9 helps users create and share electronic documents. The upgrade adds support for Adobe Flash technology, so that users can include Adobe Flash Player compatible video and application files in PDF documents.

Its PDF Portfolios feature helps users assemble multiple

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media types, such as documents, video, audio, and 3D objects, into a single compressed PDF file. Users can choose among several professional layouts, or create their own, to integrate content, define navigation, and add polish and branding.

Recipients can use the free Adobe Reader 9 software to view the content. Acrobat 9 also helps users communicate and collaborate with colleagues within a PDF document in real-time, through working with Acrobat.com, a new suite of hosted services in public beta.

The software is compatible with Microsoft Corp.'s Windows and Apple Inc.'s Mac OS X.

Adobe Systems Inc. (www.adobe.com) is based in California.

[Website](#)

[Request Info](#)

Discovery Attender

Sherpa Software has released Discovery Attender for Notes 6.4c. Its new desktop installation feature allows users to read .nsf files without installing IBM Corp.'s Lotus Notes.

The software provides EDD functions for .nsf files, including content retrieval, culling and annotation. Users can also create and execute custom searches directly from their desktops.

Sherpa Software (www.sherpasoftware.com) is based in Pennsylvania. @<http://tinyurl.com/58enu4>.

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Email Archive 5.6

MessageSolution Inc.'s Enterprise Email Archive 5.6 upgrade features improved business intelligence reporting and expanded litigation support.

Users can apply classifications and retention policies to case-relevant e-mail for litigation hold, it says.

The program helps users conduct e-mail classification, privileged e-mail management, and tagging and notation, helping to streamline the processing of large volumes of data. Users can also create reports from the archive's built-in logs and audit trails.

MessageSolution creates software for e-mail and file archiving for electronic discovery, litigation support, compliance, and storage management.

MessageSolution Inc. is headquartered in California (www.messagesolution.com).

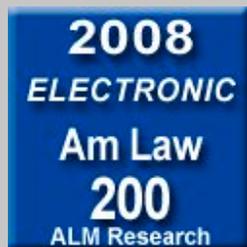
[Website](#)

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FileTek Inc.

FileTek Inc. has introduced its Trusted Edge Desktop Compliance Suite for Microsoft SharePoint. The software integrates with Microsoft Corp.'s Office SharePoint Server 2007 to improve records management and help companies

June 2002, [click here.](#)



comply with recent regulatory developments, including the new amendments to the Federal Rules of Civil Procedure.

Trusted Edge stores and categorizes unstructured data in the SharePoint repository. It also categorizes desktop-generated data from MS Office and other applications, extending SharePoint's control to files stored inside and outside the repository.

FileTek Inc. (www.filetek.com) is based in Maryland.

[Website](#)

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Redact-It

Redact-It Enterprise Server 6.0 software helps users redact privacy information from files. It detects and automatically removes privacy information, such as social security numbers, names, and phone numbers.

Once information is redacted, the software creates a new PDF, .tiff, or secure content sealed format (CSF) file, leaving the source file untouched. No metadata or redacted data is transferred to the rendition.

The software is targeted at law firms and corporate legal departments, and is designed for bulk processing of documents. It integrates with enterprise content management and scan/capture systems.

From Informative Graphics Corp. (www.infograph.com), headquartered in Arizona. @<http://tinyurl.com/65vjpu>.

[Website](#)[Request Info](#)

Sedona Conference

The Tenth Annual Sedona Conference On Antitrust Law And Litigation will be held September 17-18, 2008, in Florence, Italy. It will address the globalization of antitrust enforcement. Topics will include the future of private antitrust enforcement in the EU, criminal antitrust enforcement in Europe, the impact for antitrust enforcement of the U.S. 2008 presidential election, and the antitrust/IP interface. The conference, based in Arizona, is accepting applications at www.thesedonaconference.org. @<http://tinyurl.com/6hdyzt>.

[Website](#)[Request Info](#)

Stenograph

Stenograph has launched a new website at www.stenograph.com, which now features information and resources for industry professionals.

It has an improved layout and menus that are designed to make it easier to navigate the site, says the company.

Stenograph creates court reporting programs, including CaseViewNet, software that provides realtime access to testimony through a court reporter's wifi network.

Stenograph is based in Illinois.

[Website](#)[▶ Request Info](#)

Trial Solutions

Trial Solutions, which provides litigation support services, has expanded its Litigation Support Ecosystem by launching a trial support services practice. The company now offers trial consulting, litigation communications, state-of-the-art courtroom graphics and on-site trial technicians.

The courtroom graphic practice will include courtroom site survey and management, courtroom multimedia services, 3-D animation and technical support.

Trial Solutions (www.trialgraphic.com) is based in Texas.

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www.MessageSolution.com
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MSEExchange.org

<http://www.msexchange.org/news/MSEExchange-Readers-Choice-Award-Email-Archiving-MessageSolution-Enterprise-Jul08.html>



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MessageSolution Enterprise Email Archive - Voted MSEExchange.org Readers' Choice Award Winner - Exchange Archiving

MessageSolution Enterprise Email Archive was selected the winner in the Exchange Archiving Category of the MSEExchange.org Readers' Choice Awards. Symantec Enterprise Vault and Archive Attender were first runner-up and second runner-up.

- Published: **Aug 27, 2008**
- Updated: **Aug 28, 2008**
- Section: **General**
- Author: **The Editor**
- Company: **MSEExchange.org**

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Winner in Exchange Archiving Category of Readers' Choice Awards: MessageSolution Enterprise Email Archive

August 27, 2008 - [MessageSolution Enterprise Email Archive](#) was selected the winner in the Exchange Archiving category of the MExchange.org Readers' Choice Awards. [Symantec Enterprise Vault](#) and [Archive Attender](#) were first runner-up and second runner-up.



| | | |
|-----|--|-----|
| 1st | MessageSolution Enterprise Email Archive | 23% |
| 2nd | Symantec Enterprise Vault | 18% |
| 3rd | Archive Attender | 14% |
| 4th | GFI MailArchiver | 13% |
| 5th | Fortiva Archiving Suite | 12% |
| 6th | exchange@PAM | 5% |
| 7th | Zantaz EAS | 4% |
| 8th | Mimosa Nearpoint | 2% |
| 8th | Exclaimer Mail Archiver | 2% |
| 9th | Quest Archive Manager | 1% |
| 9th | Archive One | 1% |
| 9th | MailArchiva | 1% |
| | Others | 4% |

Our Readers' Choice Awards give visitors to our site the opportunity to vote for the products they view as the very best in their respective category," said Sean Buttigieg, MExchange.org manager. "MExchange.org users are specialists in their field who encounter various solutions for Exchange Server at the workplace. Their vote serves as a solid peer-to-peer recommendation of the winning product."

Regular polls are conducted to discover which product is preferred by Exchange administrators in a particular category of third party solutions for Microsoft Exchange Server. The awards draw a huge response per category and are based entirely on the visitors' votes. MExchange.org users can submit their votes for the current Readers' Award poll in the site's left-hand bar.

If you'd like to know who the past Readers' Choice winners were, please take a look at our [Readers' Choice Awards Yearly Roundup](#).

MSEExchange.org Readers' Choice Awards for 2008

Even more awards will be given out during 2008. Visitors to MSEExchange.org have the opportunity to vote for their preferred Exchange Server products. Below is a list of the Readers' Choice categories, the month that visitors can submit their votes, and the announced winners.

- [Exchange Mobility & Wireless](#) - January 2008 - BlackBerry Enterprise Server
- [Outlook Addon](#) - February 2008 - Outlook Help Desk
- [Exchange Anti Virus](#) - March 2008 - Trend Micro ScanMail
- [Exchange Backup & Recovery](#) - April 2008 - Symantec Backup Exec
- [Exchange OWA Addons](#) - May 2008 - Messageware OWA Suite
- [Exchange Anti-Spam](#) - June 2008 - GFI MailEssentials
- [Exchange Archiving](#) - July 2008
- Exchange Hosting - August 2008
- Exchange Fax Connectors - September 2008
- Exchange Migration - October 2008
- Exchange Administration - November 2008
- Exchange Reporting - December 2008

About MSEExchange.org

MSEExchange.org (<http://www.msexchange.org>) is a Microsoft Exchange Server 2007/2003/2000 resource site. It is the leading Exchange site, attracting over 420,000 Exchange administrators and specialists a month. The site provides the latest Microsoft Exchange Server news, articles and tutorials by leading Exchange experts, message boards, software listings and product reviews.

MSEExchange.org forms part of a group of sites run by TechGenix Ltd, including <http://www.windownetworking.com> - a comprehensive Windows Networking resource site; <http://www.isaserver.org>, a Microsoft ISA Server resource site; <http://www.windowsecurity.com>, a Windows security resource site; and <http://www.msternalservices.org>, a Server Based Computing resource site.

Processor**July 2008**Link: <http://www.processor.com/editorial/article.asp?article=articles%2Fp3027%2F02p27%2F02p27.asp>

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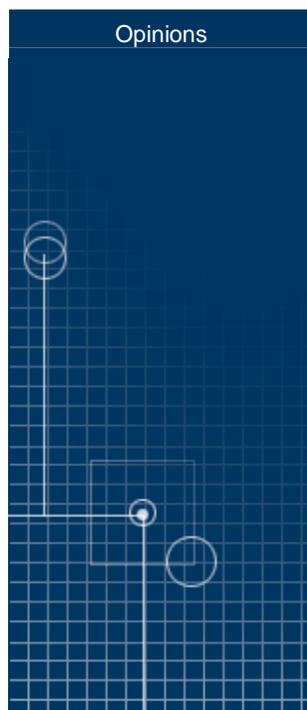
General Information

*July 4, 2008 • Vol.30 Issue 27**Page(s) 17 in print issue*

Product Releases

■ Clients

Honeywell has released the Dolphin 9900 Mobile Computer. The 9900 includes integrated voice and data communication, GPS abilities, and Adaptus Imaging Technology for scanning barcodes and taking photos. Honeywell says the 9900 is also backward-compatible with the Dolphin 9500, so users



migrating to the 9900 can continue using such infrastructure as accessories, batteries, and peripherals for cost savings. The company also says using the 9900 is almost identical to using the 9500; thus, user training and migration efforts are lessened. The 9900 runs on Windows Mobile 6 and uses a 624MHz Intel PXA 270 CPU, 256MB RAM, and 1GB flash memory. Other features include integrated Wi-Fi (802.11b/g), Cisco CCX v4 certification, and GSM/GPRS/WLAN/Bluetooth connectivity.

www.handheld.com/Site.aspx/na/en/news_events/news_listing/

Red Hat announced Red Hat Enterprise MRG V1, which includes Red Hat Enterprise Linux real-time enhancements, as well as a multiplatform messaging system. The real-time component of Red Hat Enterprise MRG includes a number of kernel enhancements to provide deterministic performance for time-critical and latency-sensitive applications. IBM WebSphere Real Time on MRG Realtime extends the business benefits of Java to time-critical applications. Additionally, IBM WebSphere MQ LLM (Low Latency Message) delivers high-volume, time-critical performance on Red Hat Enterprise Linux. The availability of multiple messaging solutions for Red Hat Enterprise Linux systems offers customers flexibility and choice. Additionally, the JBoss Enterprise SOA Platform will be adding support for Red Hat Enterprise MRG as a messaging transport in an upcoming release.

www.redhat.com/about/news/prarchive/2008/mrg.html

Sage Software announced its new business management solution, Sage Pro ERP 7.5. Sage Pro features modifiable source code (200 edition), a scalable architecture, choice of operating systems (Windows or Linux), and integration with other Sage Software applications and services. Other features include an improved dashboard tool, business productivity tools, and enhancements in the manufacturing process.

www.sagesoftware.com/newsroom/news/index.cfm/fuseaction/news.detail/id/1037

Talend has introduced Talend Open Profiler, which is an open-source data profiler that lets companies evaluate and assess the quality of data and choose which actions must be taken to correct "dirty data" that aggravate customers and cost companies time and money. Talend's Open Profiler features metadata discovery, which identifies the structure of the databases that need to be analyzed; it also includes statistics definition, which defines the statistics and metrics that need to be measured on each data item. Additionally, Open Profiler includes results and graphs to simplify viewing the results and reviewing the level of quality of the data.

www.talend.com/press/Talend-Announces-First-Open-Source-Data-Profiler.php

■ Messaging & Telephony

3CX has announced the newest version of its phone system for Windows, version 6.0. This version features call conferencing with up to 32 participants, Windows Server 2008 support, paging groups of users, support for Vegastream gateways, enhanced SIP interoperability, BLF provisioning, and extended HTTP API. There are four editions available. The free version supports up to eight simultaneous calls, and the commercial versions support up to 32.

www.3cx.com/news/3cx-release-v6.html

InterVations has announced MailCOPA v.9, a multiuser email program for Windows. MailCOPA ensures that multiple email addresses on multiple computers are stored centrally. MailCOPA's new features include the ability to assign any number of categories to a mail message, past prewritten text of any length, a receipt-received message, creation of custom filters to aid in searching for specific messages, and sharing of subfolders with other users.

Better litigation and audit support is the promise of **MessageSolution's version 5.6** of its Enterprise Email Archive software. Ad-hoc reporting capabilities join features such as tagging, notation of archived material, retention policies, and message classification. Furthermore, Enterprise Email Archive 5.6 is more user-friendly, the company says.

www.messagesolution.com/pr.6.10.08_EEA5.6.htm

Polycom has released the latest addition of its SoundPoint IP desktop phone line, SoundPoint IP 670. This application-enabled SIP phone offers HD Voice technology and GigE connectivity. Providing the first color expansion module, SoundPoint IP 670 features a color attendant console solution that increases the call-handling capabilities of the phone and manages incoming calls more efficiently. It supports six lines, shared lines, text messaging, and buddy presence monitoring. The XHTML microbrowser helps users best utilize Web-based applications and integrates with the Polycom Productivity Suite for SoundPoint IP phones.

www.polycom.com/usa/en/company/news_room/press_releases/2008/20080618_1.html

PostPath released PostPath Server High Availability Edition v2, a standards-based, open-systems solution for ensuring real-time business continuity and uninterrupted uptime for a company's critical email and collaboration applications at a fraction of the cost and complexity of Microsoft Exchange. PostPath Server High Availability Edition v2 is an email and collaboration server that's a drop-in alternative to Microsoft Exchange and incorporates multiple measures to ensure ongoing service in the event of a failure in the underlying hardware or network systems. It consists of a multiserver bundle with one or more instances of the primary PostPath Server that acts as the mailbox email server(s) during normal operation, plus a redundant server to take over in case of primary server failure.

[manila.postpath.com/newsItems/viewFullItem\\$573](http://manila.postpath.com/newsItems/viewFullItem$573)

■ Networking & VPN

New blocking controls from **8e6** allow filtering of Internet access to nonbrowser applications. Bandwidth abuse isn't limited to Web browsing anymore, as online games, streaming media, and remote access utilities can become headaches for network administrators. The new controls allow organizations to enforce policies regarding bandwidth management and productivity loss to these popular categories of apps.

www.8e6.com/press-releases/enterprise/8e6-technologies-adds-blocking-capabilities-for-non-browser-applications.html

Bomgar announced its remote support platform, Bomgar 10.1, to help virtualize company individuals involved in IT support. Bomgar 10.1 features a software development kit, which helps decrease the time it takes to integrate Bomgar into existing systems; Macintosh Client to aid in platform flexibility; and an administrative platform that provides visibility to the entire support organization. Bomgar 10.1 is designed specifically to run on Bomgar Box.

www.bomgar.com/press/pr062408.htm

Cisco introduced several products and professional services designed to improve virtual data center efficiency. The Cisco WAAS (Wide Area Application Services) software release 4.1 delivers virtualized application hosting services, improved application acceleration, and video delivery for the branch offices. The Cisco ACE (Application Control Engine) software release 3.1 for the ACE 4710 application switch provides users with up to 4Gbps of throughput and up to 2Gbps of compression capability for virtualized platforms. The Cisco VFrame Data Center software release 1.2 lets users deploy end-to-end infrastructure provisioning with Cisco ACE and VMware ESX. The Cisco Data Center 3.0 professional programs and services also improve customers' data center deployments.

newsroom.cisco.com/dlls/2008/prod_062408b.html

New from **Embotics** is V-Commander 2.0, which aims to take the complexity out of virtualization management and prevent server sprawl. V-Commander 2.0 supplies better reporting capabilities and automatic VM identification tagging. Also new are group-based policy options, some of which appear in context of the life cycle stage of a virtual machine.

www.embotics.com/news-events/press-releases/06-23-2008.php

Endeavors Technologies has announced a free, fully functional version of its streaming and virtualization software, Application Jukebox Lite. Lite is limited to use on a single server and offers features such as fully configurable virtualization that allows administrators to publish applications in a fully isolated or fully integrated mode. Other features include kiosk mode, portals, and usage-

metering features of Application Jukebox SaaS Edition that support a pay-as-you-go model for application rental.

www.endeavors.com/live/showscreen.php?site_id=23&screeentype=site&screenid=23&newsaction=showitem&newsid=309&directcontent=%7bnews%7d&sn=News

Integrien has unveiled its Health Check service. This service is intended to give organizations insight into the operation of mission-critical applications and services to find the cause of chronic IT performance problems. Integrien uses its Alive program to give organizations a better perspective on the infrastructure problems that affect user experience and influence business performance. Sixty to 90 days' worth of historical monitoring data is analyzed by an Integrien application performance consultant using Alive to decide on normal application behavior. Then, data resulting from issues that arose during that time frame is analyzed against the recognized normal behavior to find the root cause behaviors that led to performance problems.

www.integrien.com/press_events/news_press_article.cfm?id=68

NetQoS announced its NetQoS Managed Services to assist customers with network and application performance challenges. NetQoS Managed Services is designed to help customers maintain high service levels and maximize ROI when dealing with data center consolidation, virtualization, WAN optimization, and VOIP management. NetQoS Professional Services experts deliver NetQoS Managed Services using the best practices and operational methodologies. The experts can help customers interpret network performance metrics and anomalies, customize reporting packages, analyze application traffic, and integrate network capabilities with help desk workflows.

www.webitpr.com/release_detail.asp?ReleaseID=9105

Netuitive announced capabilities for its Netuitive Service Analyzer, a self-learning correlation software for managing performance of enterprise applications across mixed physical and virtual environments. Netuitive's Real-Time Analysis Engine provides the underlying technology for Netuitive SI and Netuitive Service Analyzer. The software is completely self-learning and continuously adaptive to perform sophisticated statistical trends analysis and multivariable correlation. The results help automatically determine normal system behavior, measure and forecast deviations from the norm, and interpret symptoms for proper alerting and diagnosis. When the software detects or forecasts behavior outside that range, Trusted Alarms are issued to alert users of impending performance problems.

www.netuitive.com/news-events/latest-news/0806_cross%20silos%20released.php

OPNET has announced the release of NetMapper, a product module for creating content-rich network diagrams in Microsoft Visio. Through up-to-date network diagramming, NetMapper can produce configuration data, routers, switches, and firewalls. Users are able to access multiple network views including VPNs, VLANs, and protocols. According to Alain Cohen, OPNET president

and chief technology officer, “NetMapper eliminates the burdensome manual effort associated with producing network diagrams, providing more accurate, complete, and timely information so users can diagnose network issues more rapidly, plan for change more effectively, and operate more productively. Only NetMapper can offer such powerful capabilities because OPNET solutions are unique in their ‘semantic’ approach to analyzing the network, meaning that network configuration data is interpreted using expert knowledge to create the data model.”

www.opnet.com/news/press_releases/pr_2008/netmapper_pr.html

Also, OPNET Technologies has joined with **Riverbed Technology** to combine Riverbed Steelhead appliances and OPNET’s ACE program. This combination of application performance management products is designed to give users a comprehensive solution for better visibility into applications accelerated by Riverbed. The intent of this combination is to give customers the ability to effectively optimize network performance by identifying problem areas for applications, measuring end-to-end application delivery, and bettering troubleshooting and problem resolution.

www.opnet.com/news/press_releases/pr_2008/riverbed_pr.html

Parallels, along with **Quest Software**, introduced the Virtual Desktop Infrastructure bundle. This end-to-end stack centralizes Windows desktop deployment and management. Parallels uses Virtuozzo Containers to execute multiple workloads in isolated virtual environments. These containers are installed on top of the OS and, therefore, rely on the resources of the OS rather than using their own. Quest Software’s Provision Networks Virtual Access Suite provides multiplatform integration including automated provisioning, sysprep editing, Active Directory integration, power management, application streaming, brokering, and scheduling task execution for on-the-fly, single-click service.

www.parallels.com/en/news/id,14454

Sun Microsystems has announced Sun Identity Manager 8.0, provisioning software with data export and attestation capabilities. Integrated with Sun Role Manager, Sun Identity Manager provides role-based user provisioning which facilitates using business roles for both identity life cycle management and auditing across various environments. Other features of the application include the ability to export data and events to external entities for further analysis, comprehensive attestation to create an end-to-end access certification solution, and better integration of business roles.

www.sun.com/aboutsun/pr/2008-06/sunflash.20080623.1.xml

Symantec Endpoint Management Suite, an application designed to deliver next-generation integrated best-of-breed systems management, endpoint security, and backup and recovery is available from **Symantec**. Built on the Web-based Symantec Open Collaborative Architecture, Symantec Endpoint Management Suite consists of Symantec Endpoint Protection 11.0, Altiris Client Management Suite 6, and Backup Exec System Recovery 8 Desktop Edition. The application is designed to streamline

data sharing and IT automation. Features of Symantec Endpoint Management Suite include streamlined automation of endpoint life cycle management tasks, protection against security threats, and swift recovery of critical files and complete systems.

www.symantec.com/about/news/release/article.jsp?prid=20080623_01

TEKLYNX International introduced BACKTRACK 6.0, the latest version of the company's comprehensive asset and inventory tracking software system. This version adds several capabilities, including Windows Vista support and improved database conversions. Other enhancements include check-out preauthorization, the ability to store label files in user-defined directories, and the ability to choose an existing mapped network drive for network installation. BACKTRACK supports Microsoft Visual FoxPro, Microsoft SQL Server 2000, SQL Server 2005, SQL Express 2005, and Microsoft Access databases. BACKTRACK continues to support legacy DOS-based PDTs (portable data terminals) and adds support for Windows Mobile-based devices from Compsee, Denso, Opticon, Symbol, and others. BACKTRACK supports all TEKLYNX label design programs.

www.teklynx.com/about/news/2008/article_384.html?year=2008

Uplogix announced the release of the Uplogix 430, a compact, fixed 4-port version of the Uplogix SRM (secure remote management) appliance designed for large enterprises needing to cost-effectively manage a handful of devices at multiple remote locations with limited or no local IT support. The Uplogix 430 provides a comprehensive integrated platform that eliminates the dependency on a combination of more expensive point solutions. The appliance is powered by the Uplogix RMOS (Remote Management Operating System) software platform, which directs Uplogix SRM appliances to remotely automate hundreds of routine system maintenance, configuration, fault diagnosis, and recovery operations. With its compact design and low power consumption, the Uplogix 430 is well-suited for deployments having physical space limitations or nonracked environments. With integrated functionality for access, control, and enforcement, the Uplogix 430 can automate as much as 70% of routine network maintenance functions and autonomously address the majority of issues that cause network-related outages.

www.uplogix.com/news/release.php?id=34

■ Physical Infrastructure

Minicom Advanced Systems launched the KVM.net II, a centralized remote access system. The KVM.net II lets IT administrators remotely access all distributed IT assets from one IP address, including KVM, serial, power, and network devices. KVM.net II includes Access Services, a feature that supports such remote access technologies as KVM, Serial, RDP, VNC, SSH, Telnet, VMware, HP ILO, and Web services. Additionally, KVM.net II's user interface has been designed such that IT

department workers can learn the entire system in a day.

www.minicom.com/pressreleases_in96.htm

Pelican has released the 1510 Laptop Overnight Case for on-the-road laptop protection. Its detachable neoprene sleeve allows for quick TSA security checks during air travel. The case also features a detachable pouch for cords or toiletries; the main compartment includes a cloth-lined storage unit big enough for personal clothing items. Other features include stainless steel ball bearing, polyurethane wheels, an extension handle, double-throw latches, and padlock protectors. The 1510 cell-core construction is designed to protect sensitive equipment no matter where you need to haul your laptop.

www.pelican.com/media/news/product/pr_06_23_08.php

■ Security

Absolute Software has released Computrace LoJack for Laptops in Premium and Student Editions. Aimed at combating computer and identify theft, the releases also expand the company's consumer product line by including identity protection via remote data deletion abilities. The company is also including a Service Guarantee of up to \$1,000. The Computrace LoJack for Laptops line is based on the same technology that Absolute offers corporate customers; Absolute backs each edition with the company's Theft Recovery Team, which offers more than 650 years of combined law enforcement experience and relationships with more than 1,000 police departments in North America. The remote data deletion feature, meanwhile, erases sensitive files using an algorithm meeting U.S. Department of Defense standards.

www.absolute.com/company/news-releases-content.asp?CSID=lojack-premium

ArcSight has released IdentityView, which brings the user- and role-management tasks of IdM (identity management) products together with the extensive activity monitoring and correlation roles of SIEM (security information and event management) products. Designed to operate with identity and access management systems from an assortment of vendors, IdentityView intends to give IdM customers a clearer understanding of who is on the network, what data they are seeing, and what they are doing with that data. IdentityView includes reports and dashboards, such as activity-based role modeling, comprehensive activity reporting, automatic watch lists, separation-of-duty tracking, application usage tracking, and role tracking.

www.arcsight.com/pr_06_24_08.htm

In collaboration with **NetApp**, **Brocade** plans to develop simpler and more extensive encryption capabilities for the data center. Brocade will resell NetApp's Lifetime Key Management appliance and

will integrate its own fabric-based encryption into NetApp's Lifetime Key Management system. Brocade also is using NetApp's OpenKey API to work on a fast encryption and compression technology compatible with NetApp's key management framework.

www.brocade.com/news/2008/6_24_NetApp.jsp

Cloudmark released its Cloudmark ActiveFilter product, which delivers spam filtering for mail stores. Cloudmark ActiveFilter catches spam that makes it through initial content filtering to keep the mail store completely free of spam. ActiveFilter can improve filtering accuracy to above 99%. Additionally, Cloudmark updates its list of known threats every 30 seconds to ensure spam never makes it into an organization's message system. Cloudmark ActiveFilter will be available in Q3 as an add-on feature to the Cloudmark Gateway edge MTA.

www.cloudmark.com/serviceproviders/media/releases/?release=2008-06-23

Courion launched the latest iteration of its Courion Enterprise Provisioning Suite, which is an identity and access management solution designed for small, medium-sized, and large enterprises. Courion Enterprise Provisioning Suite 7.80 now supports multitier architecture to handle larger databases, higher volume of target systems, and extended deployment options. The new version also separates business rules from data access connectors for more effective handling of dynamic heterogeneous IT environments. Other enhancements include improved availability; a more user-friendly interface; and support for Windows Management Instrumentation, HP OpenView, and IBM Tivoli.

www.courion.com/company/pressreleases.aspx?id=2588

Global Technology Associates released GB-OS 5.1, an operating system that provides support for GTA's software firewall, the GB-Ware. GB-OS 5.1 also has upgrades for GTA Firewall UTM (Unified Threat Management) appliance-based systems. GB-Ware Software UTM Firewall can be installed on VM (virtual machine) platforms such as VMware and XenServer, while retaining the UTM functions found on standard GB-Ware installations. GTA's appliance-based UTM firewall includes advanced features such as new routing functions, authentication methodologies, and URL filtering. GTA GB-OS 5.1 is available for download to current customers of GTA firewall products or existing GTA customers with a GTA support contract.

www.gta.com/news/release/?n=2008-06-20_1.html

Intellitactics has introduced a package that combines ISM (Intellitactics Security Manager) and Security Monitors. This package is designed to provide organizations with identity-based, real-time detection of both external threats and unauthorized access and behavior based on user identity. With this integration, organizations can guard the enterprise and comply with regulatory standards by simplifying their ability to observe access to sensitive, proprietary, and classified systems and behavioral risks. Using existing infrastructures, this package finds and manages access and behavior widely across all networked systems.

www.intellitactics.com/int/about/pr/20080625.asp

Motorola announced the ability to wirelessly configure and manage its Multi-Net Mobility end-to-end data encryption solution. Multi-Net Mobility provides encryption for text, image, and video applications across different public and private networks, including Motorola's MOTO-MESH, ASTRO 25 Integrated Voice and Data, ASTRO 25 High Performance Data, or other wireless networks. Multi-Net Mobility allows users to roam through different wireless networks while optimizing the performance of their mobile devices. With remote configuration, users can now update their devices at their convenience.

www.motorola.com/mediacenter/news/detail.jsp?globalObjectId=9795_9724_23&pageLocaleId=2026

RSA's Identity Verification is available in a new version. The knowledge-based authentication system mitigates the risk of fraud by verifying customer identity. In addition to current address verification, the new system is also smarter about the questions it asks and the patterns of suspicious behavior that trigger automatic monitoring. Users also will have new reports from which to choose.

www.emc.com/about/news/press/2008/20080624-01.htm

SonicWALL Email Security 6.2, an email security application designed to distinguish between a legitimate NDR (Non-Delivery Report) message and an NDR spam message, is available from **SonicWALL**. The spam is filtered by the BATV (Bounce Address Tag Validation) specification. The implementation of BATV is designed to be seamless, as it enables monitoring of both inbound and outbound email on the same system. Other features of SonicWALL Email Security 6.2 include enhanced language detection abilities, performance monitoring, and simplified licensing so users can choose the best subscription for their system.

sonicwall.mediaroom.com/index.php?s=43&item=862

Sybase iAnywhere's Afaria, a management and security tool, will soon be enhanced with features including antivirus and firewall technology. The upgrades are designed to fight the growing problem of malware, viruses, hackers, and spam targeted at handheld devices. By adding to Afaria's pre-existing device authentication and encryption technology, the upgraded tool is designed to protect against hackers and theft, as well as provide virus and data compromise protection for Windows Mobile, Symbian, and BlackBerry mobile devices.

www.sybase.com/detail?id=1057260

Symantec has announced an updated version of Vontu Data Loss Prevention, which features enhanced management and support of native SQL database scanning. Vontu Data Loss Prevention is designed to prevent the loss of sensitive corporate information and enable businesses to find and protect confidential data. The application features native support for SQL databases such as Oracle, SQLServer, and DB2 that can be controlled from the Vontu Enforce Platform. Features of the

database scanning technology include the ability to manage scheduling, throttling, and filtering of SLQ database scans.

www.symantec.com/about/news/release/article.jsp?prid=20080624_01

Trend Micro launched Trend Micro Email Encryption Client 5.0 and email encryption for IMHS (InterScan Messaging Hosted Security). The solution enables businesses to encrypt email communication to any valid email address without recipient preregistration or the need for certificate management, making it easy for the intended recipient to open the encrypted email. Based on the technology acquired with the purchase of Identum, Trend Micro's initial email encryption solution is integrated with IMHS, providing automated, policy-based encryption for emails filtered through Trend Micro's hosted email security. Trend Micro also offers Trend Micro Email Encryption Client 5.0 plug-in software, which supports popular email clients and enables encryption from sending desktop to receiving desktop. These hosted and client encryption solutions can be combined to provide an overall encryption solution, including perimeter, policy-based encryption to automate the encryption of particular types of content and user-designated, client-based encryption to protect content in specific emails. Trend Micro Email Encryption for InterScan Messaging Hosted Security is scheduled to be available in the third quarter.

trendmicro.mediaroom.com/index.php?s=43&item=645&WT.mc_id=2008HP_News

■ Servers

Hitachi's Server Systems Group has announced it has upgraded the BladeSymphony server line based on the latest enhancements to Intel processors. Hitachi says the upgrades make the BladeSymphony 1000, which uses Hitachi's Virtage embedded virtualization technology, the highest-performing Itanium blade server available. The company has also upgraded its BladeSymphony 320 server line. The 320 simplifies edge-tier and application-tier consolidation. Upgraded models within the BladeSymphony 1000 line include versions running dual-core Intel Itanium 9100, dual-core Xeon 5200, and quad-core Xeon 5400 processors. Versions within the 320 line now support Xeon 5200 and Xeon 5400 series processors.

www.hitachi.us/Apps/hitachicom/content.jsp?page=PressReleases/details/06242008.html&path=jsp/hitachi/aboutus/Press-Media/

HP announced the BladeSystem for Oracle Optimized Warehouse, a preconfigured, appliance-like solution that allows organizations to invest more money into new innovations rather than maintenance. BladeSystem for Oracle saves customers up to 65% on energy costs while working at 2.5 times the performance level working as an essential data warehouse infrastructure: BladeSystem computes, stores, interconnects, and manages data. BladeSystem requires little configuration to

systems where Oracle has been preinstalled.

www.hp.com/hpinfo/newsroom/press/2008/080624xa.html

■ Storage

Dell announced its latest infrastructure consulting services aimed at organizations looking to improve their storage management, data protection, disaster recovery, and backup processes. Organizations of all sizes can take advantage of Dell's services to implement a tiered-storage infrastructure; improve backup and recovery infrastructure; and plan, design, and deploy data disaster recovery solutions. Dell also offers managed backup, remote backup monitoring, and remote backup reporting services.

www.dell.com/content/topics/global.aspx/corp/pressoffice/en/2008/2008_06_23_rr_000?c=us&l=en&s=corp&~f=lg

HP introduced a disk-based backup system that offers data deduplication technology to increase disk use by as much as 50 times. By eliminating redundant data found on disks, customers are able to utilize more of each disk, thereby eliminating the needs of floor space and space requirements and lower energy consumption. The HP StorageWorks D2D Backup System (D2D) provides disk deduplication services to small to medium-sized enterprises, while the HP StorageWorks VLS (Virtual Library Systems) is geared toward enterprise-sized businesses. HP StorageWorks D2D starts at \$6,499, while pricing for the StorageWorks VLS is based on physical capacity.

www.hp.com/hpinfo/newsroom/press/2008/080623b.html

iStor Networks released the iS512-10G, a 10Gb model of the iS512 integraStor storage system. The scalable iSCSI storage array is optimized for small and medium-sized enterprises. The iS512-10G provides native 10Gbps architecture support for full duplex wire-speed data rates in excess of 1,100MBps. iStor's 1GbE and 10GbE solutions share the same unified architecture and software, so the transition from 1GbE to 10GbE with iStor eliminates technical risks of upgrading storage and provides the additional benefit of protecting your original investment. The iS512-10G is designed to benefit customers as they migrate to server virtualization to solve performance, power, and floor space issues.

docs.istor.com/admin/clients/135/press_docs/10Gb%20Press%20Release%20Final.pdf

PlateSpin has announced the release of PowerConvert Version 7.0, a backup and recovery solution for multiplatform support. To help servers protect workloads on physical and virtual environments, PowerConvert uses image-based disaster recovery and migration speed enhancements to support large-scale procedures. PlateSpin's latest version now offers wide support of SUSE Linux Enterprise,

Red Hat Enterprise Linux, 64-bit Microsoft Windows Server-based workloads, and Citrix Xen-Server environments. Additionally, PowerConvert provides P2P (physical-to-physical) and V2P (virtual-to-physical) migration capabilities and enables accelerated data center server consolidation. Flexible imaging import and export create a readily accessible image-based repository for total backup and recovery.

www.platespin.com/corporate/newsdetails.aspx?id=277

Tangent unveiled DataCove 8000L, an enterprise-class email archival appliance based on the DataCove OS 4.0. DataCove allows organizations of all sizes to index, archive, and instantly retrieve ESI (electronically stored information) in compliance with changes to FRCP (Federal Rules of Civil Procedure) and state civil rules for e-discovery. New features include SAS, RAID 5 and 6, quad-core Xeon processors, AIT Tape Library, unalterable archival, 256-bit AES encryption, indexing, deduplication, and Web-based menus. Other features include advanced search options; clustering, alphabetized, and paginated search results; and advanced compression of emails on RAID and WORM media. DataCove integrates with all email systems, including Microsoft Exchange, Lotus Notes, Novell Groupwise, and SendMail.

www.tangent.com/t_news/news_06242008.htm

WD announced new WD RE3 SATA hard drives, the company's latest generation of RE family drives. WD's third-generation, high-capacity enterprise SATA hard drives enhance vibration and shock tolerance and deploy new electronics to increase performance approximately 20% and by as much 60% in high-vibration environments. WD RE3 drives feature 1.2 million hours MTBF (mean time between failure), NCQ (native command queuing), TLER (time limited error recovery), and an extensive and enhanced testing process. Features of the WD RE3 line include a dual processor, RAFF technology, IntelliSeek technology, a multi-axis shock sensor, NoTouch ramp load technology, and third-generation dynamic fly height. The line also has RAID-specific TLER (Time-Limited Error Recovery) to prevent drive fallout caused by extended hard drive error-recovery processes.

www.westerndigital.com/en/company/releases/PressRelease.asp?release={71D2134F-26E5-47CC-819C-AB702980FD89}

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June 26, 2008

Link: http://searchstorage.techtarget.com/news/article/0,289142,sid5_gci1318949,00.html

The screenshot shows the top section of the SearchStorage.com website. On the left is the logo, which consists of a stylized eye icon and the text "SearchStorage.com". Below the logo is the tagline: "The Web's best storage-specific information resource for enterprise IT professionals". To the right of the logo, the text "Your online connection to" is partially visible, followed by the word "STORAGE" in large, bold, red letters. Below "STORAGE" is a black button with the text "Storage Decisions" in white. A horizontal navigation menu is located below the logo area, with items: HOME, NEWS, MAGAZINE, TOPICS, LEARNING, MULTIMEDIA, WHITE PAPERS, BLOGS, EVENTS, and ABOUT US. Below the navigation menu is a search bar with the text "SEARCH:" followed by an empty input field and a red search button. To the right of the search bar are links for "Advanced Search", "Site", and "Index". At the bottom right of the search area, it says "Powered by:" followed by the Google logo.

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Storage Technology News:

Dot Hill gives Fibre Channel arrays DC power option

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Dot Hill gives DC power option to Fibre Channel storage arrays

Dot Hill Systems Corp. has made Direct Current (DC) power supplies available with its 5730 Fibre Channel storage arrays. The option allows users to use DC power for more energy efficiency and lower costs in the data center and remote environments. The 5730 with DC power is now shipping starting at \$32,000.

Virtual Machine edition of Exanodes software creates virtual SANs

The most recent version of Exanodes software from Seanodes is a Virtual Machine edition that creates a virtual SAN to provide server virtualization. The software, features self-healing capabilities and can rebuild a 1 TB disk in less than 40minutes. Exanodes starts at \$500 per TB.

Sepaton launches VTL with stronger dedupe performance

Sepaton has enhanced the data deduplication capabilities in its latest virtual tape library. The S2100-ES2 series 1000 VTL includes DeltaStor V5.0 software, which allows users to add data protection applications such as remote replication and data deduplication. Using 1 TB drives, the VTL can store 1.6 PB of usable data while reducing the space required to store that data by as much as 50:1. Users can back up and restore data at 34.5 TB/hour.

Pricing for the VTL starts at \$69,000 for 10 TB usable.

This week's storage news

[Tek-Tools adds path reporting on VMware and VTL](#)

[NetEx widens WAN](#)

optimization capabilities

Proofpoint buys email
archiving SaaS provider
Fortiva

Data Domain, Mimosa add
data compliance capabilities

RecoverGuard 3.0 corrects vulnerabilities in VMware environment

Continuity Software has released RecoverGuard version 3.0, designed to detect and correct disaster recovery threats and vulnerabilities in their EMC VMware virtualized environments. The software adds host configuration gap detection, and can be used with configuration management databases, as well as Oracle Data Guard and Hitachi Data Systems platform support.

Fibre Channel storage system scales to 80 TB

Enhance Technologies now offers a 64-bit dual Fibre Channel 4 Gbps storage system for applications requiring high-speed transfer of large amounts of data. Users can populate the system with a mix of SAS or SATA disks to deploy tiered storage.

The UltraStor RS16 FS allows users to start with the storage capacity they currently need and offers data expansion through daisy-chaining four or more optional RS16 JS JBOD units to form large RAID storage and scale up to 80TB. **FalconStor makes VTL available for use with Symantec API**

FalconStor has made its VTL OpenStorage available for use with Symantec's Veritas NetBackup OpenStorage API. The combination of the two products provides migration of backup images from disk devices to tape for long-term archiving and deploying a NetBackup media server.

MessageSolution email archiving software updates retention policies

MessageSolution Inc. launched a new version of its email archiving software, Enterprise Email Archive 5.6. The new product features built-in logs and audit trails, and can apply classifications and unique retention policies to case-relevant emails for litigation hold.

Open-E's DSS to be used with VMware's ESX server

Open-E Inc.'s Data Storage Server IP-storage operating software has been certified for use with VMware's ESX server 3.5. The DSS combines full NAS and iSCSI SAN functionality, and supports RAID functionality. The ESX server has a virtualization layer that abstracts processor, memory, storage and networking resources into several virtual machines.

Tangent launches new DataCove 8000L email archival tool

Tangent Inc. has released the DataCove 8000L, an email archival tool based on the DataCove OS 4.0. The new appliance features SAS, RAID 5 and 6, Quad Core Xeon Processors, AIT Tape Library, unalterable archival, 256 bit AES encryption, indexing, deduplication and web-based menus. Pricing starts at \$50,000 for unlimited users.

IBM to use ATTO HBAs with SAN Volume Controller

ATTO Technology's Celerity 4-Gigabit Fibre Channel host adapters have been qualified for use with IBM's SAN Volume Controller (SVC) for the Mac market. The ATTO driver allows path failover and load-balancing capabilities between the Celerity FC-41ES, FC-42ES and FC-44ES PCIe host adapters and the virtual LUNs created by IBM's SVC.

http://searchstorage.techtarget.com/generic/0,295582,sid5_gci1307051,00.html



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[Home](#) > Email archiving product specifications



Email archiving product specifications

25 Mar 2008 | Stephen J. Bigelow, Features Writer

Go to the [first product snapshot](#), or select the desired product below:

[Autonomy Zantaz; Enterprise Archive Solution version 6.1 \(EAS 6.1\)](#)

[AXS-One Inc.; AXS-Link for Microsoft Exchange](#)

[C2C; Archive One](#)

[CA; Records Manager](#)

[CommVault; Data Archiver](#)

[EMC Corp.; EmailXtender](#)

[Fortiva Inc.; Fortiva Archiving Suite](#)

[Hewlett-Packard Co.; Integrated Archive Platform](#)

[IBM; DB2 Content Manager](#)

[Jatheon Technologies, Inc.; Plug n Comply Product Family - SMB & Enterprise](#)

[Mathon Systems Inc.; Integral Product Suite](#)

[MessageSolution Inc.; Enterprise Email Archive](#)

[Mimosa Systems, Inc.; NearPoint](#)

[Njini; Information Asset Management suite](#)

[Open Text Corp.; Livelink ECM Email Management for Microsoft Exchange](#)

[Orchestria Corp.; Orchestria Intelligent Compliance](#)

[Symantec Corp.; Enterprise Vault](#)

[Waterford Technologies; MailMeter Storage Manager](#)

[Xiotech Corp.; CEMS](#)

[Return to the beginning](#)

[Product Snapshot #1](#)

[Autonomy Zantaz; Enterprise Archive Solution version 6.1 \(EAS 6.1\)](#)

Data classification: EAS 6.1 is built on the Autonomy IDOL platform, enabling information processing for all archived messages, files, documents and other content with over 500 distinct functions. This approach to data classification includes taxonomy generation; a set of industry-specific taxonomy libraries; automatic categorization and channels; and Autonomy Collaborative Classifier (ACC). Together these features create an automatic statistical process that determines the appropriate classification for each discrete piece of information based on its contents within the context of the full body of enterprise information while preserving the ability to inject whatever level of manual expertise and influence is desired over the process.

Data migration: Migration of information is a fundamental capability of the archive. Some customers use the deduplication capabilities of EAS 6.1 to facilitate the migration of information from one content server to another. For example, when migrating from a Notes/Domino email environment to a MS Exchange email environment, the EAS archive can be used to first offload and optimize the original Domino servers to greatly reduce the overall volume of messages and attachments that must be converted to MS Exchange format.

Litigation hold: The EAS Discovery module allows legal professionals to identify information that must be preserved for legal reasons through several mechanisms: by custodian, including both existing and future archived content from the selected users; by adding a file, message or document to a given case file; or by performing a search on the content and/or metadata and then selecting some or all of the information from the result list. Objects in the EAS 6.1 archive can be subject to multiple litigation holds simultaneously if involved in multiple legal matters. These objects cannot be deleted or purged from the archive until all litigation holds have been cleared, and holds can only be cleared by users with appropriate permissions.

Retention/deletion features: The retention period can be set by corporate policy at a granular level, either at time of ingestion or later. EAS does not allow information to be deleted or purged from the archive until the retention period has expired. For customers requiring greater assurance, EAS supports a variety of tamper-proof storage options including NetApp Snaplock, EMC Centera and IBM DR550. In such cases, EAS passes the retention period to the storage device, where it is enforced in the storage hardware. EAS 6.1 applies a policy engine to ingest information, but also provides an independent policy engine for ongoing management of the archived information. This feature enables routine, policy-based disposition of archived information that is consistent with the amended FRCP.

Storage reduction features: EAS 6.1 features an SIS algorithm. Using this algorithm as well as compression on the archived information, EAS reduces the overall storage volume of the enterprise information by as much as 90%.

Reporting and logging features: EAS 6.1 supports regulatory compliance and e-discovery processes, both of which require stringent audit trails. A set of standard reports is available, and additional reports can be generated using standard SQL-based reporting tools.

Encryption and security features: The IDOL platform features a "mapped security" model that maintains the access permissions of all archived information and ensures ongoing synchronization with the original content servers. This

allows each user to see only those documents and messages for which they have established access permissions on the originating server. Because IDOL maintains a synchronized internal security map, EAS users can search, navigate and retrieve information, without having to repeatedly contact each content server for authorization. EAS can archive and manage encrypted content, and can even index and search that content using the IDOL connector architecture that provides access to over 400 repositories. Naturally, this requires that the encryption key be available through a managed security infrastructure. If a user encrypts a file or document and does not make the encryption key available, EAS can archive and manage the information, but will be unable to open it for indexing purpose.

Metadata features: EAS 6.1 captures information in native format, including all metadata fields. Additional metadata fields are also created to store archive-specific information such as retention periods; litigation holds; administrative and user access audit trails; supervisory audit logs; and case-specific data, such as tags and production logs.

Scalability: EAS can support hundreds of thousands of users with enormous volumes of information distributed across dozens of geographical sites.

Top five management features:

The automatic information processing of the IDOL engine. Without requiring any manual intervention by the admin, IDOL enables search, navigation, categorization and clustering, as well as hundreds of other functions.

The IDOL connector architecture, which enables users to ingest information into the archive from over 400 repositories in over 1000 formats and over 100 languages. Even rich media such as recorded audio and video clips can be included.

The SIS algorithm.

The mapped security feature.

The EAS Storage Manager, which provides a policy engine dedicated to the ongoing management of the archive itself, including the ability to run scheduled, routine good faith deletion processes.

Archiving platform integration: EAS 6.1 can archive information to any UNC-addressable storage device, including NTFS, SAN, NAS, WORM, tape, DVD and CD-R. EAS 6.1 also supports these tamper-proof storage devices: EMC Centera; NetApp Snaplock, NearStore and FAS; Sun Intellistore; IBM DR550; Zantaz Digital Safe.

Hardware requirements: Minimum server hardware: 1.4 GHz processor, 1 GB RAM, 2 GB free disk space

Base cost: EAS 6.1 is licensed on a per-user basis, with cost dependent on the number of users and the level of functionality. A basic solution starts at approximately \$10 per seat.

Detailed specs: <http://www.zantaz.com>

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Product Snapshot #2

[AXS-One Inc.](#); AXS-Link for Microsoft Exchange

Data classification: User-defined classification rules can be used at time of archival to automatically classify records for

retention purposes. The most common policies are based on a combination of named directory attributes, content and other key fields in the message. Mail messages are intercepted and, based on policies defined in the MessageGate policy engine, the message will be marked with a category. Categorization can be based on message metadata, message body or contents of the message attachment.

Data migration: Each category of data has an associated retention policy, process map and storage map. The storage map is used to integrate with customers' tiered storage model and can be configured to provide ILM capabilities, but most customers integrate with their own implemented system such as TSM. AXS-One is storage-agnostic and does not use a relational database; we write data serially to volumes on the file system based on date and category. Each category can be associated with different volumes which are hosted on different storage devices. When retention periods are long, data can be migrated through the process all the way until data is expired. This is all completed through the storage maps. Based on this information, we can integrate seamlessly with any type of storage environment and leverage any type of tiered storage or migration a customer may want to implement.

Litigation hold: All records associated with a specific legal matter can be placed on hold, ensuring their scheduled retention is suspended so they cannot be destroyed or modified in any way until the hold order is lifted. Documents already in the archive as well as new documents as they are archived can be put on hold, automatically based on record categories or on keywords in individual documents. An audit trail ensures a full history of all records managed by the system, from initial acquisition to final destruction.

Retention/deletion features: Organizations can manage the retention and disposition of e-mails and other records automatically according to corporate policies and regulations while automatically honoring active litigation holds. The workflow-enabled rules engine can be configured to meet specific policy requirements, including complex base date calculations and review of small samples of documents to audit the accuracy of the system. Rules can be defined to accommodate corporate information access policies. Retention Manager provides proactive and persistent monitoring of corporate records to ensure corporate policy adherence.

Storage reduction features: AXS-One will apply as many as eight levels of storage reduction prior to ingestion into the archive. Compression is performed after Single Instance Storage and deduplication has been performed. Tunable and open compression will conservatively reduce the storage requirement by 40% after realizing the storage advantages accomplished by implementing single instancing.

Reporting and logging features: Pre-defined graphing/charting and reporting are used across various facets of the application interfaces. Reporting is available on audit and review functions in the system. Extracts can be defined to provide additional reporting across all elements maintained in the system. AXS-One supports data-extracts into various system technologies. Web-based viewing of system statistics is provided. User access to the statistics function can be restricted to certain groups of users, such as administrators.

Encryption and security features: Supports encryption and decryption of email using PGP, GnuPGP or S/MIME. This

is done on the server, and is used for server-to-server based encryption. System security is provided across several tiers of the system. User authentication methods can be invoked through the native application or integrated through directory services such as LDAP or AD. Every facet of the data is secured through user/group security access. Permissions can be established for various access levels throughout the system. TCP/IP sockets are utilized for server-to-server communications and https secure transfer protocol can be utilized for server communication from the web-tier.

Metadata features: Metadata is collected starting at the mail server (i.e., Mail Folder, dates, addresses, etc). Categories are also added to document metadata. Legal Review process allows addition of disposition (privilege, responsiveness) and comment/ annotations.

Scalability: No limitations to the numbers of records supported, users or servers. Solution scales horizontally with number of archive servers and vertically where major functions can be isolated on a separate server, and searches can be federated across multiple archive servers. The archive tier processes 30GB to 200GB of data per day on a single server. One customer ingests 0.5 TB of information nightly. Full text indexing is included in this processing. No database is used. We bundle small documents together and write data serially to the files system.

Top five management features: Chain of Custody and compliance built into the core; error-proof search wizard allows legal staff access to previously technical search interfaces; Extensible Process Management framework provides tight integration of the archive, retention/ disposition and legal holds, allowing companies to start disposing of information that should not be retained; case statistics provide a high-level view of costly eDiscovery activity.

Archiving platform integration: Product is optimized for Exchange environments and is an integral component of the of the AXS-One Compliance Platform.

Hardware requirements: Heterogeneous storage environment is supported which includes DAS, SAN, NAS, tape and optical devices, as well as CAS devices from Sun, IBM, EMC and NetApp.

Base cost: Not provided.

Detailed specs: http://www.axsone.com/products_msexchange.shtml

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Product Snapshot #3

C2C; Archive One

Data classification: Identifies exact data types using multiple criteria definitions based on item characteristics and location.

Data migration: Automatically moves and migrates and tiers email and message items from message server storage to other direct storage or for control via storage managers.

Litigation hold: Items can be placed on legal hold either automatically or manually for easy discovery and to prevent removal

Retention/deletion features: Multiple retention authorities are featured and staged deletion is supported.

Storage reduction features: Product includes compression; 'SIS plus' and 'Optimized SIS' single instance storage technologies are incorporated.

Reporting and logging features: Full logging and reporting is provided.

Encryption and security features: A complete access rights and roles framework protects access and use. Close integration with various storage management software enables archives to be encrypted.

Metadata features: Email and message items are contextualized and indexed as they are processed. Metadata includes dates, addresses, sizes, titles, specific words, attachment information, etc.

Scalability: Unlimited

Top five management features: Discovers items in live mail server stores and PST files as well as in compliance copies; rapid search thorough indexed compliance copies; independent of storage device types; provides managed samples and random samples; scheduled retrieval and controlled handover

Archiving platform integration: Archive One integrates with most hardware archive platforms, including Powerfile Active Archive Appliance, Prostor InfiniVault, Plasmon UDO Archive Appliance, Nexsan Assureon, EMC Centera and more.

Hardware requirements: 3.5GHz CPU; 40Gb disk space; 1Gb memory

Base cost: Not provided

Detailed specs: <http://www.c2c.com/site/solutions/email.asp>

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Product Snapshot #4

CA; Records Manager

Product details not available.

Detailed specs: <http://www.ca.com/us/products/product.aspx?ID=5875>

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Product Snapshot #5

CommVault; Data Archiver

Data classification: Commvault Data Archiver has very flexible policy engine allowing for data to be archived on many

different criteria. Data can be archived based on size, age, location (folders), include/exclude by file type, etc. Policies can be defined at a global level or down to an individual user or folder level. ArchiveSets allow you to create overlapping classification rules which get aligned to retention policies.

Data migration: Yes, all of the Commvault Products have the capability of moving data from one storage tier to another. There can be multiple managed copies of Data each with differing retentions, so you can have data on fast disk for 90 days, and move that to less expensive disk for a year and then off to tape or optical for 7 years, as an example.

Litigation hold: Yes, Commvault Data Archiver does support litigation hold. Holds can be placed across backup and archive data at a global level from within one interface. Using a web search interface, individual items that meet search criteria, can also be placed on litigation hold (allowing the global hold to be released).

Retention/deletion features: Yes, Commvault Data Archiver is has built in Retention and Deletion features. All data has an associated Retention, this Retention can be extended for reasons like Legal Hold. Once data has gone outside of the Retention Period it is automatically deleted. There are also processes which allow for the deletion of data on an as needed basis with proper permissions.

Storage reduction features: Yes, Commvault Data Archiver leverages the Common Technology Engine (CTE) that is core to the Simpana suite. The CTE has many advanced Media Management technologies such as client side and server side compression of data, as well as Single Instance Storage to allow for storage reduction in the archive/backup storage repository. The Data Archiver Product set also reduces Primary storage by enabling the stubbing of data, moving the data to secondary storage.

Reporting and logging features: Yes, Commvault Data Archiver provides both reporting and logging of all processes. Reports are available for Archive and Retrieval jobs as well as Content Indexing. Additionally there is a GUI audit trail to track changes to the system.

Encryption and security features: Yes, Commvault Data Archiver supports both Encryption and Security Features. Data can be encrypted over the wire, as it is stored on archive/backup disk, and/or when it is sent offsite via tape. Users have control to determine when and where encryption occurs. Security is managed within the application and is also integrated with Active Directory for ease of management as well as allowing for Single Sign-on capabilities.

Metadata features: Commvault Data Archiver adds additional metadata such as client/subclient policies, security, job ids, timestamps, and storage policies. This additional metadata provides chain of custody control to ensure data can easily be tracked and reported on within the archive. From within the Web Discovery interface, data can be searched and saved into Result Sets. Compliance or Legal personnel performing searches can add annotations to select items within Result Sets. Items can also be identified if they are part of other Result Sets.

Scalability: The distributed indexing design of the CommVault Data Archiver architecture does not impose a limitation on the number of objects (email, files, documents) under management in the archive. Combined with our ability to seamlessly tier the retention policies with direct data access over mixed media types (disk, tape, optical) – this offers

the customer a highly scalable solution.

Top five management features:

Single Administration Console – All administration tasks for archiving as well as other components of the Simpana suite can be performed from a single admin console.

Single Infrastructure – The Archive module can leverage the same storage infrastructure as the backup module minimizing duplicate costs as well as reducing the amount of hardware that has to be managed.

Robust Content Indexing – Commvault Simpana has the ability to Content Index not only Archive data but backup and Online data as well. The indexing supports 370 content types in 77 languages.

Search and eDiscovery – Commvault Data Archiver provides eDiscovery via a Web interface or Outlook plug-in. This interface allows end-users to search their data and their data only across all data management repositories. Legal personnel can be granted rights to search across users data sets and email mailboxes for legal discovery purposes.

Cross Platform support – Data can be archived / protected across email (Exchange and Domino), File Systems (Windows, Netware, Linux, Unix, etc.), SharePoint, and NAS devices providing centralized control over Electronically Stored Information (ESI).

Archiving platform integration: Commvault Data Archiver integrates with most Hardware based Archiving Platforms, such as the EMC Celera, HDS HCAP, DataDomain and others.

Hardware requirements: Minimally, this could be run with a single 2 CPU, 2 GB Memory server with enough Disk to store the migrated file. However, an actual configuration would need to be based on the requirements.

Base cost: Pricing starts at \$8500 for 150 users.

Detailed specs: <http://www.commvault.com/products/archive.asp>

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Product Snapshot #6

[EMC Corp.](#); EmailXtender

Data classification: Classification rules engine can create collection or exclusion rules based on any property, context and/or content of the message supporting corporate file plans. Classification properties can also be derived from Active Directory according to employee address, full text query against the message, or custom properties assigned by partner applications or from other EMC products. Manual classification of messages can be done through User Directed Archiving (UDA) where users can drag and drop messages into specific folders with pre-defined properties and retention periods.

Data migration: Migrating old messages from Tier 1 storage in the production messaging environment to the archive which is on a lower-cost tier of storage. Customers have their choice of archiving platform, including Centera, EMC's

archiving storage platform. EmailXtender can archive to multiple sources at the same time, such as disk and tape, and can write to any device or network share that is Windows-accessible.

Litigation hold: Can hold content found during a discovery search by using UDA folders. These folders are part of the same centralized archive and allow customers to hold content for an indefinite time during an active litigation. UDA folders can be assigned to specific users and can store existing and future archived content. Copies of a message can be held in different UDA folders as needed.

Retention/deletion features: Can manage message retention in realtime based on classification rules engine. The archive is organized on the basis of folders, where classification rules and retention policies are applied. Folders are all deduplicated, full text indexed and compressed. EmailXtender supports disposition of messages and attachments on a time basis. Deletion of a message/attachment also includes deletion of the metadata tables and full-text index without requiring re-archiving for the whole archive. Deletion activities are part of the audit capabilities to prove policy execution.

Storage reduction features: Single instancing technology via a proprietary algorithm. Messages are single instanced via a unique message ID applied by EmailXtender using a hashing algorithm. EmailXtender identifies and removes duplicates regardless of source (e.g. public folders, PST/NSF files, multiple email servers). Compression is configurable and the average ratio is 50%. Also has a process called shortcutting where attachments and/or message bodies are replaced on the Domino or Exchange server by a pointer. The content is accessible whether online or offline.

Reporting and logging features: Five standard Audit templates included out of the box. Customers can create custom report templates using Crystal Reports. Audit reports can be printed or exported to a range of formats (e.g. PDF, XML, Excel, HTML). Allows customers to prove how their classification and retention policies are being executed by the archive. EmailXtender provides a number of logging options to track tasks executed by the system.

Encryption and security features: Customers may choose to encrypt the archive files as an option. Messages are stored as read-only so users cannot modify content within the archive. The use of Centera in compliance mode provides further assurance of content authenticity. Individual messages in the container file are stored in their native format to ensure compliance with SEC 17a-4. The ability to delete content from the archive is a centrally-controlled option.

Copies of content are produced from the archive but the original content remains in read-only format in the archive. EmailXtender preserves permissions from either native Active Directory (Exchange) or Domino. Any search performed for content that does not expressly belong to the searcher is audited, including subsequent actions (i.e. open, view, print, delete).

Metadata features: Stores all associated metadata of messages archived. A User Identity Mapping feature allows for custom metadata to be applied, such as an employee ID number. When a message is received, EmailXtender compares with the message with the mapping table to determine whether custom metadata should be applied. Search capabilities let admins search specific on the basis of this custom metadata, which is useful in a discovery search.

Scalability: There is no limit to the number of messages that EmailXtender can process. Some customers are managing several million messages per day and have archived several billion messages.

Top five management features: Search; indexing; monitoring and supervision; containerization; Personal Archive Ingestion

Archiving platform integration: Can write to any device or network share that is Windows-accessible; can archive to the platform of choice for each customer.

Hardware requirements: Runs on a standard Windows-based server and stores metadata in SQL Server.

Base cost: Licensed per mailbox. Pricing is tiered; list price of the product is roughly \$40.

Detailed specs: http://software.emc.com/products/product_family/emailxtender_family.htm

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Product Snapshot #7

[Fortiva Inc.](#); Fortiva Archiving Suite

Data classification: Customers can set retention policies or tag messages based on the content of messages/attachments, parties involved, file types and/or dates. Rules about end users or recipients can be also directly tied to Active Directory security groups or distribution lists.

Data migration: All data is stored on Fortiva's multitenant grid storage infrastructure. This means customers benefit from lower storage costs because the physical back-end hardware infrastructure is shared among many different customers. As a result, tiered storage is unnecessary.

Litigation hold: When a message is archived, it is assigned an appropriate retention period based on your policy. In the case of impending lawsuits, Fortiva allows you to define a Litigation hold folder for each matter and copy potentially relevant messages to that folder from a Web-based browser interface. These messages are retained indefinitely until the hold is released.

Retention/deletion features: Automatically retains email according to the retention period set out in the policy.

Disposition of email requires authorization from an approved user and can only take place once the email has reached the retention period set out in the policy.

Storage reduction features: These include compression and single-instance storage (deduplication) of content across messages.

Reporting and logging features: Fortiva maintains an unalterable audit trail of user activities, including page views, searches and exports. Reports are provided to help customers to assess email patterns and behavior, including risk assessment reports that summarize the source and nature of policy violations, overviews of storage growth requirements and email usage over time, and reports detailing the amount of email archived by user groups and

individuals.

Encryption and security features: DoubleBlind Encryption technology guarantees the security of customer data. When a message reaches the Fortiva appliance, it is encrypted before it is sent outside the customer firewall to the Fortiva network over a secure connection. Messages are only decrypted when an authorized user on the customer's network conducts a search from Outlook or from Fortiva's Web-based user interface, meaning that data can never be viewed without access to both the Fortiva appliance (within the customer's network) and the Fortiva data centers. Since the customer retains the sole copy of the encryption key, not even Fortiva's own staff can access the content of archived data.

Metadata features: All data is stored and exported in native format, including all metadata, such as name of sender, receivers, including blind copy recipients, and the sent. While Fortiva does not modify the actual messages in any way, additional metadata, including expanded distribution lists, the data of archiving and the appropriate retention policy, are recorded with each message. Digital fingerprints are generated and stored to verify the validity and accuracy of the data and archiving process.

Scalability: Can handle an unlimited amount of data for any given customer.

Top five management features: Direct integration with Active Directory; stubbing feature allows attachments in Exchange to be replaced with a link to the archive; realtime searching of data for e-discovery; easy-to-use, web-based policy and search interface; fully managed Software-as-a-Service (SaaS) solution can be easily managed by existing in-house messaging staff.

Archiving platform integration: Fortiva archives IM and Bloomberg email and IM data according to the same retention policies as email. This data can also be searched and supervised in the same way as archived email.

Hardware requirements: As SaaS solution, Fortiva procures and manages all hardware requirements. The Fortiva appliance integrates directly with Microsoft Exchange and Active Directory, and acts as a gateway to Fortiva's SaaS network.

Base cost: Not provided.

Detailed specs: <http://www.fortiva.com/compliance.html>

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Product Snapshot #8

Hewlett-Packard Co.; Integrated Archive Platform

Data classification: Yes, the system has the ability to migrate information or data based on a range of user-definable classifications or policies including keyword(s), phrases, file type file sizes, user(s), group or groups, to: and from:, date, time, and others. With the fully integrated distributed indexing capability that comes standard with every

Integrated Archive Platform base system, these classifications or metadata are indexed upon migration, then stored, and can be accessed using the powerful, native search capabilities and either saved or quarantined for future access.

Data migration: Yes, the product can automatically migrate 100s of TBs and billions of objects of data from a variety of primary application systems such as email, files, and database applications to a centralized archiving repository that can significantly reduce the cost of managing information and simplify compliance and e-Discovery requirements. Once the information is migrated to the centralized archiving platform it is fully content indexed and stored with a tamper-proof, digitally encrypted signature and timestamp for establishing retention periods at the object level. This stored information can now be quickly and easily searched in seconds with the platform's fully integrated WebUI search capabilities.

Litigation hold: Yes, litigation hold is supported in two important ways using the IAPs integrated information retention capabilities. The first is the ability to quarantine search results for an indefinite period of time and can be destroyed upon the conclusion of the litigation assuming the specific objects have exceeded their predetermined period for destruction. Using the native, integrated search which includes more advanced Complex Boolean, Fuzzy Word, and Proximity search capabilities, the results for a particular e-Discovery request can be quarantined for an indefinite period of time and assigned to a particular case. The second is the ability to cease all automatic destruction of information established by corporate governance or regulatory compliance requirements eliminating the potential exposure to spoliation of data which can result in fines or even sanctions of a legal dispute in litigation as defined in the Federal Rules of Civil Procedure (FRCP).

Retention/deletion features: Yes, the product has a full range of information retention and deletion features. Information retention periods can be set at the repository or user / group level as well as a global / enterprise retention period defined by corporate governance and/or regulatory compliance requirements. Once the object reaches its specified retention period as determined by its digitally encrypted time stamp, it is automatically deleted.

Storage reduction features: Yes, the product includes both compression and deduplication for improved storage efficiencies. The system has the ability to store one copy of an object and then establish reference pointers for multiple uses of that information object and once the object has been indexed and digitally signed, it is compressed for further improved storage efficiencies along with the deduplication capabilities.

Reporting and logging features: Yes, as the product is a fully integrated software and hardware solution that comes standard with its full featured Integrated Archive Platform Management software that has extensive reporting, notification and audit log capabilities which include performance, storage management, security, error and trouble spots, administrative, user search, change and access logging, remote replication monitoring, and many more.

Encryption and security features: Governance requires both physical and logical security, and HP Integrated Archive Platform delivers on both counts. The hardware components of the platform are based on customer-proven HP ProLiant server and StorageWorks storage technology, and the door to the rack has a real lock and key. All data and Smartcells

are physically mirrored for redundancy, and there is inter-platform replication option that enables archive data to be replicated from one platform to another. Data can be segregated within the platform, which is a key compliance requirement for Financial Services and Federal Government customers and managed service providers who want to host multiple customers on the same platform. The platform is also logically secure, with a built-in firewall, CRCs for all writes, audit trails for all actions, tamper protection (WORM on disk), secure access with Single Sign On for compliance/discovery personnel, data encryption, and unique digital signatures. The platform also protects the chain of custody from the moment data enters to the moment it is produced for immutability.

Metadata features: The system has the ability to migrate, index, digitally sign, and archive information based on a wide range of classifications and metadata associated to the object. The native indexing capability of the system allows information to be stored as original content and easily searched and retrieved based on the metadata either associated to the object by the application or by the migration policies.

Scalability: Scalability is core strength of the archiving solution which has the ability to scale from 2TB and several hundred users to 100s of TBs and 100K+ users and can store billions of objects of information without loss in performance. The platform's next-generation grid architecture with distributed indexing technology enables customers to search billions of stored objects in seconds, without the performance degradation that plagues non-grid-based solutions as these archives grow in size. The multi-dimensional scalability of the grid-architecture allows the system to be configured to meet the specific store, search, and application integration performance requirements of virtually any sized customer's current and future environment requirements.

Top five management features: The platform is a factory-integrated archiving solution that enables the enterprise to easily centralize information creating an easily managed, cost effective environment for electronic data discovery, governance and compliance. Incorporating HP's leading grid storage and server technologies, the platform includes native content indexing, search and policy management software. Additionally, the integrated platform ensures chain of custody for all information. Once the data is securely stored in the system, behind the firewall, the objects are remain in the secure and in the custody of the system where non-integrated systems have many points of access which can leave data exposed to tampering or deletion.

Archiving platform integration: Unlike competitive approaches, which require you to purchase email and file archiving client software, an application server, an operating system, indexing and search software, and content-addressable storage, and then consulting services to glue it all together, HP packages all the necessary hardware and software in a single, factory-integrated and tested rack system. And since it's all backed by HP service and support, you won't have to wonder who to call if you have a problem.

Hardware requirements: None, HP packages all the necessary hardware and software in a single, factory-integrated and tested rack system.

Base cost: The base system cost is \$71K (US List) which includes the fully factory integrated software, hardware,

storage platform, highly scalable grid architecture, comprehensive Archive Platform Management software, and fully integrated, high speed WebUI search capabilities.

Detailed specs: <http://h18006.www1.hp.com/products/storage/software/fma/index.html>

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Product Snapshot #9

IBM; DB2 Content Manager

Product details not available.

Detailed specs: <http://www-306.ibm.com/software/data/cm/cmgr/mp/>

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Product Snapshot #10

Jatheon Technologies, Inc.; Plug n Comply Product Family - SMB & Enterprise

Data classification: Data classification is user-definable and flexible with our PnC index, search and policy capabilities.

Data migration: Migration and ingestion of existing customer data is done by the appliance from files in either pst or eml format. Using the optional Jatheon pst crawler, searches for local pst files are done, then imported and ingested into the appliance for archiving and searching.

Litigation hold: Rules are created in the appliance relevant to users, records or determined subject matter. At that stage timelines can be established to determine how long these records are kept in the event of an e-discovery process.

Records can be kept indefinitely independent of the expunge date set for the appliance.

Retention/deletion features: Product supports a multiple expunge date feature, which is triggered by the creation of rules.

Storage reduction features: Jatheon data compression techniques enable us to get up to a 10:1 data storage on our appliance. Some methods used to achieve this compression are compression, unique indexing techniques and Single Instance Storage (SIS).

Reporting and logging features: Product has detailed reports and a complete audit trail (logging) of user activities in the system.

Encryption and security features: Ability to encrypt and decrypt messages based on several encryption technologies, including PGP and Entrust. We use a 'master key' approach to encryption and decryption: When the key is required, a request is sent to use the key and then when completed the session ends.

Metadata features: Metadata is captured for all email stored in the archive and is used in performing searches. All the

information in the To, From, Cc and Bcc fields is mined and archived.

Scalability: Only limitation is the storage space on the appliance deployed. Our appliances range in raw storage from 640 GB to 16 TB of uncompressed storage (equates to 4 TB to 90 TB of virtual storage capacity). This is enabled by the compression and indexing techniques in the appliance.

Top five management features: Saved searches; policy management; adding comments to e-mails; predefined search queries; e-mail assignment

Archiving platform integration: Benefit of Jatheon's appliance-based approach is that there are no dependencies on a customer's email platform.

Hardware requirements: None. All Jatheon appliances are full turnkey products that include all software, hardware and storage.

Base cost: \$4,995.

Detailed specs: http://www.jatheon.com/_products/pnc3000.php

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Product Snapshot #11

[Mathon Systems Inc.](#); Integral Product Suite

Data classification: Built-in full-text indexing for keyword search supports end-user taxonomy creation and meta-tagging. An additional tagging API allows for the integration of external classification. Metadata extraction on many files such as MS Office, HTML, PDF, etc., automatically tags files with meta-tags that are searchable and reportable.

Data migration: Not available

Litigation hold: Mathon supports both the "freezing" of files which preserves the file in perpetuity (e.g., the file becomes non-changeable and the operation is non-revocable) and a hold operation that tags and preserves the file for an indeterminate amount of time. The hold operation can be revoked.

Retention/deletion features: A retention policy will be included in version 2.1, which is scheduled for delivery in February 2008.

Storage reduction features: Automatically creates for each file multiple hash-codes – an exact-duplicate hash (metadata + content) and a content-only hash. A duplicate report can be generated to find both types of duplicate files, which can then be used to delete the duplicate files.

Reporting and logging features: Captures the detail ("who, what, where and when") of unstructured data operations, such as creates, reads, updates, deletes, browses, permission and meta-data changes, moves and copies. These operations are logged into the Mathon Journal data warehouse, and combined with our full-text indexes, are used for extensive search and reporting. Built-in reports include: File Activity, User Activity, Duplication, Permissions, Chinese

wall, Matter Preservation and Trail-of-Custody.

Encryption and security features: Search and report operations adhere to appropriate security rights so that a user can only search and report on their access in the organization. Because Integral operates as a proxy, it does not interfere with any encryption algorithms used in the organization.

Metadata features: Four categories of metadata: systematic, operational, genealogy and user. If files are moved off Integral and into an archiving platform, such as Centera or Archivas, this metadata can be preserved using the XAM standard. Integral uses these tags for searching, analyzing, controlling and reporting.

Scalability: Each Integral appliance supports up to 10 million documents. Multiple appliances can be installed, providing linear scalability.

Top five management features: Transforms your current file system into an event-driven file system and keeps it operating in a continuous state of e-Discovery Readiness; real-time proxy architecture provides audit and control without requiring a change in user behavior; leverages existing NAS/SAN storage network so that data is not stored in yet another repository; supports primary, backup and DR architectures and integrates with standard SNMP network administration tools for enterprise manageability and 99.999% availability; intuitive end-user search and analysis tool geared for legal and compliance personnel.

Archiving platform integration: While no built-in archiving APIs are provided, Integral is a fully CIFS-compliant storage proxy. All existing vendor archive tools that move data off a standard NAS and into an archive platform should work with Integral.

Hardware requirements: None; Mathon Integral and Journal are sold as self-contained network appliances.

Base cost: Pricing for pilot deployments starts at \$10,000. Production deployments are priced from \$80,000.

Detailed specs: <http://www.mathon.com/page.php?pg=pc>

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Product Snapshot #12

MessageSolution, Inc.; Enterprise Email Archive

Data classification: Allows for user-defined content-based categorization and tagging of email.

Data migration: Company-defined policies such as litigation hold, age and size are applied to capture of all inbound, outbound and internal messages. Large, older items can be stubbed; these messages and attachments are available from users' email clients, while the bulk is saved on the archive server. Injections of mail from other platforms, like Kerio, SendMail, PostFix, etc. PST migration tool detects PSTs from a local folder or network location and imports candidate files for centralized management.

Litigation hold: Set emails to be placed on litigation hold that are responsive to user-defined queries. Litigation hold

items can be accessed through a list-view of all active litigation holds, and can be easily viewed through global search.

Retention/deletion features: Archived data can be scheduled to be moved to secondary storage (other than the primary archive storage) and permanently purged from the archive based on the preferred retention policy. Emails on the email server can also be deleted based on retention policy. Retention policy can be configured for individual users and for groups of users. Users can choose to keep specific emails for a specified period of time or indefinitely.

Storage reduction features: Multiple instances of emails and attachments are deduplicated. Additionally, stubbing decreases email server data stores while allowing users to retain near-immediate access to emails and attachments from their email client, while the message bulk is stored in the archiving solution. All data is stored in a compressed format as it hits the archiving server repositories.

Reporting and logging features: Provides logs of all activities performed in the archive, such as access, search, view and restore functions. Search Log allows users to view search history and repeat searches. Archive log monitors archiving functions and storage space each user's data occupies in the archive. Users can create ad-hoc versions of user-definable common reports.

Encryption and security features: Archived emails are not stored in plain text but in binary format so users are not able to view or edit the emails by opening up the archived data. Permission to functionalities can be given and revoked by the archive's administrator. Users are allowed to only view messages associated with that user's mailbox. All messages are compared to a hash code as they are stored and retrieved to ensure message integrity and security.

Metadata features: All email-related metadata such as sender, recipients, subject, size, date and hash value are captured, indexed and kept in the archive. **Scalability:** EEA offers limitless upgradability or expandability of archiving repositories. EEA allows for a distributed model to assist environments deploy an archiving solution globally. In global models, federated searches across multiple EEAs will allow for ease of global archive message access.

Top five management features: Granular access controls allow enterprises to leverage corporate email policy. PST importation centralizes corporate intelligence for improved knowledge management. Ample storage space eliminates the need for inbox quotas and PST creation. Litigation hold ensures retention of all relevant emails, while comprehensive search features and simple usability allow legal counsel to perform e-discovery without technical support.

Archiving platform integration: OS Platform: Windows 2000, 2003, 2007 Server, Redhat Linux 3.x, SuSE Linux 9.x, Solaris 8.x, Virtual Serve

Email Server Platform: Exchange 5.5, 2000, 2003, 2007, Domino 6.5, 7.0, 8.0, GroupWise 7.x, Kerio, Sendmail, PostFix, Imail, Qmail, Zimbra, etc.

Client Integration: Microsoft Outlook, Lotus Notes Domino

Hardware requirements: RAM requirement (top priority): 2-4 GB; Hard disk requirement guidelines (middle priority):

At least 6 GB for the software install (5 GB for buffer files), 50% of current information store size plus considerations for daily volume, growth rate, retention policy. CPU requirement guidelines (lowest priority): Best practice is same family/series of processor in email server, but does not require as much as much CPU speed/frequency. Depending on environment, minimum requirements are Pentium IV 2.0GHz.

Base cost: For an organization with 1,000 mailboxes, the base price is approximately \$25,000, with upgrade features available.

Detailed specs: http://www.messagesolution.com/email_archiving.htm

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Product Snapshot #13

[Mimosa Systems, Inc.](#); NearPoint for Microsoft Exchange

Data classification: Not provided

Data migration: Migration is performed using Exchange tools. NearPoint does not physically move the email during the migration.

Litigation hold: Two methods of Litigation hold. 1) In the NearPoint Administration console, the admin can put a Litigation hold on individual mailboxes. 2) In the NearPoint eDiscovery Option, legal reviewers can put Litigation holds on individual messages.

Retention/deletion features: Can be configured by mailbox, by mailbox folder and by message class. Once retention policies are configured and applied to the right mailboxes, they are managed automatically by NearPoint. NearPoint manages retention for all mailbox contents including email, calendar items, contacts, notes, tasks, etc.

Storage reduction features: Manages storage on the Exchange Server by policy (age/size and watermark) to remove attachments and thereby reduce store size. The Mimosa Mailbox Extension feature performs the attachment "stubbing" and does so without any client footprint and no residual data on the Exchange Server.

Reporting and logging features: NearPoint provides as standard full reporting of all archival activity and jobs with both detailed and summary reports. Reports are delivered online or via email. Audit reporting is also available to record all activity on the Administration console and all search and discovery activity performed by end users and auditors.

Encryption and security features: NearPoint leverages all the native Windows 2003 Server security features to protect its file system (archive) data. Product is also tightly integrated with Active Directory and Exchange Server and adheres to all user policy and security settings using the existing user credentials. NearPoint is engineered to integrate with third-party encryption.

Metadata features: Captures 100% email information from the Exchange stores by capturing the Exchange Transaction Log Files in real-time. Full metadata is stored in the archive and is available for search and discovery. This allows for

search by item history and conversation ID.

Scalability: Grid-style architecture scales to hundreds of thousands of mailboxes. Server nodes can be added while the system is running to increase performance and capacity. Server nodes are protected with fault tolerance, load balancing and real-time monitoring.

Top five management features: No journaling; full mailbox capture; complete e-mail discovery; Exchange recovery and DR; easy deployment.

Archiving platform integration: Integrates with Exchange, AD, SQL and LCS, but no other archive servers.

Hardware requirements: Windows 2003 Server for the NearPoint Server, Microsoft SQL 2000/2005 database, and Windows storage (SATA, SAS, iSCSI, DAS, SAN).

Base cost: Priced per mailbox in 50-mailbox increments. Discounts based on number of mailboxes purchased. Support and maintenance is sold on a annual subscription for 20% of the cost of the software.

Detailed specs: http://www.mimosasystems.com/html/prod_overview.htm

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Product Snapshot #14

Njini; Information Asset Management suite

Data classification: Classification of unstructured data files and performance of complex policy rules and rule-based actions are performed in realtime at their point of creation.

Data migration: Njini enables legacy systems and data to be migrated quickly and easily, without changing file attributes such as "last accessed" or the need to modify file Access Control Lists. This feature includes the ability to combine the classification of data (such as Office files) with the file migration process.

Litigation hold: Permits realtime file freezing, quarantining of files and active auditing, giving the system administrator the ability to manage files that are flagged for legal or regulatory purposes.

Retention/deletion features: Files can be replicated based on their business value or purpose. Files may be purged based on their policy criteria (for example, forbidden file types are not directed to any storage tier and actively alerted to the system admin). In addition, files are actively classified and directed to the appropriate storage tier. Users can also actively retrieve files that they have accidentally misplaced or deleted, giving them some level of autonomous control over their own stored files.

Storage reduction features: Not provided

Reporting and logging features: Provides data classification and data management reporting in realtime, along with active auditing of files at their time and point of creation.

Encryption and security features: Security features based on file granularity and policies set to individual file types,

user, etc. A combination of applications provide quarantining of files, active alerts to the system admin, classification in real time and active file screening and active auditing, purging and file filtering are among several technologies allowing for comprehensive control at the file level.

Metadata features: Combines simple metadata and extended file metadata (file content) with metadata extracted from other sources for use within Njini's realtime policy engine.

Scalability: Product provides in-line and realtime management without scalability restrictions.

Top five management features: Intelligent file placement; dynamic storage tiering; capacity balancing and overflow management; transparent data migration; policy-modeling capabilities.

Archiving platform integration: Since our technology manages files at the point of creation, we are transparent to archive platform type.

Hardware requirements: Can be implemented on standard server platforms.

Base cost: Not provided.

Detailed specs: <http://www.njini.com/products/overview.htm>

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Product Snapshot #15

[Open Text Corp.](#); Livelink ECM Email Management for Microsoft Exchange

Data classification: Supports both automated and interactive data classification. Users can select a record classification from a picklist. Classification can be inherited by messages as they are filed into specific folders in the Outlook interface. Messages can be archived and assigned classifications automatically based on criteria such as date, size, contents, etc. using the native journaling capability in Exchange. The level of interactive classification functionality exposed to users is fully configurable.

Data migration: Open Text archiving allows for the context of the content to determine the appropriate storage location. For example, messages identified as relevant to a particular regulation can be archived to a non-rewritable storage media if appropriate.

Litigation hold: Enables individual messages or entire classifications of record to be put on hold. Multiple legal holds can be concurrently applied to archived emails. Retention and disposition schedules are suspended until all legal holds are removed. A complete audit trail of who assigned and removed holds is maintained. Holds can be applied on a per-user basis, including all past and future messages.

Retention/deletion features: Retention and disposition is supported based on policy mandated by assigned record classification. Structured retention and disposition management lets records managers determine how long emails are kept, define and enforce the process by which they are archived, and ensure their eventual destruction. Disposition

reports can be sent to appropriate records managers, who can then confirm or delay disposition. Disposition on massive volumes of records can be configured to occur automatically.

Storage reduction features: Includes single instance archiving technology that ensures attachments are only stored in the archive once regardless of how many times a message itself is sent or received within the infrastructure. Compression can be performed automatically on all archived message content (typically a 2:1 compression rate).

Reporting and logging features: Audit trails retain a complete record of what actions are performed on records, including deletion. What records management metadata is included in audit trail can be specified.

Encryption and security features: Checksums are used to recognize and reveal unwanted modifications to the documents on their way through the archive. When clients archive or display documents, checksums identify whether transmission was complete and error-free. Integrity is secured with the help of signed timestamps. Timestamps ensure that document components can no longer be modified unnoticed after they have been archived. Users can be restricted from deleted archived emails as appropriate.

Metadata features: Record metadata identifies to which policies an email message relates, any special storage methodologies which should be applied (high availability, etc), how long message should be retained, what should occur at each phase in its lifecycle, etc. Users can add custom metadata to archived emails—administrators configure metadata (such as "Department"), and users can be required to provide input (or provided with the option).

Scalability: Not provided

Top five management features: Support for discovery and litigation management requirements; support for multiple classification modes; can be deployed with no installation on the mail server or clients required; integrated full text search; integrated archiving and records management.

Archiving platform integration: Integrated with Open Text's own archiving platform, Livelink ECM – Archive Server

Hardware requirements: Can run on any of Windows Server 2000 and 2003, Solaris 8 and 9, HP-UX 11i or Linux SuSE SLES 9 (32-bit x86).

Base cost: Not provided.

Detailed specs: <http://www.opentext.com/2/sol-products/sol-pro-email/pro-ll-emailmgmt-msexchange-email.htm>

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Product Snapshot #16

[Orchestria Corp.](#); Orchestria Intelligent Compliance v5.0

Data classification: Classification policies analyze files, messages and even Web activity in multiple dimensions (header, body and attachment content for messages, and all properties and content in standalone files). Both positive and negative identification criteria are used to intelligently "score" data to determine how it should be classified.

Orchestria can assign multiple classifications to a single object. Product also offers many prebuilt classification policies, including privileged communication, trusted authors, encrypted content, executive communication and even medical records.

Data migration: Not provided. However, the classification provided can be used to store and migrate data between other systems.

Litigation hold: Supports policy-based culling for collected documents, internal case analysis, realtime collection and realtime discussion prevention. Once the Orchestria components of the process are complete, data can be exported for use by a case management system, for functions, such as hosting and redacting.

Retention/deletion features: Classifications assigned by Orchestria can be used to manage retention in a third-party storage system, such as a message archive. Analysis can be used to set the expiry date field, or even the "do not delete" field that, when selected, serves to indefinitely retain an object and its associated metadata. The expiry date can be set automatically based on the classification that Orchestria automatically may assign to a record or object. Once an object passes its expiration date, automated purge jobs can remove it and all associated metadata from the system.

Storage reduction features: Offers message and file deduplication to assist with reducing storage requirements. Objects stored can also be optionally compressed.

Reporting and logging features: Provides standard, out-of-the-box reports for trending and usage analysis for compliance officers, administrators and supervisors. A user of the Web-based Orchestria iConsole can select parameters for running reports, such as running a report for different user groups or date ranges. iConsole can create and access custom reports, as well as use and modify the out-of-the-box reports. Third-party BI tools can be used for reporting purposes by pointing at the Orchestria database. Logging capabilities include activity, system, replication, infrastructure and captured data logs. Customers customize the logging capabilities and use Perfmon or NetIQ to extract and report from log files.

Encryption and security features: With optional encryption, all captured objects are immediately encrypted as they are stored. Orchestria also encrypts all data within the system during transmission between components, including the Orchestria Central Management Server. Access to all records is controlled via Orchestria user authentication or optionally via Windows Authentication. All users are assigned roles and permissions that dictate what users can view or do when logged into the system. Objects are decrypted and presented only to authenticated users with suitable access rights.

Metadata features: Stores metadata for all objects in the system, including sender, recipient, author, date range, classification, reviewer, audit status, all audit or review actions and comments, type (file, email, Web, IM), presence of attachment, header fields, file properties and even company-specific fields. All metadata in the system can be used for searching and reporting. Orchestria stores metadata for objects monitored, analyzed and captured by the system.

Orchestria does not directly add metadata to the objects themselves.

Scalability: Can scale to monitor and analyze millions of records (files, messages) per day. One customer stores over a billion records in the system.

Top five management features: Supervision, reporting, audit trails and realtime policy enforcement.

Archiving platform integration: Orchestria integrates with archive solutions from vendors such as Symantec, IBM, EMC and Zantaz.

Hardware requirements: Central Management Server is typically a 4-CPU Wintel server with 2-4 GB of memory and SCSI disks. Policy Engine server typically is a dual-CPU Wintel server with 2-4 GB and SCSI disks. For data stored in Orchestria, a database server and SAN or NAS devices are required.

Base cost: Orchestria is licensed by end user. Per-user pricing can start at \$50, depending on options.

Detailed specs: http://www.orchestria.com/solutions/intelligent_compliance/

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Product Snapshot #17

[Symantec Corp.](#); Enterprise Vault

Data classification: Allows for manual classification, user-driven classification and automatic classification. Enterprise Vault Automatic Classification Engine (ACE) software extends the existing capabilities of Enterprise Vault to include content-based categorization and tagging of email. Specifically, automated classification enables Enterprise Vault to apply rules to email and categorize messages according to content or context.

Data migration: Enterprise Vault acts as an online archive for items moved from primary application storage (for example, Exchange Server) according to company-defined policies such as content, age size, etc. The online archive also enables organizations to rationalize their storage resources and dedicate primary storage to dynamic and transactional data. Older, less frequently accessed content can be moved to a secondary or tertiary storage device.

Litigation hold: Enterprise Vault Discovery Accelerator supports multiple, overlapping legal holds. User can automatically apply legal holds against email or files relevant to a case or multiple cases to ensure they will not be deleted. The system will automatically run scheduled searches to add any new content to the hold. Once the case is closed, users or admins can quickly release all holds on a case-by-case basis and allow documents to revert to their originally scheduled deletion dates.

Retention/deletion features: Archives data according to policy for a specified period of time. After that retention period has come due, the data is expired and deleted from the archive according to policy. Data that is under legal hold at the time of scheduled expiry will be retained until the legal hold is lifted whereupon the original expiry policy will resume.

Storage reduction features: Enterprise Vault allows you to move historical information based on business policy from your primary email and file systems to more appropriate storage systems for long-term managed retention.

Reporting and logging features: Supports complete logging and chain of custody reporting on items in the archive as well as items under legal hold, searches and review. Also provides proactive monitoring of email communication between individuals and groups using compliance Accelerator. Structured review processes can be put in place to search, sample and review archived email according to compliance policies. The whole process is tracked, and extensive reporting demonstrates adherence to corporate and regulatory compliance policies.

Encryption and security features: Supports the searching and indexing of encrypted content with support from Microsoft Rights Management Server, Entrust and Liquid Machines.

Metadata features: Not provided

Scalability: Unlimited; customers today are archiving more than 6 million email messages a day and have over a billion items in their archive.

Top five management features: Eliminate mailbox quotas and message size restrictions to prevent underground archiving of data by employees; eliminate PSTs and reduce storage requirements to minimize litigation risk; simplify retention and enable discovery by archiving data according to retention policy;

Archiving platform integration: Enterprise Vault is an open archiving platform with open APIs.

Hardware requirements: See [Enterprise Vault compatibility charts](#)

Base cost: Not provided.

Detailed specs:

http://www.symantec.com/business/products/overview.jsp;jsessionid=EF59E42DAF213E810DF11F0D037A81EE?pcid=1028&pvid=322_1

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Product Snapshot #18

[Waterford Technologies](#); MailMeter Storage Manager

Product details not available.

Detailed specs: <http://www.waterfordtechnologies.com/solutions/solStorage.asp>

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Product Snapshot #19

[Xiotech Corp.](#); CEMS

Data classification: Can classify documents (emails and files) as they are captured or manually uploaded by users.

Classification can be based on the captured metadata and/or contents of the captured email or file. Documents can be

classified into one or more categories, an important feature for compliance and litigation support. CEMS supports the ability to add new classifications on previously captured documents.

Data migration: This appliance-based archive solution includes a SAN with multi-tiered storage. The multi-tiered SAN is used to save the captured data. Auto migration of data is not yet available, but will be.

Litigation hold: Supports global holds, which put Litigation hold on all documents in the archive, or fine-grain holds, which put a hold on documents in a user-defined document "collection." Multiple holds can be placed on a document. Once a document is on hold, retention policies for that document are disabled until all holds are removed. Having executed a fine-grained hold order, a global hold can then be removed. Only documents on hold will be removed from normal deletion cycles.

Retention/deletion features: Document retention policies can be based on document classification, relationship among documents or any metadata about the document. Once the retention period expires, CEMS will either delete the document or raise a notification for approval. The only way to delete a document is by retention policies. A detailed audit log can be used to show chain of custody during evidence production.

Storage reduction features: Supports deduplication of captured documents across all captured emails, attachments and files. The metadata unique to all instances of an identical document (file name, email parent for an attachment, any classifications) are preserved for classification, document search, showing chain of custody and production.

Reporting and logging features: Preserves documents as evidence, then records all activity on that document by users to preserve the chain of custody. Audit logs are maintained for captured documents; every action on a document from the time of its capture is logged. The integrated log viewer allows users with proper authorization to search and view log entries, and export them to a comma-separated file. CEMS reports statistics like the number of documents captured, maintains user-based work-queues and can be configured to send policy notifications.

Encryption and security features: This locked-down appliance supports role-based authentication and authorization. Users are assigned roles, which are mapped to the function they can perform. Each action in CEMS is authorized before execution. Audit logs cannot be altered. CEMS monitors and maintains information to detect tampering attempts. The database and file systems on the appliance are automatically backed up. Xiotech provides disaster recovery software or services should the client wish to add off-site backups.

Metadata features: Supports an infinitely scalable metadata model. Metadata can be added by the system, by policies (classification) or by users. The system extracts the intrinsic and extrinsic (contextual) metadata from the captured document (email or files). Textual content of messages and attachments are indexed in a full-text index. A CEMS policy can potentially add one or more metadata elements to the document (the classification). Users with proper authorization can add user-defined metadata to a document.

Scalability: CEMS is deployed as a pre-packaged appliance with servers and storage and can be scaled by adding servers or storage. Maximum preconfigured appliance has 7.5 TB of document (emails and files) storage after overhead

like RAID, backups, temporary space, logs and indexes. The included SAN makes it possible to scale the storage limit as required. The CEMS application does not have a hard limit on the growth of the document space.

Top five management features: Auto detection and notification of policy violations; dynamic collections; capture interfaces; and ZIP/PST import.

Archiving platform integration: CEMS is an archiving platform and provides easy interfaces to collect email and files from other platforms. A browser-based interface to search and restore emails is provided. File restores are planned in a future release.

Hardware requirements: CEMS is a standalone appliance rack with servers, storage, switches, software licenses, implementation services and service for one year included.

Base cost: Starts at around \$100K for the email archiving package with 2 TB of document space (after overhead of RAID, etc).

Detailed specs: http://www.xiotech.com/Products-and-Services_Evidence-Management.aspx

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August 29, 2008

Link: <http://internetcommunications.tmcnet.com/topics/enterprise/articles/38387-messagesolution-enterprise-e-mail-archive-offers-optimum-exchange.htm>

Enterprise Featured Article

August 29, 2008

MessageSolution Enterprise E-mail Archive Offers Optimum Exchange Archiving



By **Shamila Janakiraman**

TMCnet Contributing Editor

MessageSolution ([News - Alert](#)) has announced that MessageSolution Enterprise E-mail Archive has been recognized by MExchange.org for its Exchange Archiving. Enterprise E-mail Archive is an on-site software solution which supports Microsoft ([News - Alert](#)) Exchange server versions 5.5 through 2007.

The MExchange.org Web site is visited by Microsoft Exchange Server professionals and provides end-users with transparent Outlook client and Outlook Web Access integration besides off line and mobile archive access options.

“We’re very excited and honored that our customers have enthusiastically rated MessageSolution Enterprise E-mail Archive the best Exchange archiving solution on MExchange.org,” said MessageSolution CTO, Jeff Liang.

MessageSolution Enterprise E-mail Archive was developed by the company for dealing with three reasons businesses archive e-mail: e-mail storage management, regulatory compliance and litigation support. Enterprise E-mail Archive is both cost-effective and saves a lot of time on installation and support process.



“MessageSolution revolutionized the email archiving industry by introducing a product engineered with the unique ability to be supported entirely from remote support centers,” explained Liang.

Other vendors require their customers to pay for engineers to install and configure their solution on-site; MessageSolution eliminates that unnecessary cost for customers.

MessageSolution Enterprise E-mail and File Archive can also be maintained online, which saves money on financial and human resources.

MessageSolution Enterprise E-mail Archive for Exchange Server has been selected by many enterprise-level organizations including a Top 100 U.S. furniture retail chain, an educational council in the UK, a corporate office supplier in Canada and a university in Southeast Asia.

MessageSolution provides e-mail, file and instant message archiving, electronic discovery, compliance and content storage management. It helps organizations in avoiding risk, reducing costs and storage requirements and optimizing server performance and is compliant with industry and federal regulations.

The company’s Enterprise E-mail Archive and Enterprise File Archive are cross-server onsite archiving software applications. These products are preferred by organizations in - industries like finance, healthcare, education, manufacturing, government agencies and non-profit organizations worldwide.

The products exhibit efficient performance, ease of use, quick implementation and sub-second data retrieval besides intuitiveness and ease of maintenance. Technical support calls are also reduced, as well as installation and back up time.

MessageSolution Enterprise E-mail Archive manages petabytes of data daily and its built-in search engine offers electronic discovery and litigation support. Users can access their archive through e-mail client, browser or BlackBerry ([News - Alert](#)).

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Shamila Janakiraman is a contributing editor for TMCnet. To read more of Shamila’s articles, please visit her [columnist page](#).

Edited by [Michelle Robart](#)

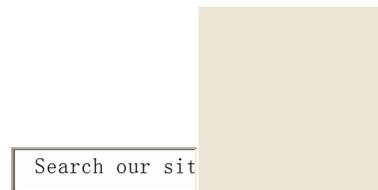
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August 4 2008

Link: <http://www.webcpa.com/article.cfm?articleid=28600>



Advanced



New Products

(Aug. 4, 2008)

By WebCPA Staff

Software & Equipment

WHERE CREDIT IS DUE

We here at New Products once wore lab coats to work every day for a year, under the assumption that that would qualify any work we did for the research and development tax credit. (We were mistaken.) If you and your clients want to approach the R&D credit in a more scientific manner, try Research Credit Group's CrediTrak, which calculates, analyzes, documents and supports R&D credit claims. The Web-based software lets you gather all the relevant information in one place, and allows you to approach the IRS with confidence. Take it from us that this is invaluable: After our year in lab coats, we then spent a year in orange jumpsuits.

www.rcginc.com

INTUIT TO THE RESCUE

In one of the more interesting responses to the staffing crisis, software vendor Intuit has created the Intuit Work Exchange. Currently in an introductory version, the online resource allows accountants to post jobs and positions that need filling and excess work that needs doing -- or their own qualifications for the same -- so firms can more easily and efficiently hire contractors.

Separately, the vendor announced its new Intuit Document Management for QuickBooks Accounting, a full-featured DM system for accountants and clients using the popular accounting software.

www.workexchange.intuit.com

STOP LAUGHING!

The old saying, "If you want to make God laugh, tell him your plans," didn't count on business planning and scenario analysis software like Whitebirch Planning. Available in Web-based and on-premise editions, it lets users import historical accounting information, build dynamic budgets, and create unlimited alternative scenarios based on the same set of data, with changes to the underlying assumptions updated to all the scenarios you've created. And so God will be less likely to laugh than to say, "Hmm. I see you've really thought this through"

www.whitebirchsoftware.com

TECH ADVICE

Few things are more aggravating than a client who refuses your advice, and then follows exactly the same advice from another person. Your best bet is to make sure that the other advice-giver isn't an idiot. To that end, consider Technology Group International's Software Selection Tool Kit, a set of templates and worksheets that help manufacturing and distribution companies choose enterprise-level software. The recently upgraded tool kit guides companies through evaluation, budgeting, calculating the potential return on a software project, and much more. It's free for companies, can also be used by qualified independent consultants, and is far better than leaving your advice-deaf clients to consult their golf buddies, bartenders and pets.

www.tgilt.com

NEW AND IMPROVED!

Financial-close automation vendor BlackLine Systems announced the release of an adapter to allow users of Oracle's Hyperion Financial Data Quality Management to move data into BlackLine's balance sheet account reconciliation module. ... CCH has added Knowledge-Based Audits of Not-for-Profit Entities to its Knowledge Tools library for its ProSystem fx Engagement product and its Accounting Research Manager platform. ... Kodak and Marex Group have integrated the Kodak Scan Station 120EX with Marex's FileBound software to scan documents directly to document management systems and automatically start workflow processes and notifications. ... **MessageSolution Inc. has released Version 5.6 of its Enterprise Email Archive with new tools for drill-down analysis, reporting and litigation support.**

Byte and Switch**March 20, 2008**Link: http://www.byteandswitch.com/document.asp?doc_id=148867

AUGUST 29, 2008

**Bill Gates
On Cloud
Storage**

AUGUST 12, 2008

**Poll:
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Spending ...**

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**Opinion:
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Guide 2**Powered By
InformationWeek
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March 20, 2008

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MessageSolution Bows Archive

MessageSolution launches 'Enterprise Email Archive' for Novell GroupWise server at BrainShare; first to support top 3 Email servers in market

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SALT LAKE CITY -- MessageSolution, Inc., the leading innovator in email and file archiving, electronic discovery, information retention, storage management, email compliance and litigation support, launched MessageSolution Enterprise Email Archive for GroupWise Server at Novell BrainShare 2008, making Enterprise Email Archive the first and only archiving solution to support all three best-selling enterprise email servers.

"Since the release of Enterprise Email Archive for GroupWise was announced in February, the product's demonstrations have received extremely positive responses from prospective GroupWise edition customers," said MessageSolution's CTO and product architect, Jeff Liang. "This proves that an archiving solution with universal multi-server compatibility is in high demand."

www.MessageSolution.com
Global Archiving/e-Discovery

[MessageSolution Inc.](#)

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March 21, 2008

LINK: <http://blocksandfiles.com/article/4459>

Blocks and Files - Windows Internet Explorer

http://blocksandfiles.com/article/4459

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Virtual to Physical?

Releases

MessageSolution™ Launches Enterprise Email Archive™ for Novell GroupWise Server at Brai

posted on 21 March 2008 18:00

First to Support Top Three Email Servers in Market

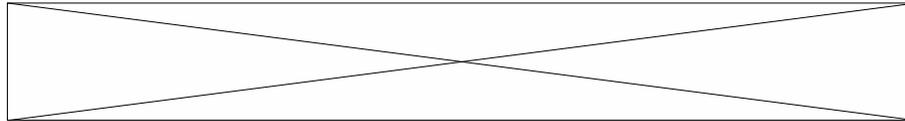
Salt Lake City, UT (Novell BrainShare), March 18, 2008 -- MessageSolution, Inc., the leading innovator in em: discovery, information retention, storage management, email compliance and litigation support, launched Mes Archive™ for GroupWise Server at Novell BrainShare 2008, making Enterprise Email Archive™ the first and onl three best-selling enterprise email servers.

"Since the release of Enterprise Email Archive™ for GroupWise was announced in February, the product's dem

Backup Review

August 28, 2008

LINK: <http://www.backupreview.info/2008/08/28/messagesolution-enterprise-email-archive%E2%84%A2-wins-msexchangeorg-readers-choice-award-for-exchange-archiving/>



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MessageSolution Enterprise Email Archive™ Wins MExchange.org Readers' Choice Award for Exchange Archiving

28 AUG 2008

MessageSolution, Inc., the leading innovator and provider of email and file archiving for electronic discovery, litigation support, compliance, and storage management, today announced that MessageSolution Enterprise Email Archive has won MExchange.org's prestigious Readers' Choice Award for Exchange Archiving. Enterprise Email Archive is an on-site software solution that supports Microsoft Exchange server versions 5.5 through 2007.

Milpitas, CA (PRWEB) August 28, 2008 — MessageSolution, Inc., the leading innovator and provider of email and file archiving for electronic discovery, litigation support, compliance, and storage management, today announced that MessageSolution Enterprise Email Archive has won MExchange.org's prestigious [Readers' Choice Award for Exchange Archiving](#).

The MExchange.org web site is frequented by Microsoft Exchange Server professionals. According to MExchange.org, "The awards draw a huge response per category and are based entirely on the

MessageSolution™

www.MessageSolution.com
Global Archiving/e-Discovery

visitors' votes." Once a year, the results are tallied and a Readers' Choice Award winner in each category is declared.

MessageSolution Enterprise Email Archive, this year's Exchange Archiving category winner, is an on-site software solution that supports Microsoft Exchange server versions 5.5 through 2007. Enterprise Email Archive provides end-users with transparent Outlook client and Outlook Web Access integration, along with off line and mobile archive access options.

"We're very excited and honored that our customers have enthusiastically rated MessageSolution Enterprise Email Archive the [best Exchange archiving solution](#) on MExchange.org," said MessageSolution CTO Jeff Liang. "This award means a lot to us, because it's a testament to our success in adhering to our 'Customer-Driven' philosophy."

MessageSolution Enterprise Email Archive was developed entirely in-house to address all three of the primary reasons businesses archive email: [email storage management](#), [regulatory compliance](#), and [litigation support](#). While Enterprise Email Archive offers a comprehensive array of features and functions, what sets Enterprise Email Archive apart is the product's cost-reducing and time-saving installation and support process.

"MessageSolution revolutionized the email archiving industry by introducing a product engineered with the unique ability to be supported entirely from remote support centers," explained Liang. "While other vendors require their customers to pay for engineers to install and configure their solution on-site, MessageSolution eliminates that unnecessary cost for our customers. MessageSolution Enterprise Email and File Archive can also be maintained online, which saves our customers' financial and human resources in the long run."

MessageSolution Enterprise Email Archive for Exchange Server was recently chosen by many world-class enterprise-level organizations, including a top 100 U.S. furniture retail chain, the largest educational council in the United Kingdom, the largest corporate office suppliers in Canada, and the largest university in Southeast Asia.

The MExchange.org Readers' Trust Award follows MessageSolution Enterprise Email Archive's other recent award wins this year, including Network Product Guide's 2008 Best Products & Services Reader Trust Award and 2008 Product Innovation Award.

MessageSolution Enterprise Email is available directly through MessageSolution and through partners and channel representatives worldwide. For more information, visit [the Enterprise Email Archive product page](#).

About MExchange.org:

MExchange.org (<http://www.msexchange.org>) is a Microsoft Exchange Server 2007/2003/2000 resource site. It is the leading Exchange site, attracting over 420,000 Exchange administrators and specialists a month. The site provides the latest Microsoft Exchange Server news, articles and tutorials by leading Exchange experts, message boards, software listings and product reviews.

All product and company names herein may be trademarks of their respective owners.

About MessageSolution:

MessageSolution is the top provider of email, file, and instant message archiving, electronic discovery, compliance, and content storage management. MessageSolution's products enable organizations to mitigate risk, reduce costs and storage requirements, optimize server performance, and comply with industry and federal regulations. Based in Silicon Valley, California, MessageSolution maintains operations in North America, Europe, and Mainland China, along with distribution channels in Europe, South Africa, Australia, and Asia Pacific.

MessageSolution's award-winning products, Enterprise Email Archive and Enterprise File Archive, are cross-server onsite archiving software applications. Both products serve organizations across all industries, including finance, health care, education, manufacturing, government agencies and non-profit organizations worldwide. MessageSolution's products free IT administrators from daily maintenance and increase overall employee productivity.

What Differentiates MessageSolution Products:

Customers continually emphasize MessageSolution products' excellent overall performance and ease of use, with quick implementation and sub-second data retrieval, along with the intuitiveness of the interface and ease of maintenance. MessageSolution's intelligent back-end design significantly reduces installation requirements, backup time, and the need for technical support calls.

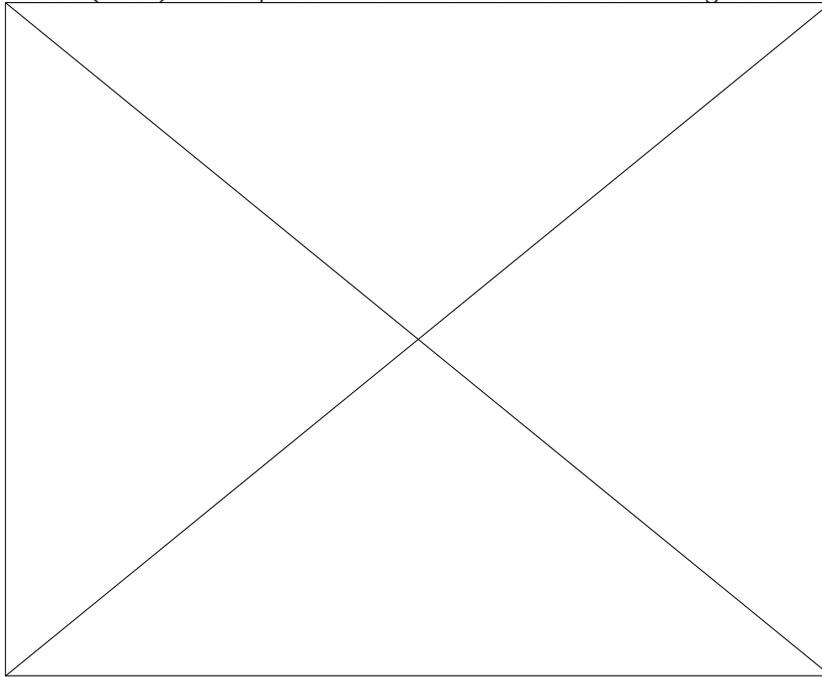
MessageSolution Enterprise Email Archive™ deftly manages petabytes of data daily, a powerful enterprise archiving tool. Electronic discovery and litigation support are empowered by the archive's built-in search engine, which searches through millions of emails within seconds across global locations and data centers. Users can access their archive through their email client, browser, or BlackBerry.

A high in-process compression rate combined with single instance message and attachment archiving slows archive storage growth. Enterprise Email Archive™ further reduces organizations' storage costs by using only 30% of the original mail server storage space for live content archiving. MessageSolution's products support all Latin-based languages, as well as all character-based languages, such as Japanese and Chinese.

Customer and Partner Base:

While continuing to grow rapidly in the North American market, MessageSolution has established its worldwide product channel representations in strategic countries and regions. Western European countries represented include Germany, the Netherlands, Belgium, and the United Kingdom; MessageSolution's international reach also includes China, Taiwan, Hong Kong, Japan, Singapore, Malaysia, Turkey, the Philippines, Australia, New Zealand and South Africa.

Video (4:38): Enterprise Email Archive - Outlook Integration



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