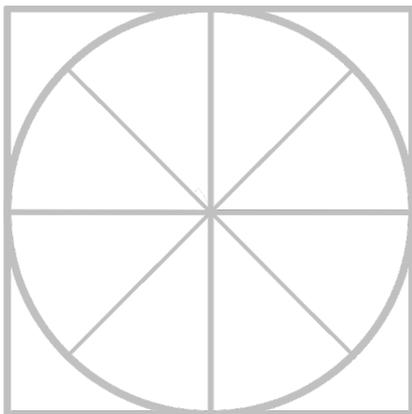




The Radicati Group, Inc.
Palo Alto, CA 94301
Phone: (650) 322-8059
www.radicati.com

THE RADICATI GROUP, INC.

Information Archiving - Market Quadrant 2016



*An Analysis of the Market for
Information Archiving Services
Revealing Top Players, Trail Blazers,
Specialists and Mature Players.*

April 2016

Radicati Market QuadrantSM is copyrighted April 2016 by The Radicati Group, Inc. Reproduction in whole or in part is prohibited without expressed written permission of the Radicati Group. Vendors and products depicted in Radicati Market QuadrantsSM should not be considered an endorsement, but rather a measure of The Radicati Group's opinion, based on product reviews, primary research studies, vendor interviews, historical data, and other metrics. The Radicati Group intends its Market Quadrants to be one of many information sources that readers use to form opinions and make decisions. Radicati Market QuadrantsSM are time sensitive, designed to depict the landscape of a particular market at a given point in time. The Radicati Group disclaims all warranties as to the accuracy or completeness of such information. The Radicati Group shall have no liability for errors, omissions, or inadequacies in the information contained herein or for interpretations thereof.

TABLE OF CONTENTS

RADICATI MARKET QUADRANTS EXPLAINED.....	2
MARKET SEGMENTATION – INFORMATION ARCHIVING	4
EVALUATION CRITERIA	6
MARKET QUADRANT – INFORMATION ARCHIVING	9
<i>KEY MARKET QUADRANT HIGHLIGHTS</i>	<i>10</i>
INFORMATION ARCHIVING - VENDOR ANALYSIS.....	11
<i>TOP PLAYERS.....</i>	<i>11</i>
<i>TRAIL BLAZERS</i>	<i>36</i>
<i>SPECIALISTS.....</i>	<i>41</i>
<i>MATURE PLAYERS.....</i>	<i>56</i>

=====

Please note that this report comes with a 1-5 user license. If you wish to distribute the report to more than 5 individuals, you will need to purchase an internal site license for an additional fee. Please contact us at admin@radicati.com if you wish to purchase a site license.

Companies are never permitted to post reports on their external web sites or distribute by other means outside of their organization without explicit written prior consent from The Radicati Group, Inc. If you post this report on your external website or release it to anyone outside of your company without permission, you and your company will be liable for damages. Please contact us with any questions about our policies.

=====

RADICATI MARKET QUADRANTS EXPLAINED

Radicati Market Quadrants are designed to illustrate how individual vendors fit within specific technology markets at any given point in time. All Radicati Market Quadrants are composed of four sections, as shown in the example quadrant (Figure 1).

1. **Top Players** – These are the current market leaders with products that offer, both breadth and depth of functionality, as well as possess a solid vision for the future. Top Players shape the market with their technology and strategic vision. Vendors don't become Top Players overnight. Most of the companies in this quadrant were first Specialists or Trail Blazers (some were both). As companies reach this stage, they must fight complacency and continue to innovate.
2. **Trail Blazers** – These vendors offer advanced, best of breed technology, in some areas of their solutions, but don't necessarily have all the features and functionality that would position them as Top Players. Trail Blazers, however, have the potential for “disrupting” the market with new technology or new delivery models. In time, these vendors are most likely to grow into Top Players.
3. **Specialists** – This group is made up of two types of companies:
 - a. Emerging players that are new to the industry and still have to develop some aspects of their solutions. These companies are still developing their strategy and technology.
 - b. Established vendors that offer a niche product.
4. **Mature Players** – These vendors are large, established vendors that may offer strong features and functionality, but have slowed down innovation and are no longer considered “movers and shakers” in this market as they once were.
 - a. In some cases, this is by design. If a vendor has made a strategic decision to move in a new direction, they may choose to slow development on existing products.

- b. In other cases, a vendor may simply have become complacent and be out-developed by hungrier, more innovative Trail Blazers or Top Players.
- c. Companies in this stage will either find new life, reviving their R&D efforts and move back into the Top Players segment, or else they slowly fade away as legacy technology.

Figure 1, below, shows a sample Radicati Market Quadrant. As a vendor continues to develop its product solutions adding features and functionality, it will move vertically along the “y” functionality axis.

The horizontal “x” strategic vision axis reflects a vendor’s understanding of the market and their strategic direction plans. It is common for vendors to move in the quadrant, as their products evolve and market needs change.

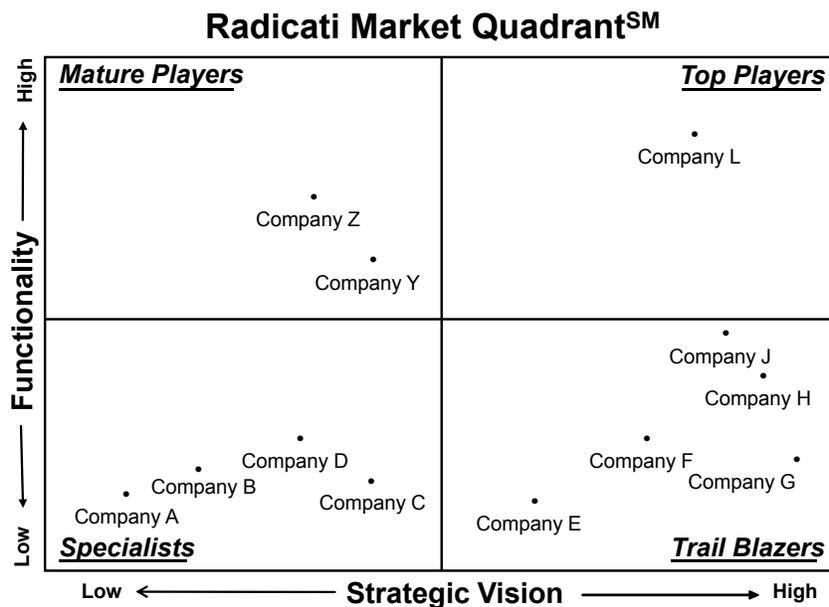


Figure 1: Sample Radicati Market Quadrant

MARKET SEGMENTATION – INFORMATION ARCHIVING

Information archiving solutions provide interactive, secure long-term storage of electronic business content, including: email, instant messages, social media, file systems, Microsoft SharePoint content, and a broad range of other structured and unstructured information. In addition to archiving, these solutions must also provide fast, easy search and retrieval of information, and allow organizations to set granular retention policies which provide the foundation for eDiscovery, Legal Hold, Data Loss Prevention (DLP), and Information Governance.

Information Archiving services are defined as follows:

- **Information Archiving** – are solutions delivered as on-premises products, appliances, or as cloud services. Key vendors in this segment include: *ArcMail, BAE Systems, Barracuda Networks, EMC, Google, GWAVA, Hewlett Packard Enterprise, IBM, Jatheon, Metalogix, Microsoft, Mimecast, OpenText, Proofpoint, Smarsh, Sonian, Veritas*, and others.

Note: In the past we published separate Market Quadrants for on-premises and cloud archiving solutions. This year, we feel that separation is no longer valid as most vendors now offer both form factors.

- Business organizations will typically deploy an information archiving solution for one or more of the following reasons:
 - *Compliance with Regulatory Requirements* – organizations in heavily regulated industries are required to retain and preserve electronic information to meet government and/or industry regulatory requirements.
 - *Litigation* – During internal and external legal proceedings, organizations will need to efficiently search, discover, and retrieve all pertinent information.
 - *Internal Corporate Policies* – Many organizations have large amounts of electronic content that needs to be managed and disposed of according to internal corporate policies.

- *Leveraging Information through Content Analytics* – organizations are increasingly using information archiving solutions to provide valuable insight into their stored data.
- *Data and Information Security* – Information archiving solutions help secure information in a longterm repository, where content can be easily restored in the event of a disaster or during any planned or unplanned downtime.
- Figure 2, shows the worldwide Information Archiving market revenue from 2016 to 2020. The total market will be over \$4.6 billion in revenues by year-end 2016, and will grow to over \$6.7 billion by 2020.

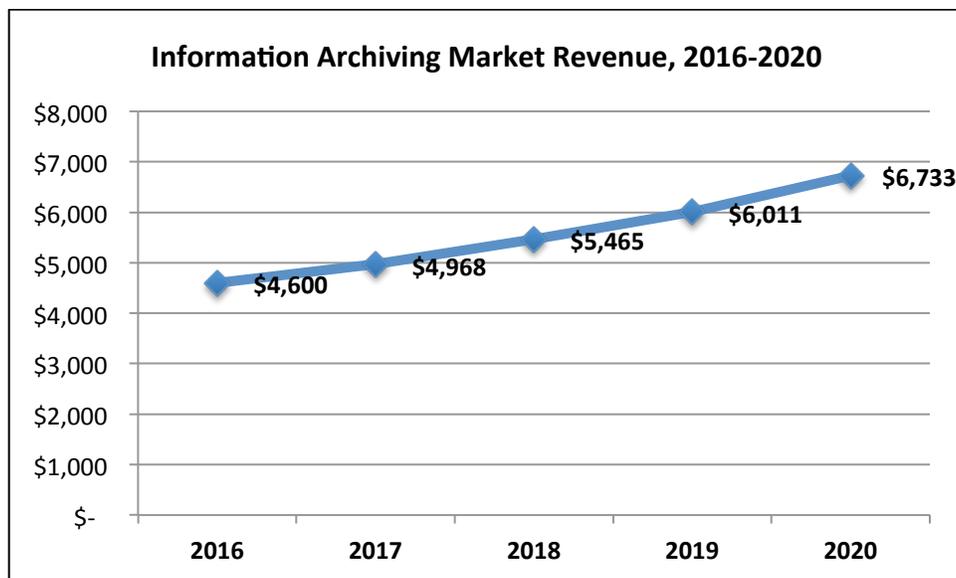


Figure 2: Worldwide Information Archiving Revenue, 2016-2020

EVALUATION CRITERIA

Vendors are positioned in the quadrant according to two criteria: *Functionality* and *Strategic Vision*.

Functionality is assessed based on the breadth and depth of features of each vendor's solution. All features and functionality do not necessarily have to be the vendor's own original technology, but they should be integrated and available for deployment when the solution is purchased.

Strategic Vision refers to the vendor's strategic direction, which comprises: a thorough understanding of customer needs, ability to deliver through attractive pricing and channel models, solid customer support, and strong on-going innovation.

Vendors in the *Information Archiving* space are evaluated according to the following key features and capabilities:

- *Deployment Options* – availability of the solution in different form factors, such as on-premises solutions, cloud-based services, hybrid, appliances and/or virtual appliances.
- *Email Platform Support* – the range of email platforms supported, such as Microsoft Exchange, IBM Domino, and others.
- *Cloud Messaging Support* – archiving support for cloud-based messaging solutions, such as Microsoft Office 365 or Google Apps for Work.
- *Support for Multiple Content Sources* – archiving of a broad range of information types, including: email, file systems, Microsoft SharePoint, social media (both business and consumer services), IM, voice/video, and more.
- *Automated Indexing of Content* – automatic indexing and tagging of information for fast, easy search.
- *Storage Reduction* – the removal of redundant data from repositories is an important capability that is necessary in order to maintain storage efficiency, reduce storage space, and

improve disaster recovery procedures. Single instance storage (SIS) or data deduplication are some of the technologies that enable this functionality.

- *Search* – in addition to basic search functionality (search by sender, recipient, subject, date or contents of a message) information archiving solutions should provide a robust set of advanced search capabilities, including: concept, Boolean, proximity, and more.
- *Archive Access* – archived information should be easily accessible through a desktop, a web-based and/or a mobile client. Mobile app based access is preferred.
- *Define Retention Policies* – businesses should be able to define retention periods for archived data depending on their own retention schedules. Disposition of archived data can occur by age, date, user, folder, sender, recipient, subject, and other parameters.
- *eDiscovery Capabilities* – basic eDiscovery capabilities should be provided for legal hold, advanced search, tagging, data export, and more.
- *Data Migration for Legacy Systems* – support for migrating data in PST, NSF, and other formats from other archives.
- *Website Archiving* – the ability to capture and preserve full websites including web pages, blog posts, images, videos and more in their native formats in the event that they need to be produced for litigation, or to comply with regulatory requirements.
- *Mobile Access* – access to archived content on-the-go through a mobile app or a mobile browser (i.e. smartphone, tablet, laptop, etc.).
- *Multi-language Localization* – availability of archiving solutions with administrative and user interfaces localized in multiple languages.

In addition, for all vendors we consider the following aspects:

- *Pricing* – what is the pricing model for their solution, is it easy to understand and allows customers to budget properly for the solution, as well as is it in line with the level of functionality being offered, and does it represent a “good value”.

- *Customer Support* – is customer support adequate and in line with customer needs and response requirements.
- *Professional Services* – does the vendor provide the right level of professional services for planning, design and deployment, either through their own internal teams, or through partners.

***Note:** On occasion, we may place a vendor in the Top Player or Trail Blazer category even if they are missing one or more features listed above, if we feel that some other aspect(s) of their solution is particularly unique and innovative.*

MARKET QUADRANT – INFORMATION ARCHIVING

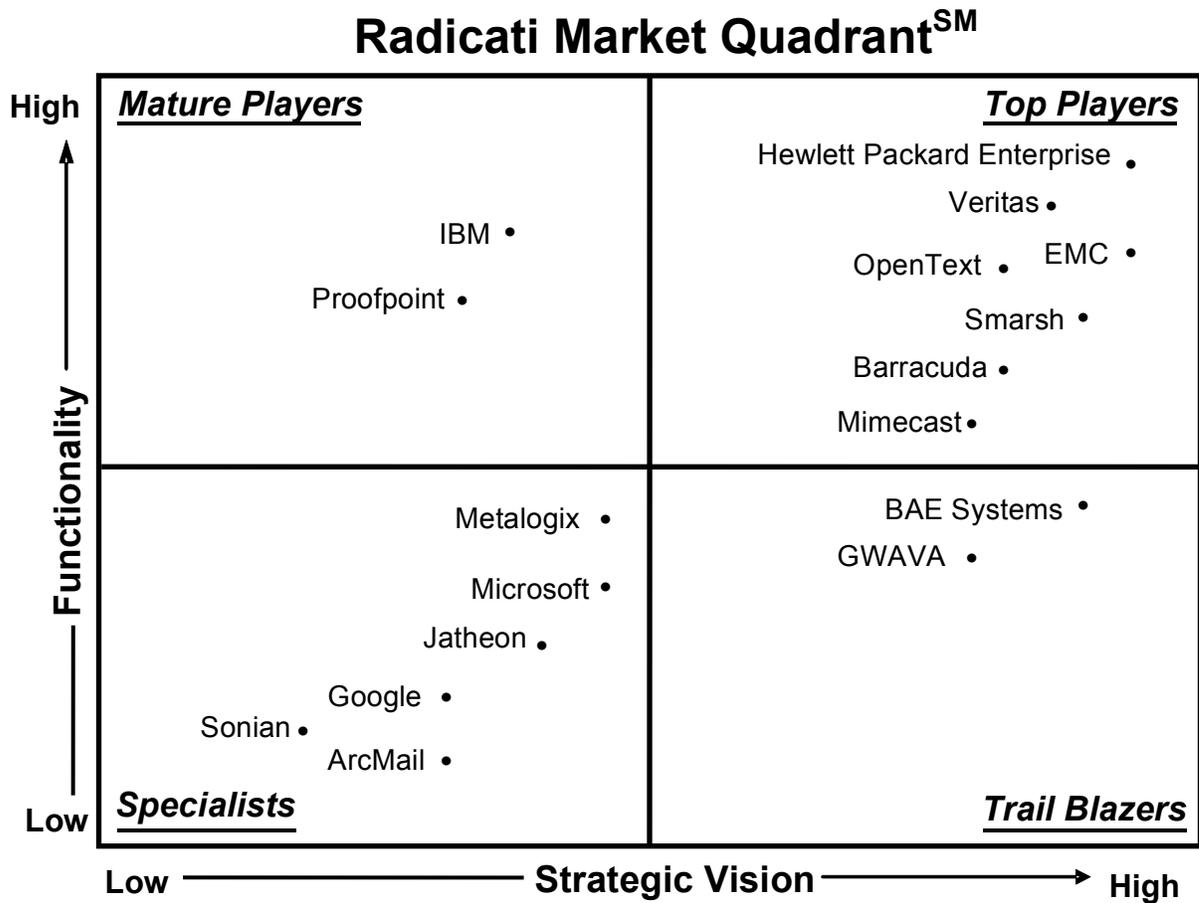


Figure 3: Information Archiving Market Quadrant, 2016

Radicati Market QuadrantSM is copyrighted April 2016 by The Radicati Group, Inc. Reproduction in whole or in part is prohibited without expressed written permission of the Radicati Group. Vendors and products depicted in Radicati Market QuadrantsSM should not be considered an endorsement, but rather a measure of The Radicati Group’s opinion, based on product reviews, primary research studies, vendor interviews, historical data, and other metrics. The Radicati Group intends its Market Quadrants to be one of many information sources that readers use to form opinions and make decisions. Radicati Market QuadrantsSM are time sensitive, designed to depict the landscape of a particular market at a given point in time. The Radicati Group disclaims all warranties as to the accuracy or completeness of such information. The Radicati Group shall have no liability for errors, omissions, or inadequacies in the information contained herein or for interpretations thereof.

KEY MARKET QUADRANT HIGHLIGHTS

- The **Top Players** in the Information Archiving market are *Hewlett Packard Enterprise, Veritas, EMC, Smarsh, OpenText, Barracuda* and *Mimecast*.
- The **Trail Blazers** quadrant includes *BAE Systems* and *GWAVA*.
- The **Specialists** quadrant includes *Metalogix, Microsoft, Jatheon, Google, Sonian,* and *ArcMail*.
- The **Mature Players** quadrant includes *IBM* and *Proofpoint*.

INFORMATION ARCHIVING - VENDOR ANALYSIS

TOP PLAYERS

HEWLETT PACKARD ENTERPRISE

3000 Hanover Street
Palo Alto, CA 94304
www.hp.com

Hewlett Packard Enterprise (HPE) provides software, hardware and cloud solutions for large global enterprises, small and mid-sized business, and government agencies. HPE's products include servers, storage, software, networking solutions, and more.

The HPE archiving portfolio includes HPE Consolidated Archive (HPE CA) for on-premises archiving, and Digital Safe, for hosted archiving in a private cloud.

SOLUTION

HPE Consolidated Archive (HPE CA) and **HPE Digital Safe** offer an integrated end-to-end information archiving solution to enable intelligent control and management of data, support litigation preparedness, and ensure corporate, industry and regulatory compliance. The archiving solutions can be deployed on-premises (HPE CA), in a secure, private hosted environment (HPE Digital Safe), or as a hybrid solution. Key features include:

- *Unified Information Archiving* – automatically archives data from multiple channels and a broad range of repositories including email, IM, social media, video, audio, and other structured/unstructured data. Advanced search and analytics provide actionable and intelligent insight from diverse data stores to rapidly find information, automate retention policies, and support compliance and legal preparedness.
- *Storage Optimization* – single instancing, de-duplication, and compression increase IT efficiency through a smaller information footprint. The ability to access and gain insight into legacy data repositories to filter valuable data from outdated information also helps reduce storage and data access costs.

- *Enterprise-class Security* – data is secured in a private cloud within datacenters that are SOC2 compliant to ensure data security, availability, processing integrity, confidentiality and privacy. All data remains segregated and is protected across multiple geographically separated datacenters utilizing split-cell WORM technology to prevent data loss.
- *Advanced Analytics and Conceptual Search* – expedites search and quickly identifies critical, responsive data using advanced context and concept-based search.

HPE's archiving solutions are a key component of HPE's *Information Governance Portfolio*.

They can be deployed on their own as an individual solution to solve a specific business need, or can be combined with HPE's information governance offerings to provide a more comprehensive end-to-end solution, including supervision, eDiscovery, file analysis, and forensic data analytics.

HPE CA and Digital Safe platforms provide an information processing framework to extract intelligence and act on multiple forms of structured and unstructured data including email, IM, social media, audio, video, and web content including, conceptual understanding and advanced analytics across hundreds of data types residing in most enterprise repositories to support search, eDiscovery, preservation, and regulatory compliance.

HPE offers additional solutions to help build a holistic information governance strategy, which include:

- **HPE Investigative Analytics** – offers a communication-centric analytic platform that enables organizations to derive deeper insights into activities, communications, and risk events. It is aimed at the needs of financial institutions and highly regulated industries. It allows companies to implement a holistic approach to understand activities and risk across their business. Organizations can perform ongoing surveillance and data mining to detect patterns, surface anomalies, and highlight trends to proactively identify potential risks and non-compliant, fraudulent behavior.
- **HPE Supervisor** - offers compliance departments the ability to monitor, capture, analyze, and investigate electronic communications including email, IM, texts, audio and social media. It offers configurable risk-based filters to capture and control interactions that are contributed to and used by compliance officers, legal counsel, and technology administrators. HPE Supervisor can be deployed either within a customer's datacenter, or hosted in an HP datacenter.

- **HPE Legal Hold** - supports the eDiscovery process by enabling automated and auditable preservation (including in place) and collection of potentially evidentiary content across a range of repositories including cloud, mobile, social, and laptops/desktops disconnected from the network.
- **HPE eDiscovery** - provides a scalable and comprehensive approach to drive all aspects of post-collection eDiscovery, from processing and advanced analytics to review and production. It enables investigations and early case assessment with the ability to cluster and automatically provide search refinement/guidance. The review capabilities within HPE eDiscovery incorporate technology-assisted review (TAR). HPE eDiscovery can be delivered on-premises as a license install, via an appliance, as a hosted service, or as a self-service on-demand.

STRENGTHS

- HPE's archiving solutions, in conjunction with its information governance portfolio, are able to meet the most rigorous compliance requirements of large global enterprises.
- HPE CA and HPE Digital Safe support most enterprise content sources, including: email, IM, Microsoft SharePoint, social media, voice recordings, and more.
- HPE CA and HPE Digital Safe support a broad range of email platforms, which include: Microsoft Exchange, IBM Domino, Novell GroupWise, Microsoft Office 365, and others.
- HPE CA and HPE Digital Safe provide intelligent understanding and rich visibility across most enterprise information to support business critical functions including search, eDiscovery, preservation, and regulatory compliance.
- HPE's archiving and eDiscovery products offer enterprise-grade scalability and flexibility and can be deployed as on-premises, hosted, or hybrid solutions.

WEAKNESSES

- While HPE offers both on-premises archiving through its HPE CA product, and cloud-based archiving through HPE Digital Safe, customers wanting to deploy hybrid scenarios will have to deal with different administration interfaces, as well as a number of differences in features and functionality.
- HPE's archiving solutions are feature-rich and are best when deployed in the context of HPE's full information lifecycle management strategy.
- HPE does not offer a native DLP solution, however, they do deliver some DLP functionality through their information governance framework.
- HPE archiving solutions, while feature rich, tend also to be fairly expensive and are best suited for larger enterprises with complex information governance requirements.

VERITAS TECHNOLOGIES LLC

500 E. Middlefield Road
Mountain View, CA 94043
www.veritas.com

Veritas Technologies offers information management solutions aimed at the needs of large and complex environments. Veritas' Information Governance product portfolio includes solutions for: archiving, eDiscovery, file analysis and more. Veritas Technologies LLC was established as an independent private company in late 2015, following the split from Symantec Corporation.

SOLUTION

Veritas offers both on-premises and cloud-based archiving solutions under the **Enterprise Vault** brand name. Veritas Enterprise Vault is part of its broader information governance portfolio.

The Veritas on-premises Archiving solution, **Enterprise Vault**, offers archiving of email, Microsoft SharePoint content, IMs, BlackBerry data, file servers, social media content, and more. Version 12 of **Enterprise Vault**, released in February 2016, offers significant

classification enhancements. Enterprise Vault now can automatically classify any ingested content and re-classify information already stored in the archive. Classification uses customizable policies to help determine what meaningful information to keep and what to discard. Once classified, archived items may then be assigned unique retention periods and may be tagged with metadata to help speed search or discovery. In addition, Enterprise Vault 12 introduces Intelligent Review, a feature of Enterprise Vault Compliance Accelerator. Intelligent Review learns from user behavior to build a knowledge base that enables automatically prioritizing relevant content to review while culling non-relevant information, this helps streamline reviewer workload.

Enterprise Vault provides single-instance-storage. Administrative tools, such as dashboards and wizards, help simplify the management process and it can also integrate with specialized solutions that offer archiving for specific types of data and information. The Enterprise Vault product portfolio includes:

- *Enterprise Vault for Microsoft Exchange* – stand-alone software based solution, which offers automated Microsoft Exchange Server mailbox management via active mailbox and journal archiving. Administrator-defined policies automatically archive email and attachments based on aging criteria and mailbox quota thresholds. Users can search and access their archived email through the Microsoft Outlook client whether online or offline. Microsoft Exchange Server journal archives need not be used to capture all incoming and outgoing email messages, as SMTP Archiving offers the flexibility of journaling directly from Exchange (on-premises or online as part of Office 365) to Enterprise Vault. Enterprise Vault for Microsoft Exchange supports Microsoft Exchange Server 2000, 2003, 2007, 2010, 2013, and 2016. Enterprise Vault also supports Microsoft's cloud-based Office 365.
- *Enterprise Vault for IBM Domino* – offers similar mailbox and journal archiving feature set to Enterprise Vault for Microsoft Exchange but for IBM Domino environments. The solution supports IBM Domino Server 8.5.2 and later, IBM Notes, and IBM Domino Web Access.
- *Enterprise Vault for Microsoft SharePoint*– offers archiving support for Microsoft SharePoint Server 2007, 2010 and 2013, Windows SharePoint Services 3.0, and Microsoft SharePoint Foundation. Enterprise Vault automatically archives Microsoft SharePoint document libraries, wikis, blogs, discussions, custom lists and many other lists based on administrator-defined policies. Files and document versions are replaced with shortcuts for user access and to allow Microsoft SharePoint search to display results from live and

archived Microsoft SharePoint content.

- *Enterprise Vault File System Archiving* – offers comprehensive archiving support for Windows file systems. The solution also supports file blocking, and integrates with Veritas Data Insight to enable customers to perform archiving operations directly from Data Insight reports.
- *Enterprise Vault Extensions* – provides a framework to which Veritas Technology Partner Program (VTPP) partners may develop custom archiving applications for information not natively archived by Enterprise Vault. This helps extend the many benefits of archiving, which include space management, retention management and eDiscovery, to additional content sources, such as UNIX, Linux file systems and more.
- *Enterprise Vault Discovery Accelerator* – a basic search and eDiscovery solution that works with Enterprise Vault to expedite the identification, legal hold, and review process across all content within the Enterprise Vault archive for litigation and internal investigations. Enterprise Vault is also tightly integrated with the Veritas eDiscovery Platform powered by Clearwell for customers who require enhanced eDiscovery capabilities.
- *Enterprise Vault Compliance Accelerator* – a supervisory solution that works with Enterprise Vault to help organizations monitor communications, such as email, instant messaging or social media content. It provides a framework to select and sample target content and enable authorized staff to review, annotate and escalate items. The process is tracked and recorded for auditing and regulatory compliance purposes.

The Veritas cloud archiving service, **Enterprise Vault.cloud**, offers archiving of both cloud-based or on-premises email, Microsoft SharePoint content, Instant Messaging (IM), BlackBerry data, cloud file sharing systems, and more. The Veritas Enterprise Vault.cloud product portfolio includes:

- *Enterprise Vault.cloud for Microsoft Office 365* – archiving and eDiscovery capabilities for Microsoft Office 365 deployments. Enterprise Vault.cloud journals all email, ensuring that every message is appropriately preserved, thus ensuring defensible compliance and legal procedures are always followed. Information is retained in the archive according to specific retention and/or other preservation (e.g. legal hold, regulatory guidelines) requirements.

- *Enterprise Vault.cloud for Microsoft Exchange* - Enterprise Vault.cloud leverages the native journaling capabilities of Microsoft Exchange Server to capture all emails and attachments sent and received in their original format into a single, online repository specifically created for each customer. Messages are encrypted in transit to the archive (TLS encryption) and at rest (AES 256-bit encryption) in Veritas' secure private, multi-tenant data centers, designed to provide 99.99% service availability. Information is retained in the archive according to specific retention and/or other preservation (e.g., legal hold, regulatory guidelines) requirements. Enterprise Vault.cloud supports Microsoft Exchange Server 2003, 2007, 2010 and 2013 and allows end user access to personal archives via Microsoft Outlook.
- *Enterprise Vault.cloud for IBM Domino* - offers a similar journal archiving feature set to Enterprise Vault.cloud for Microsoft Exchange Server but for IBM Domino environments. The solution supports IBM Domino Server 8 and later and allows end user access to personal archives via IBM Notes.
- *File archiving* – Enterprise Vault.cloud provides file archiving capabilities for documents stored in Microsoft SharePoint document libraries and Box. All files are archived in a centralized and tamper-proof online repository. Files can be placed on legal hold or retained based on global or granular retention policies—and remain in the archive, even if they are deleted from Microsoft SharePoint or Box. End users can also be given access to archived files so that they can search and retrieve them via their personal archives.
- *Collaborative eDiscovery workflow* - Enterprise Vault.cloud offers a built-in collaborative eDiscovery workflow, which encompasses a variety of legal matter management capabilities that allow multiple reviewers to interact and collaborate on a specific matter as part of the eDiscovery process.
- *Mobile Web Access* - Enterprise Vault.cloud offers Mobile Web Access for Enterprise Vault Personal.cloud, which supports Apple iOS, Android, and BlackBerry Browser. It allows end-users to search their email archives, restore important messages, and tag emails just as if they were working on their desktop, without having to download an application.

STRENGTHS

- Veritas' archiving solutions offer a thorough product portfolio to help organizations satisfy their archiving and information governance needs. Veritas appeals to a wide range of businesses by providing both on-premises and cloud services.
- In addition to Microsoft Office 365 archiving, Enterprise Vault and Enterprise Vault.cloud capture other cloud-based information sources. Enterprise Vault archives websites and social media including Facebook, Twitter, and LinkedIn. Enterprise Vault.cloud archives SharePoint and Box files and instant messaging communications.
- Enterprise Vault and Enterprise Vault.cloud both archive commonly used electronic communication tools, including Microsoft Exchange Server, Microsoft Office 365, IBM Domino, Microsoft SharePoint, and BlackBerry. Enterprise Vault also archives on-premise data sources such as file systems, attachments in SAP databases, and metadata for video and audio.

WEAKNESSES

- With a powerful set of features, Enterprise Vault requires an adequate budget and personnel in order to fully maximize the platform's potential. Enterprise Vault.cloud, however, is suitable for small to large customers.
- While Veritas offers an impressive set of features and capabilities in both its Enterprise Vault and Enterprise Vault.cloud offerings. The two solutions remain siloed and Veritas does not provide a common user or administrative experience across the two product lines. This may be an issue for customers looking to deploy a hybrid solution.
- Customers should be careful of differences in supported content types and integrations between Enterprise Vault and Enterprise Vault.cloud.
- Veritas supports access to its archives (both Enterprise Vault and Enterprise Vault.cloud) only through mobile web browsers, it does not provide access through mobile apps.

- Veritas has recently completed a major company realignment, as it emerges from the split of Symantec into two separate companies, it remains to be seen what impact this will have on customer support, channel strategy, and overall future direction.

EMC

176 South Street
Hopkinton, MA 01748
www.emc.com

EMC is a leading provider of enterprise information and virtual infrastructure technologies and solutions. EMC's product portfolio includes hardware and software for archiving, storage, backup and recovery, disaster recovery, cloud computing, and more. EMC was founded in 1979 and is headquartered in Hopkinton, Massachusetts.

SOLUTION

The **EMC SourceOne** portfolio of products includes archiving solutions for email, Microsoft SharePoint, file systems, and more. SourceOne is available in all form factors, including on-premise, virtualized or cloud. SourceOne includes the following products:

- **EMC SourceOne Email Management for Microsoft Exchange** – offers a centralized archive for managing emails, attachments, and IM messages. SourceOne Email Management for Microsoft Exchange supports Microsoft Exchange 2010 and 2013 (with 2016 due later in the year) as well as Microsoft's Office 365 cloud-based service with on-premises archives. In addition, SourceOne supports public folder archiving, advanced reporting and auditing, enhanced search and export with the discovery express feature, and more. It enables single instance archiving of messages, with the ability to store over a billion objects in a single repository. SourceOne is also tightly integrated with EMC Data Domain de-duplication storage for optimal efficiency. Messages can be archived in real-time, or at scheduled intervals, automatically or manually. Users can access archived messages from mobile devices through a web-based access capability.
- **EMC SourceOne Email Management for IBM Notes Domino** – offers the same capabilities for the IBM Notes Domino platform as the Microsoft Exchange Server solution.

SourceOne for IBM Notes Domino also leverages the native local replica for offline access to shortcut messages, which also allows messages to be retrieved from mobile devices seamlessly. SourceOne supports archiving of both IBM Domino and Microsoft Exchange data simultaneously through one interface.

- **EMC SourceOne for Microsoft SharePoint** – enables active content externalization and inactive content archival of all data found in Microsoft SharePoint, including wikis, blogs, contacts, etc. EMC also supports the archiving of Microsoft Office 365’s cloud-based version of SharePoint. SourceOne for SharePoint ensures that both native and archived content are accessible, simplifying search and discovery. For data that is archived and no longer in the SharePoint database, SourceOne supplies a search tool within the SharePoint user interface for fast, convenient retrieval. Search of archived SharePoint content is also available via the SourceOne web search UI. EMC supports on-premises Microsoft SharePoint Server 2007, 2010, 2013, and Microsoft Windows SharePoint Services (WSS) 3.0.
- **EMC SourceOne Email Supervisor** – working with SourceOne Email Management, it samples indexed messages in the archive (randomly, or based on established rules, such as lexicon), presents them for supervisory review, and preserves the evidence of review actions. This is key for organizations in regulated industries in order to demonstrate compliance with regulations such as SEC, FINRA, and others.
- **EMC SourceOne for File Systems** – extends the EMC SourceOne platform, enabling organizations to include the management of unstructured file system content within the EMC SourceOne environment. SourceOne for File Systems offers flexibility for file system archiving. For instance, SourceOne has the ability to index file system data in place, enabling eDiscovery searches without requiring users to first move those files to an archive. This provides intelligence around all file system content no matter where it resides, and includes the ability to tier and stub the indexed data to free up primary storage and reduce costs with no disruption to users as all content can be transparently accessed from tiered locations. With the latest release, SourceOne 7.2, files larger than 2GB can be archived, enabling archiving of Virtual Machine Disk (VMDK) for moving and restoring infrequently used VMware images on demand.
- **EMC SourceOne Discovery Manager** – offers discovery and management of content during legal or regulatory investigations. Discovery Manager is designed to find, hold, cull, and produce the responsive set of archived content, including email archived with the legacy

EmailXtender 4.8 SP1 application. The latest release 7.2 of Discovery Manager has added a browser-based UI, allowing discovery, hold, and export of Microsoft SharePoint, files, and email content. A browser-based UI allows access from anywhere with secure access through Firefox, IE, and Chrome browsers, as well as from mobile devices. Other enhancements include database performance enhancements, user interface enhancements, additional search functionality and expanded export options.

STRENGTHS

- EMC SourceOne is available in all form factors including on-premises, cloud or virtualized.
- EMC SourceOne provides archiving of Microsoft Office 365.
- Simultaneous support of Microsoft Exchange Server and IBM Domino Server is a key differentiator for EMC's SourceOne solution. Organizations that utilize a dual messaging environment, will benefit from EMC's archiving support of both messaging platforms.
- EMC SourceOne for Microsoft SharePoint can support multiple Microsoft SharePoint sites and farms. The product supports active content with Microsoft's recommended externalization API, and archives inactive content (content not in regular use and sitting idle on SharePoint's servers).
- EMC SourceOne solutions offer unified search and management of all content, including email messages and attachments, Microsoft SharePoint content, and file systems, from a centrally managed web search interface.
- EMC SourceOne is designed to address big data workloads. EMC combines SourceOne, Pivotal analytics for big data, along with a VCE converged infrastructure to leverage archived emails for more than compliance reporting (e.g. helping organizations to use archived messages to mine for data to improve customer service).

WEAKNESSES

- Archiving of instant messaging (IM) and social media content is not available natively, and is only offered through EMC's partners.

- EMC does not offer archiving for Google Apps for Work (i.e. Gmail).
- EMC does not offer dedicated mobile apps for their archiving solutions. However, users can access archived content through web browsers on their mobile devices.
- EMC's archiving solutions lack web archiving tools. Businesses interested in web archiving functionality will need to deploy an add-on solution.

SMARSH

851 SW 6th Avenue, Suite 800

Portland, OR 97204

www.smarsh.com

Smarsh is a provider of cloud-based archiving technology and services aimed at highly regulated industries with strict compliance and eDiscovery requirements, such as financial services (e.g. broker-dealers, investment advisers, banks and lenders), the public sector and healthcare. Founded in 2001, Smarsh is headquartered in Portland, Oregon.

SOLUTION

The Archiving Platform from Smarsh offers clients a consistent and comprehensive set of search and review, policy, production and reporting tools across their organization's email, social media, instant messaging, mobile messaging and Web content. Smarsh also provides unified compliance and eDiscovery workflows across all archived content.

Content is organized into Cases for further analysis, export or production for eDiscovery, investigations, or audits. For financial firms and others in highly regulated industries that need to regularly monitor archived content for regulatory compliance, Smarsh provides a highly specialized Supervision workflow designed to enable policy-driven monitoring and efficient team-based content review.

The Smarsh proprietary policy engine automatically scans content as it enters the archive for keywords, phrases, or violations based on policies defined by each customer. Administrators can customize policies, including exclusions and inclusions, based on any criteria associated with a

message. Smarsh provides numerous policy templates customized by compliance and regulatory experts. The engine is also configured to assign point scores for policy violations, enabling reviewers to escalate and prioritize the review of high-risk messages.

All content and attachments are available immediately through The Archiving Platform's web-based interface. All archived messages are replicated to remote data centers for continued access in the event of a disaster or system failure, and preserved in accordance with client retention schedules. The Smarsh service includes performance and uptime guarantees.

The platform provides support for the following message types:

- *Email* – Smarsh is platform-agnostic and captures and preserves email messages from on-premise email servers (Microsoft Exchange, IBM Domino, Novell GroupWise, and others) and cloud-based email services (Google Mail, Microsoft Office 365, Salesforce email and others). End-users can access their personal archives through an enhanced, mobile-friendly workflow.
- *Instant Messaging* – Smarsh offers archiving support for public, enterprise and third-party messaging applications, including Bloomberg, Reuters, IceChat, QQ Messenger, Slack, Pivot, Skype for Business, Microsoft Lync, Skype, Cisco Unified Presence, AIM, Jabber, FactSet and Symphony.
- *Social Media* – Smarsh provides archiving support for Facebook, Twitter, LinkedIn, Microsoft Yammer, Salesforce Chatter, Jive, Instagram, Pinterest, YouTube, Vimeo and more. Smarsh works directly with several of the platforms to ingest data directly through API connections.
- *Websites* – Businesses can capture, search, preserve, produce, and supervise complete websites, individual web pages, blogs, wikis, RSS feeds, audio and video files, and the interactive components that create web pages.
- *Mobile Messaging* – Smarsh captures, indexes, and preserves SMS text messages and other forms of mobile communications across Android, Apple and BlackBerry devices.

Smarsh also offers **Email encryption/DLP**, a content filtering solution for outgoing email that can stop or delay delivery, or send encrypted messages based on policy.

STRENGTHS

- Smarsh provides archiving support for a broad range of enterprise content, including: email, social media, IM, websites, video and more, and users can leverage a uniform set of policies and a unified search interface across all of their content types.
- Smarsh provides archiving support for popular enterprise social media and collaboration services, including Salesforce Chatter and Yammer.
- Smarsh offers what the company refers to as “intelligent archiving,” where messages are ingested, indexed and retained in a search-ready state in their native format (as opposed to having non-email content converted to email). This allows fast search and review by unique elements and objects of each message type. It also enables a real-world contextual view, where for instance, a user searching for a Facebook post will see the full context of the conversation, including files and comments that may have been added at a later time.
- Mobile Message Archiving enables businesses to capture mobile messages at either the device level or the server level. The service also provides support for SMS text messages, BlackBerry Messenger, and mobile IM services.
- Smarsh provides a content ingestion API and offers a developer program for third party content support and client custom development.

WEAKNESSES

- Traditionally, Smarsh has focused on providing archiving solutions for the financial services industry. The company has been expanding their footprint to provide services to a broader range of vertical markets.
- Archiving for some file systems and Microsoft SharePoint content is not available natively, however, customers can acquire these services from Smarsh partners. Smarsh currently supports archiving for Citrix Sharefile, as well as the ability to directly upload specific files for archiving ingestion. A number of other content types are on the roadmap for 2016.

- Smarsh allows access to personal archives through mobile device browsers, however, it does not currently offer optimized mobile archiving apps.
- Smarsh is localized only in English, however, all messages are stored in their native format and Unicode messages are archived.
- The Smarsh archive service is available only as a cloud based solution. Customers interested in on-premises or hybrid deployments for archiving will need to consider alternative vendors.

OPENTEXT

275 Frank Tompa Drive
Waterloo, ON
N2L 0A1
Canada
www.opentext.com

OpenText is an Enterprise Information Management (EIM) software company that focuses on five key solution categories: Enterprise Content Management (ECM), Discovery, Business Process Management (BPM), Customer Experience Management, Information Exchange, and Analytics solutions. OpenText EIM includes solutions for enterprise archiving, eDiscovery, content management, email management, collaboration, social media, business process management, analytics and more. OpenText was founded in 1991 and is headquartered in Ontario, Canada.

SOLUTION

OpenText Archive delivers solutions for archiving and managing the information lifecycle of a broad range of enterprise information, including: email, files, Microsoft SharePoint data, structured information such as ERP data (e.g. SAP, Oracle), instant messaging, web and social content through a single managed repository.

In 2015, OpenText released **OpenText Archive Center** a standalone archive for simplified archive and compliance use cases. In tandem with Archive Center Cloud Edition, it is an

enterprise archiving service running in the OpenText Cloud as a public cloud service. Archive Center, Cloud Edition comes in three variants: OpenText Archive Center for SAP Solutions, Cloud Edition; OpenText Archive Center for Email/FS, Cloud Edition; and OpenText Archive Center for CMIS, Cloud Edition.

OpenText Archive solutions support the following types of enterprise content:

- *Email* – on-premise versions of Microsoft Exchange Server and IBM Domino Server, as well as cloud email services such as Office 365 and Gmail.
- *File Systems* – file systems content can be archived, as well as unnecessary file systems content can be deleted for improved storage efficiency.
- *GoogleDrive* – the ability to capture, manage, preserve and export GoogleDrive content.
- *Microsoft Sharepoint* – support for Sharepoint online, as well as entire Microsoft Sharepoint sites, content and blob data within sites can be archived and managed. Integration also includes UI widgets surfacing ECM content/official records from SharePoint.
- *ERP Content* – SAP and Oracle E-Business Suite content can be archived, managed, shared and collaborated on by ERP and non-ERP users.
- *Rich Media Assets* – supported rich media content includes: images, audio, video, and more.
- *Web Content & Social* – support for archiving of content published on websites and social sites.
- *Faxes* – incoming and outgoing faxes can be archived and stored in the OpenText Archive repository.

OpenText also offers several individual archiving software products that can be deployed together or separately. Solutions are available for Microsoft Exchange, IBM Domino, Microsoft SharePoint, SAP and file systems.

Key features of **OpenText Email Archiving for Microsoft Exchange, Office 365, IBM Notes and Gmail** include:

- *Tight Integration with Records Management* – email messages and attachments can be treated as records and archived automatically, based on various characteristics (age, size, keywords, mailbox size). Users also have the ability to classify archived email messages themselves directly from their Microsoft Outlook or IBM Notes client.
- *Rich Search* – administrators and authorized users have access to archived email content via an integrated full text search engine. Users are able to access their archived email from the email client, or a web based interface.
- *Data sovereignty* – OpenText can support access and security including geo-blocking to restrict users from accessing sensitive material outside their geographical area and long-term storage of content to ensure content is written to the appropriate media (e.g. cloud or on premise storage).

Key features of **OpenText Application Governance & Archiving for Microsoft SharePoint** include:

- *Microsoft SharePoint Archiving* – all Microsoft SharePoint content, whether individual documents, document sets or complete SharePoint sites, can be selectively or automatically captured and archived to a central repository. Support is available for Microsoft SharePoint 2010, 2013 and SharePoint Online.
- *Customized Policies* – administrators can create custom policies to archive Microsoft SharePoint content based on age, location or meta data. Rules can be created to assign record management classifications to drive retention and disposition periods.
- *Centralized Access* – SharePoint web parts give users access to archived content from within SharePoint. Integration with SharePoint search makes it easy to find active or archived content.
- *Microsoft SharePoint Sites Deployment* - allows customers to structure and automate the site provisioning process by adding metadata and tying SharePoint sites to a lifecycle, which makes it easier to automate archiving and retention of SharePoint content.

Key features of **OpenText Archiving for SAP Solutions** include:

- *Flexible Storage and Retrieval for SAP deployments* – supports a wide range of SAP documents and data, including: paper documents, faxes, electronic documents of various formats, and emails.
- *Robust Storage Architecture* – the SAP archiving solution supports all leading storage platforms and media types. It offers support for high availability, replication, caching, and disaster recovery. Security features include encryption, timestamps, and digital signatures.

Key features of **OpenText File System Archive Center File Archiving** include:

- *Automated Capture* – automatically captures file systems and delivers them to a single repository. Storage rules can be configured according to relevant criteria, such as file size, date, or folder.
- *Content Security* – content can be archived to secure storage media while document integrity is ensured with time stamps and system signatures.
- *Single-instance Archiving* - detects multiple instances of content and eliminates redundancies.
- *Comprehensive Search* - executes full-text searches across archived file systems, consolidating content from multiple file systems into a single result set.
- *Easily Restore Archived Documents* - multiple archived documents can be restored to the original file system (or to a new, specified location) with a single click from the search results.

STRENGTHS

- OpenText provides a variety of deployment options including on-premises and cloud based.
- OpenText Archive Center provides a comprehensive archiving platform for businesses that need to store and access a broad range of enterprise information including: email, file systems, Microsoft SharePoint, social content, and more.

- OpenText provides a strong portfolio of Enterprise Information Management (EIM) solutions that tightly integrate with their information archiving solutions.
- Open Text Auto-classification, leverages machine learning techniques to provide transparent auto-classification of large volumes of enterprise information.
- OpenText provides the flexibility to archive and apply various retention or records management policies to a broad range of structured and unstructured content types.
- The newly released OpenText Archive Center provides a rapid deployment and small footprint entry point solution for longterm content preservation.

WEAKNESSES

- OpenText's archiving solutions are most often deployed in the context of OpenText's broader range of Enterprise Information Management solutions, including ECM, and integrations with SAP.
- OpenText does not support website archiving.
- OpenText tagging and indexing in support of search, can be simplified and made more uniform across all data types.
- OpenText mobile access to archived information is provided for users through their mobile browsers, and administrators through an Outlook Web App (OWA) interface. In both cases, mobile access would be improved by the availability of mobile apps.

BARRACUDA NETWORKS

3175 Winchester Blvd
Campbell, California 95008
www.barracuda.com

Barracuda Networks, founded in 2003, provides security and storage solutions. The company traditionally offered its products as on-premises hardware appliance solutions, but has now

expanded to include public and private cloud virtual appliance options. In 2014, Barracuda acquired C2C Systems, and their ArchiveOne and PST Enterprise products have been integrated into the Barracuda product line to meet the requirements of the higher end of the market.

SOLUTION

The **Barracuda Message Archiver** is an appliance-based archiving solution for email and other message content. It is available as an on-premises appliance or a virtual appliance, and can be deployed in private or public clouds including AWS, Azure and vCloud Air. Key features of Barracuda Message Archiver include:

- *Comprehensive Archiving* – Current and historical data can be captured. Support for email and non-email content archiving enables users to store and access messages, appointments, contacts, notes, and tasks as well as IM conversations. All folders can be viewed, accessed, and searched through the web user interface, Outlook add-in or mobile applications. Reporting and statistics tools provide information such as growth of message archive, policy violations, and archive traffic.
- *Storage Management* – Stubbing allows messages to be moved to the Barracuda Message Archiver where they can be accessed through a link to the storage archives. Duplicate email messages and/or attachments are automatically removed with single-instance storage technology. Email content is compressed before being moved into the archive for more efficient storage.
- *Access and Search* – Role-based administration enables different levels of access for administrators, auditors, or users. Full-text searches can be conducted based on tags, header fields, or message content. Archived content can be accessed through the Microsoft Outlook interface, or through Barracuda's apps for Windows, Mac, iPhone and Android.
- *Policy Driven Alerts and Retention Policies* – Customized archiving policies can be set to comply with government regulations or to maintain company records. Policies can be defined based on message age (time), senders/recipients, content, headers, or attachments. During an investigation or litigation messages can be compiled and held based on keywords, dates, and sender/recipients.

- *PST Management* – Barracuda PST Enterprise is available as an option for Message Archiver, and provides an advanced capability for IT Administrators to discover and manage PST files throughout their organization.

In December 2015, Barracuda launched the **Barracuda Cloud Archiving Service**, a SaaS solution which uses the Barracuda Cloud to deliver a fully cloud based archiving service. It is hosted and managed by Barracuda in their own datacenters. The service is also a component of **Barracuda's Essentials for Office 365** suite of cloud services, and is aimed at organizations moving to cloud based solutions, such as Office 365 and Google Apps.

Barracuda ArchiveOne is a software-based archiving and Information Management solution that supports enterprise email and file content, and integrates with the Barracuda Message Archiver and Cloud Archiving Service. Key features of Barracuda ArchiveOne include:

- *Policy Based Archiving* – supports capacity management based on policies to determine which files, emails, attachments and calendar items to archive and apply appropriate retention periods. Policies can be defined by age, metadata, content and other options. Data can be archived to a Barracuda Message Archiver Appliance or the Barracuda Cloud Archiving Service, as well as to dedicated local archive storage.
- *In-Place Data Management* – allows to apply retention policies, enforce legal holds and dispose of emails and files without first archiving the data. It helps automate the retention and deletion of email data to maintain compliance and minimize corporate risk. Relevant data can be identified, preserved and collected for internal investigations, litigation, and eDiscovery requests.
- *Advanced PST Management* – allows to systematically identify PST files throughout the organization wherever they reside and automatically determine and assign the PST file owner. It also centralizes and manages PST files by copying or moving them to a central location. It helps eliminate PST files by selectively migrating data to on premise Exchange, Office 365 or ArchiveOne, then automatically disconnecting and deleting the PST files.
- *eDiscovery and Compliance* - locates all potentially relevant email data wherever it exists across the organization. This initial set of data is then copied into a secure repository, ensuring it cannot be amended or tampered with, and placed on legal hold if required.

Extensive search and tag capabilities enable culling of initial data, streamlining it to the documents that need to be considered for eDiscovery purposes.

- *Storage Management* – Stubbing allows messages to be moved from Exchange to Barracuda archive storage, with user access retained via a link to the archive. Duplicate email messages and/or attachments are automatically removed with Barracuda's single-instance storage technology. Email and file content is compressed before being moved into the archive for more efficient storage.

STRENGTHS

- Barracuda solutions can be deployed in a variety of form factors including: on premises, physical appliance or virtual appliance on VMware or Hyper-V, private or public clouds in Microsoft Azure, VMware vCloud Air, Amazon Web Services, as well as an on-demand cloud SaaS application. Hybrid deployments are supported, along with integration with Barracuda cloud storage for backup and disaster recovery.
- Barracuda supports all major email platforms such as Microsoft Exchange and IBM Notes, as well as popular cloud messaging services, such as Microsoft Office 365 and Google Apps Gmail.
- The three tiered role-based administration feature enables organizations to setup and define unique access rights for administrators, auditors, and users.
- Native mobile apps are available for Apple iOS and Android devices. Barracuda also offers support for other mobile devices through web-based access.
- All message content and attachments are de-duplicated using Barracuda's single-instance storage technology and then compressed to maximize archive storage efficiency.
- Barracuda users have full access to their archives at any time from any device. An Outlook Plug-in provides fully integrated access to archived data from the desktop, and data can be cached to provide ongoing access when offline. Full-functionality apps for iOS and Android provide anytime/anywhere mobile access.

WEAKNESSES

- Barracuda Message Archiver lacks support for archiving of Microsoft SharePoint and file systems content. These are, however, supported in the Barracuda ArchiveOne solution.
- Email archiving support for IBM Domino Server and Novell GroupWise server is limited to email and attachments.
- Barracuda offers limited archiving support for enterprise social media services, and IM services. However, Barracuda customers can use Barracuda Web Filter in conjunction with Barracuda Message Archiver to archive social media services, such as Twitter and Facebook.
- Barracuda does not support website archiving.

MIMECAST

CityPoint, One Ropemaker Street

Moorgate

London

EC2Y 9AW

www.mimecast.com

Mimecast is a provider of cloud-based email and information management services for businesses. The core of Mimecast's services, include: email, IM and file archiving, email security, email continuity, and more. Founded in 2003, Mimecast is headquartered in London, UK, and has offices in the US, Australia, and South Africa. Mimecast is a publicly traded company.

SOLUTION

Mimecast offers a suite of fully integrated cloud **Enterprise Information Archiving**, **Email Security** and **Mailbox Continuity** services. Bundled service packages incorporate security and continuity in all three core services. Mimecast's services support all major email platforms, but are optimized for Microsoft Exchange Server and Microsoft Office 365.

Email Archive – A cloud-based email archiving service that captures and indexes Microsoft Exchange Server and Office 365 data, as well as other major email platforms. Key features of Email Archive include:

- Messages are captured at the gateway in real time and via Microsoft Exchange Server journaling to archive all incoming and outgoing messages.
- Direct access to Mimecast personal archive through an add-on deployed into Microsoft Outlook that provides a seamless user experience.
- Users can also access their personal archive through Mimecast's Personal Portal web client, or through native applications for each of the major smart-phone platforms; users can search, view, reply, and forward archived messages on iPhone, iPad, Android, BlackBerry and Windows Phone devices.
- Comprehensive compliance, eDiscovery and litigation support including legal hold, case management and data export.
- Mimecast also offers add-on services that include replication of the Microsoft Exchange Server mailbox folder structure in the Mimecast personal archive, which is accessible from Microsoft Outlook, Mimecast Personal Portal, mobile devices, and Mimecast for Mac.

File Archiving – A cloud-based archiving service that provides archiving of file repositories and data. Key features include:

- Archiving files from file shares and network shares.
- Administrator archive search for file data.

Lync IM Archiving – A cloud-based archiving service that provides archiving of Microsoft Lync and Skype for Business conversations. Key features include:

- Archiving peer-to-peer conversations, conferences and multi-party conversations.

- A single archive search interface, which delivers IM search results, alongside email and file content for greater context.

STRENGTHS

- The single Administration console provides unified access to all features in a single view. Security, Archiving, eDiscovery, email retention policy settings, user management, and litigation hold requests, can all be managed through a single web interface.
- Integration of Security, Archiving and Continuity means archives are fully accessible even during email outages and archived data remains fully protected against email-borne threats.
- Users can search and access their personal archives from Microsoft Outlook or through Mimecast's Mac app, web interface, and mobile devices.
- Mimecast has an international presence and datacenters in the U.K., U.S., Australia and South Africa. The local datacenters allow Mimecast to better comply with each region's unique set of rules and regulations.
- Mimecast offers archiving support for all popular cloud messaging platforms, including Microsoft Office 365.

WEAKNESSES

- Mimecast only offers IM archiving support for Skype for Business (formerly Microsoft Lync). Archiving of other IM services as well as social media can be handled through third-party content capture solutions, such as Actiance and Globanet.
- Website archiving is currently not supported. However, it is on the roadmap for later 2016, and will initially be delivered via a partner.
- Mimecast language localization is somewhat limited.
- Mimecast focuses much of their attention on Microsoft-centric customers and their solutions are optimized for these environments, however, they also do provide archiving support for

other popular enterprise messaging platforms.

- Mimecast archiving services are available only as a cloud service. Customers interested in on-premises or hybrid deployments for archiving will need to consider alternative vendors.

TRAIL BLAZERS

BAE SYSTEMS APPLIED INTELLIGENCE

265 Franklin Street

Boston, MA 02110

www.baesystems.com/businessdefense

BAE Systems Applied Intelligence (formerly SilverSky) provides cloud-based messaging, compliance, and cyber security services to governments and businesses of all sizes on a software-as-a-service (SaaS) platform. The BAE Systems Email Protection Services platform delivers a fully integrated suite of email security solutions, including: Zero Day Prevention, Insider Threat Prevention, Email Data Loss Prevention (DLP), Email Security (AV/AS), Email Encryption, Email Compliance Archiving, Email Continuity, and more.

SOLUTION

BAE Systems **Email Compliance Archiving** is a cloud archiving solution. All incoming and outgoing messages are authenticated and archived in BAE Systems redundant datacenters. Messages can be filtered by the type of message and can be sorted by date, sender, or subject. Compliance officers can define keyword lists that automatically score messages on retrieval, define flexible legal holds and multiple retention periods, assign messages for review and manage collections of held messages.

All archived data is stored, by default, online for the customer's choice of thirty or ninety days, or three, five, seven or ten years in BAE's data centers. After the retention period is up, data is permanently removed from both the database and storage systems. If WORM discs were delivered for offsite storage, they are destroyed. BAE Systems Email Archive offers unlimited data storage.

BAE Systems Email Compliance Archiving is compliant with: SEC, FINRA, HIPAA, SOX, and the Federal Rules for Civil Procedures (FRCP). It can support any email system including on-premise or hosted Microsoft Exchange from any provider, including BAE's own hosted Exchange cloud service and Microsoft Office 365. In addition to email, BAE can also archive faxes, instant messages, consumer email services such as Yahoo! Mail, Microsoft Outlook.com, and financial messaging services, such as Bloomberg and Reuters.

BAE's Email Compliance Archiving and Email Continuity solutions include an Archive Folder Synchronization feature. Folder Sync replicates users' Microsoft Outlook folder structure for use within the archive. This enables users to maintain productivity and increase efficiency with replicated folder structures in the archive in the same format as their active Outlook mailbox. Archive Folder Sync is compatible with BAE Hosted Exchange 2010, 2013, and on-premise Exchange deployments.

BAE Systems also offers **Archive Anywhere**, a service that enables email users to easily access and search their entire mailbox archive from virtually any device and any email client. Archive Anywhere uses the native search tools of the email client. Supported platforms include Windows, Apple and Android, and mobile devices including iPhone, iPad, BlackBerry, Android, and Windows Phone.

STRENGTHS

- BAE Systems archiving services are part of a complete message archiving and security platform, along with DLP, Insider Threat Prevention, Zero Day Prevention, and eDiscovery capabilities.
- BAE Systems is capable of archiving faxes, IMs, consumer email services, and financial messaging services such as Bloomberg and Reuters.
- BAE Systems offers a unified management interface, Security Management Console, for customers to manage their Email Protection Services along with Archiving, Hosted Exchange and their proprietary hosted Mail.
- BAE Systems meets requirements specified by the FFIEC, GLBA, HIPAA, and other regulatory organizations.

- The Archive Anywhere mobile functionality adds value to the services by allowing users to access their personal archives from their mobile devices.

WEAKNESSES

- BAE Systems Email Compliance Archiving lacks support for the archiving of Microsoft SharePoint data, and social media content, which requires third-party tool integration.
- Retention policy granularity can be improved. Currently retention policies can be set per user but not at the document/file level.
- BAE does not support website archiving natively, however, it can archive any external content through integration with third-party capture services, such as Actiance.
- BAE Systems services are available as cloud services only. Customers interested in on-premises or hybrid deployments for archiving will need to consider alternative vendors.

GWAVA

100 Alexis Nihon Suite 500,
Montreal, QC, H4M 2P1, Canada
www.gwava.com

GWAVA, founded in 2001, offers Unified Archiving and Messaging Security Solutions. The company has offices in the US, Canada, the United Kingdom, Germany and Australia.

SOLUTIONS

GWAVA's **Retain Unified Archiving** provides multi-platform message archiving of email, social media, instant messaging, web searches, and mobile communication into one unified data archive. Retain can be deployed as an on premise solution, in the GWAVA Private Cloud, or in a public cloud. Retain supports Microsoft Exchange, Office 365, Google Apps for Work, and Novell GroupWise messaging platforms.

Retain also provides archiving solution for iOS, Android and BlackBerry devices. It archives all encrypted SMS/Text messages and other data for iOS and Android, via a secure communications server. Additionally, Retain archives SMS/MMS and phone call logs for Android and BBM, PIN, SMS/MMS and phone call logs for BlackBerry devices. Retain also archives all BlackBerry Messenger (BBM) Protected messages on iOS, Android, and BlackBerry. Archiving is done in real time with no need to tether or sync the device. Retain also features policy-based mobile call recording and archiving.

Retain provides fully configurable policies that allow organizations to define the electronic communication data to archive. Messages are archived using intelligent threading, meaning that messages are easily searched and viewed in their original context. Retain creates a searchable audit trail of all administrators and users who have permission to search the archive, creating a record of all activity. The Retain archive is accessible by end users and administrators directly through Retain's Web Access Archive Viewer. Retain includes message deletion policies to reduce storage space, and server load on Exchange, Office 365, or GroupWise systems. Policies can be set to delete email from the server after being archived, or after exceeding its retention age.

Retain provides real-time monitoring, alerting, and archiving of Social Media, Instant Messaging, and web searches to organizations that needs to maintain compliance and enforce policies within their organization. Supported social media platforms include, Facebook, Twitter, LinkedIn and Yammer. Instant messaging supported platforms are Microsoft Lync/Skype for Business, Google Hangouts, Yahoo! Messenger, and AOL IM (AIM). Google, Yahoo!, Bing, Wikipedia and YouTube web searches are also supported.

Retain includes built-in eDiscovery tools to allow organizations to easily place litigation holds, print, forward, save, redact, strikeout and export message data. Retain exports data to PST, PDF or stand-alone archive viewer formats. The exported file is fully indexed, searchable, and includes a table of contents for quick browsing. Retain's unified archive gives organizations the ability to search, publish and perform eDiscovery from one central location. Retain also provides technology to search and take action and conduct eDiscovery activities across connected datasets not held within the archive repository.

Retain offers a "Google" like search tool for quick and easy searches. The tool returns search instant results and includes suggestions for searches as search terms are input into the system (e.g. subject, body, text, email address, tags, users, and other fields). It supports limited regular

expressions (REGEX) terms, allowing users to search for terms such as social security numbers, credit card and more. The search tool also removes duplicate records from the search, reducing the number of hits for a specific search.

STRENGTHS

- GWAVA's Retain supports a broad range of messaging platforms.
- Retain provides features for search and eDiscovery, including across multiple outside data sources not held within the archive repository.
- Retain's administrative and compliance interface is easy to use for administrators, human resources, legal, auditor, compliance personnel and other named users.
- Retain archives iOS messaging, through a partnership with CellTrust, without the need to tether or sync the device.
- The Retain Social Compliance Proxy allows organizations to monitor and filter social media, instant messaging and web searches and archive these messages. This allows organizations to allow these communications, while maintaining oversight and auditing trails.

WEAKNESSES

- GWAVA Retain supports archiving of messaging and attachment data, but does not support file archiving.
- GWAVA does not support archiving from IBM Lotus/Notes.
- GWAVA Retain does not currently support website archiving or Microsoft SharePoint archiving. However, both are on the roadmap for 2016.
- GWAVA Retain multi-language localization is currently somewhat more limited than other solutions.
- GWAVA lacks market visibility and brand awareness but the company is working to address this.

SPECIALISTS

METALOGIX

5335 Wisconsin Ave NW
Suite 510
Washington DC, 20015
www.metalogix.com

Metalogix is a content infrastructure vendor that provides enterprise solutions for: archiving, content management, migration, storage, and protection. Metalogix focuses on providing software for Microsoft Exchange Server, Microsoft SharePoint, and cloud computing platforms. Founded in 2001, Metalogix is headquartered in Washington, DC.

SOLUTION

Metalogix's **Archive Manager** solution provides archiving support for Microsoft Exchange Servers, file systems and SharePoint. Key solutions include:

- *Archive Manager Exchange Edition* - utilizes a hybrid deployment architecture, which provides archiving for Microsoft Exchange Server both on-premises or in the cloud. Native single-instance storage functionality removes multiple copies of the same emails and attachments across an entire message store. Emails can be stored by size, type, class, or retention period. Archived messages can be accessed via Microsoft Outlook or through a secure web console. Supported versions of Microsoft Exchange Server include: 2007, 2010, 2013, and 2016. In 2016, additions include a completely modernized web interface called ArchiveWeb, archiving from Office 365 mailboxes, archive access from any device, including mobile and tablet, and the ability to archive from SMTP journal.

Archive Manager also interacts with **Metalogix Archive Migrator** for organizations looking to migrate to a new Exchange server, Office 365, or Metalogix Archive Manager from existing third-party archiving solutions, such as Symantec Enterprise Vault, Barracuda Message Archiver, Mimosa NearPoint, GFI MailArchiver, HP IAP, Dell Archive Manager, HPE (Zantaz), Microsoft Exchange and EMC EmailXtender. All existing permissions and policies are maintained from source to target. This provides a complete chain of custody for organizations that need to maintain compliance.

- *Archive Manager Files Edition* – utilizes its Hierarchical Storage Management (HSM) and continuous single-instance storage (SIS) for file server archiving and migration. Documents can be archived based on type, if they exceed a certain size or age, or if they were created by a particular user. Automatic versioning ensures that edited documents are stored as a new version, and both original and new instances of the document can be viewed.
- *Archive Manager for SharePoint* – a software-based storage optimization and archiving solution for Microsoft SharePoint. The solution utilizes both External BLOB Storage (EBS) and Remote BLOB Storage (RBS) to provide support for Microsoft SharePoint 2007, 2010, 2013. Support for 2016 will be provided following the official Microsoft release. Archive Manager deploys as a native solution leveraging an organization’s existing Microsoft SharePoint infrastructure to provide externalization for active and archived content, with support for a wide variety of storage platforms including NAS/SAN, CAS, and cloud storage.

STRENGTHS

- Metalogix offers customers a choice of deployment form factors including on-premises, private cloud on AWS or through MSPs.
- Customers using multiple Metalogix Archive Manager products can conduct federated searches and single-instance storage across all Microsoft Exchange Server, file systems and Microsoft SharePoint environments.
- Searches of archived content via the Microsoft Outlook interface, Outlook Web Access, or the secure web console provide users with anywhere access regardless of the type of device they are using.
- Metalogix’s supplementary migration solutions provide organizations with a number of options for both legacy archiving migrations and Microsoft Exchange Server migrations.

WEAKNESSES

- Metalogix is mostly suited for Microsoft-centric organizations. However, Metalogix’s also offers, Archive Migrator, which helps organizations migrate other email and legacy archive

email content to Microsoft Exchange, Office 365 and Archive Manager directly.

- Metalogix does not currently provide a multi-tenant cloud option. However, this is on the roadmap for 2016.
- Metalogix does not support archiving of website content.
- Metalogix has retired its social media archiving solution, as it has seen low customer demand for this functionality.

MICROSOFT

One Microsoft Way

Redmond, WA 98052-6399

www.microsoft.com

Microsoft delivers products and services to businesses and consumers through an extensive product portfolio that includes solutions for office productivity, messaging, collaboration, and more.

SOLUTION

Microsoft offers native archiving functionality within on-premise deployments of Microsoft Exchange Server (i.e. 2010 and 2013), as well as cloud-based archiving through Microsoft Office 365, or Exchange Online Archiving (a cloud-based option for customers that have deployed Microsoft Exchange Server 2010 or 2013 on-premises). All solutions meet SEC Rule 17a-4 requirements.

Microsoft Exchange Server and **Microsoft Office 365** – offer native archiving and compliance features, referred to as In-Place Archiving, which include:

- *Personal Archive* – The Personal Archive feature is a specialized mailbox that integrates with a user’s primary mailbox. Users can access the Personal Archive through Microsoft Outlook

or Microsoft Outlook Web App. Email messages can be archived manually or automatically based on policies created by administrators.

- *Retention Policies* – Retention policies can be defined to dispose of email messages after a certain period of time. Microsoft Exchange Server utilizes retention tags to classify each email message. This process is fully automated.
- *Multi-mailbox Search* – Enables searches across a broad range of mailbox items, including: mail, attachments, calendar appointments, tasks, and contacts. Multi-mailbox can search simultaneously across mailboxes, Personal Archives, and recovered items from the web-based console.
- *In-Place Hold and Litigation Hold* – In-Place Hold allows users to search and preserve messages matching query parameters. Litigation Hold preserves all mailbox content. Both protect messages from deletion, modification, and tampering. Messages can be preserved indefinitely or for a specified time period. Administrators can place specific mailboxes on litigation hold during a pending or ongoing legal investigation. The Litigation Hold process is transparent to end users.
- *Importing Historical Data* – Historical email data from PSTs can be imported directly into Microsoft Exchange Server.
- *In-Place Discovery* – enables authorized users to perform federated searches across Microsoft SharePoint 2013 and SharePoint Online websites, documents, file shares indexed by Microsoft SharePoint, mailbox content in Microsoft Exchange Server, and archived Microsoft Lync 2013 content.
- *Archiving third-party data* – Office 365 supports the import and archiving of third-party data from social media platforms (e.g. LinkedIn, Facebook, Twitter, Yammer), Instant Messaging (e.g. Cisco Jabber, GoogleTalk, Yahoo Messenger), document collaboration (e.g. Box, DropBox), SMS/text messaging (e.g. BlackBerry), and vertical industry applications (e.g. Salesforce Chatter, Thomson Reuters, Bloomberg). Customers, however, must work with Microsoft partners to deploy and configure connectors that will extract items from the third-party data source and import into Office 365.

Microsoft also offers **Exchange Online Archiving**, which provides the option of cloud-based archiving for customers that have deployed Microsoft Exchange Server 2010 or 2013 on-premises. Microsoft Exchange Online Archive includes:

- *Retention Policies* – email messages can be automatically moved to the personal archive in a specified number of days and deleted after another span of days.
- *In-Place Hold* and *Litigation Hold* – enables users to delete and edit mailbox items (including email messages, appointments, and tasks) from both their primary mailboxes and archives, while the items are still captured by the hold thus preserving immutability. Administrators can setup legal holds on individual users or across an organization.
- *Instant Messaging Archiving* – Microsoft Exchange Online Archive can archive on-premises Microsoft Lync IM content. IM conversations can be stored in a user’s mailbox and then sent to their personal archive.
- *Access to the Service* – users and administrators can access Microsoft Exchange Online Archiving from the Microsoft Outlook email client, or online through Microsoft Outlook Web App.
- *Customization* – Microsoft Exchange Online Archiving comes with a number of customized reports to establish an audit trail of any inquiry.
- *Service Level Agreements* – Microsoft guarantees 99.9% scheduled uptime.

STRENGTHS

- Archiving comes as a native feature of Microsoft Exchange Server (2010 and 2013) and Microsoft Office 365, which streamlines integration between the archiving platform, content, and user access.
- Microsoft archiving is available as an on-premise solution, cloud service, or a hybrid solution (for instance customers of on-premise Exchange can deploy Microsoft Online Archiving for cloud based archiving).

- Microsoft's on-premises Exchange Server 2013 archiving and cloud-based Microsoft Online Archiving, both support archival of Microsoft SharePoint and Microsoft Skype for Business content.
- The tight integration between the new In-Place Holds and In-Place Discovery features allows users to simultaneously search and place holds on content within the same interface and query.
- For basic eDiscovery, Microsoft Exchange Server's legal hold feature prevents emails from being deleted or edited during an internal or external investigation. The length of time for a litigation hold can also be specified.

WEAKNESSES

- For on-premises deployments, Microsoft Exchange Server does not offer single instance storage (i.e. de-duplication), instead it keeps multiple copies of email messages and attachments. This requires an increase in storage capacity and can affect Microsoft Exchange Server's backup and restore capabilities.
- Microsoft archiving is highly Microsoft-centric and does not provide support for non-Microsoft email platforms.
- Microsoft has added support for archiving of third-party content data in Office 365, however, this is not provided through native connectors but rather must be handled through third-party Microsoft partners.
- Archive access is provided through Outlook and Outlook Web App but not through mobile apps.

JATHEON

Jatheon Technologies Inc.

90 Richmond St. East, Suite 200

Toronto, Ontario, Canada M5C 1P1

www.jatheon.com

Founded in 2004, Jatheon Technologies Inc. offers network appliances for email and information archiving, compliance and eDiscovery. The company is privately held.

SOLUTION

Jatheon offers an on-premises appliance solution for email and information archiving, as well as compliance and eDiscovery. The solutions strive to simplify archiving, indexing, retrieval and dynamic monitoring of corporate email and messaging data. Jatheon solutions include three components:

- **cCore Hardware** - offers an enterprise grade scalable appliance for organizations of all sizes.
- **ergo Software** – which manages data processing and archival storage. It provides sophisticated search capabilities with an easy-to-use intuitive interface and a level of granularity suitable for eDiscovery. It also allows custom policies to be easily created for archiving and email management.
- **The Jatheon Guarantee** – is a pro-active 24x7 monitoring and technical support plan.

Jatheon appliances offer the following capabilities:

- Comprehensive Search Functions via a secure web based interface, or through an integrated Microsoft Outlook Plug-in.
- Companies can monitor messages for company policy violations or regulatory compliance. Users have access to their personal data, and compliance officers can package information as PST files or export the messages in a Portable Document File (PDF), or MIME RFC 822 (EML) formats.

- Jatheon appliances include advanced message reporting, exporting to PDF, EML or PST file formats, the ability to save common searches, searchable audit trail for all activities, LDAP and Active Directory integration, and secure access via a web browser or Outlook Plug-in.
- Jatheon appliances are compatible with all major platforms, including Microsoft Exchange, Office 365, Google Apps for Work, GroupWise, IBM Notes, and others.
- Proprietary self-healing storage technology, which continuously repairs damaged data caused by deterioration of magnetic disks.
- 24/7 Proactive System Monitoring and Response, which allows rapid, proactive response and intervention for any software, hardware or network connectivity issues further reducing the load on in-house IT teams.
- eDiscovery features for Legal hold, retention policy management, audit trails, evidence of reviews and reporting capabilities.
- Single-instance email and attachment file retention.

STRENGTHS

- Jatheon provides support for all leading email platforms, whether on-site or cloud-based. Support is generally through the platform's native journaling function or custom Jatheon plugin (e.g. for Novell Groupwise).
- Flexible, robust and scalable indexing with the ability to tag through rules and legal holds.
- Jatheon maintains enterprise security by storing all data on secure local storage. It uses de-duplication, single instance storage (for attachments), and compression to achieve data efficiency.
- Jatheon Advanced Search offers enterprise search functionality with full Boolean support and wildcat searches.
- Retention policies can be easily set up to control retention of different email in the system.

- eDiscovery capabilities are provided for advanced search, legal hold, policies, audit trail, saved searches keyword lists and more.
- Jatheon's appliance based model provides for expandable storage using storage add-ons.
- Jatheon appliances are easy to install and manage.

WEAKNESSES

- Jatheon's solution is available as on-premises appliance solution, or as private cloud deployment. Virtualization and multi-tenant cloud deployment are on the roadmap for 2016.
- Jatheon only supports archiving of email and social media (though social media requires the purchase of additional Jatheon edge gateway equipment). Other content sources such as Microsoft SharePoint, websites, voice, video, and others are not supported.
- Mobile access is currently available on Android and Apple devices only through a web browser. Native Android and Apple mobile apps are on the roadmap for later in 2016.
- Jatheon has low market visibility, although the company is investing to address this.

GOOGLE

1600 Amphitheatre Parkway
Mountain View, CA 94043
www.google.com

Google is an Internet company well known for its search and online advertising services. **Google Apps for Work** is Google's business productivity suite that includes services for email, collaboration, and productivity. Google was founded in 1998, and is headquartered in Mountain View, California.

SOLUTION

Google Apps for Work includes, **Google Apps Vault**, its own web-based archiving, information governance, and eDiscovery solution, which works natively within Google Apps for Work and is built on the same infrastructure as the Google Apps for Work platform.

Currently, Vault supports search and export for Gmail, on-the-record Google Talk and Hangouts, and Google Drive. Additionally, Vault supports archiving and legal holds for Gmail, Google Talk, and Hangouts. Archiving and hold support for Google Drive, including Google Docs, are on the roadmap for later 2016, allowing customers to retain and preserve data from Drive.

Key features of Google Apps Vault include:

- **Archiving & Retention** – Vault provides a single archive where email, chat messages and social content are managed in-place. Audit trails provide reports on user activity and actions in the archive. Businesses can define retention policies for email and other content. Support for archiving and retention of Google Drive files is on the roadmap.
- **eDiscovery** – Search tools enable the finding and retrieval of email, chat messages, and Google Drive files relevant to a particular case or investigation. Vault includes Google search algorithms for domain wide searches across large amounts of email and other data. Collections of search results can be defined and managed by authorized users. Messages and documents can be exported for further review and processing. Legal holds can be placed on users to prevent the deletion of email and other content.
- **Security** – Security features of Vault include encrypted connection to Google’s servers, replicated storage for messages, and built-in disaster recovery and sharing controls.

STRENGTHS

- Google Apps Vault provides a familiar interface for current Google Apps for Work users. Google Apps Vault is easily deployed and managed in conjunction with other Google Apps services.
- Google Apps Vault enables administrators to apply retention and preservation policies to existing mail and chat content. Indefinite retention periods are also supported within Google

Apps Vault. Administrators can also place user accounts and related email, chat data and other content on hold.

- Google Apps Vault provides basic search and export functionality for email, chats, and documents. Search results can be exported and provided to a third-party.
- As part of the Google Apps for Work platform, the Google Apps Vault interface is localized into 28 different languages. Vault supports content from many more languages.

WEAKNESSES

- Google Apps Vault does not currently integrate with some key Google services, such as Google Groups and Calendar. However, support for Google Groups is on the roadmap for later in 2016.
- Google Apps Vault does not currently provide archiving support for Google Drive content. However, support for Google Drive and non-Google content captured in Drive is on the roadmap for later in 2016.
- Google Apps Vault does not currently offer website archiving. However, archiving of Google Sites is on the roadmap.
- Google Apps Vault is aimed at Google Apps for Work customers. Organizations with more heterogeneous mail or information content environments will need to invest in a complementary archiving solution or look elsewhere for their archiving needs.
- Google Apps Vault is available only as a cloud services. Customers interested in on-premises or hybrid deployments for archiving will need to consider alternative vendors.

SONIAN

3 Allied Drive, Suite #155
Dedham, MA 02026
www.sonian.com

Sonian is a public cloud-based information archiving solution that enables organizations to preserve and protect intellectual property across email, attachments, address early stage discovery needs, speed audit response, and achieve regulatory compliance. The company was founded in 2007 and is based in Dedham, Massachusetts.

SOLUTION

Sonian's Email Archiving solution secures inbound and outbound messages in a redundant and highly available cloud archive. Customer organizations can archive, index and search their email, including more than 500 different attachment types, as well as Microsoft Skype for Business messages. Sonian offers unlimited storage and unlimited retention at low and predictable costs. Sonian's archive is offered in all leading cloud ecosystems (e.g. AWS, Azure, IBM SoftLayer, and more). Sonian's Email Archiving solution includes:

- *Journaling* - Sonian can automatically journal all incoming and outgoing emails into a secure cloud archive. This persistent immutable record of discussions, documents and data is highly available, reliable and web accessible.
- *Email Migration* – Sonian's cloud archive makes porting messaging content between platforms easier.
- *Information Discovery* – Sonian cloud archive can index messages and more than 500 attachment file types, and supports document production in early-stage litigation and/or internal investigations.

STRENGTHS

- Sonian's solution was specifically built for cloud deployment, which allows it to scale and provide optimized search response times in a cloud environment.

- Sonian has an established MSP partner reseller ecosystem that delivers its solutions to end customers.
- Building on its strength in the SMB space, Sonian is now targeting the enterprise market as more companies embrace cloud initiatives.

WEAKNESSES

- Sonian focuses entirely on email archiving. Files attached to emails are archived through the customer's email platform. However, file system, Microsoft SharePoint, social media, and website archiving are not yet available.
- Sonian offers access to content via a browser-based UI. Content can also be accessed via mobile browsers, but Sonian does not offer access through mobile apps.
- Sonian retention policies are currently limited to aged data, whereas competing solutions often offer much greater granularity.
- Sonian archiving services are available only as a cloud service. Customers interested in on-premises or hybrid deployments for archiving will need to consider alternative vendors.

ARCMail TECHNOLOGY

1324 North Hearne Ave., Suite 150

Shreveport, LA 71107

www.arcmail.com

ArcMail is a developer of enterprise information archiving solutions for businesses of all sizes across a wide range of vertical markets. The company provides several deployment options for their archiving solutions including on premise appliances, fully-hosted archiving services, cloud/hybrid storage gateways, and virtualized software for VMware and MS Hyper-V. Founded in 2005, ArcMail is headquartered in Shreveport, Louisiana.

SOLUTION

ArcMail's solutions support a wide range of digital assets and content types, including Microsoft Exchange, IBM Lotus Domino, LINUX platforms, GroupWise and others, as well cloud-based systems such as Google's Gmail, MS Office365, Google Apps, Google Docs and others. ArcMail also supports Microsoft SharePoint, enterprise social media (i.e. Facebook, and Twitter) and Microsoft and Linux-based file systems.

ArcMail's key solutions include:

- **ArcMail Defender** – an on premise email archiving solution configured in eight different sizes that range from 1TB to 32 TB of storage. ArcMail also offers fully-federated searches for organizations with greater email archiving storage needs that require multiple appliances organized as one logical unit. The Defender appliance offers full text search of email messages, which include: header, body, and attachments. It also integrates with Microsoft Active Directory and LDAP to allow for searches of all user aliases and distribution lists.
- **ArcMail Automatic Content Indexing** – an archiving solution that automatically encodes, indexes, and archives all inbound, outbound and internal email. ArcMail's solutions are information driven, indexing each and every word of metadata and text data from all parts of email messages, including header, body and attachments (including PDFs within a ZIP file). It also indexes words from files stored in File Share, Microsoft SharePoint, and social media feeds.
- **ArcMail for SharePoint** – an all-in-one archiving solution that lets users search multiple, fully-indexed data sources simultaneously, including Microsoft SharePoint, Microsoft Exchange Server, Google Apps Gmail and other messaging platforms. All files are securely stored and integrated into a single, centralized archive to simplify search and enterprise information management.
- **ArcMail Social** – designed for information governance and archiving of corporate social media data, is available as an add-on module for any ArcMail Defender archiving solution including its on premise, cloud/local hybrid and virtual offerings. ArcMail Social captures all data of significance across an organization's social networks, including comments, likes, posts and more. The archived social data also becomes exportable, meaning users can select

files, place “holds” on them and export the selected data as needed. In addition, searches can be performed by type of social platform to help users find what they need.

- **ArcMail for File Systems** – currently in beta, provides the ability to archive Microsoft and Linux-based file systems.
- **ArcMail Hosted Archiving** – a high-availability solution, ArcMail’s Hosted Archiving [AHA] offering provides a fast, turnkey approach to managed enterprise archiving. AHA places an organization’s archived data in a secure off-site location, which requires no additional storage to manage. All business-critical data is securely encrypted, indexed and archived, which enables organizations to easily meet regulatory or corporate compliance standards, as well as respond quickly to eDiscovery requests.
- **ArcMail Virtual Defender** - ArcMail's Defender VM is a virtual archiving appliance that runs in VMware and Hyper-V environments and provides all the features and capabilities of the ArcMail Defender product line. Defender VM is built to integrate easily and securely with almost any email server and collaboration platform, providing a single pane of glass approach to all of an organization’s archiving requirements.
- **ArcMail Cloud/Local Hybrid** – leverages an organization’s existing storage infrastructure to index and store raw data archive on one or more remote storage platforms of the customer’s choosing. Encryption is used on the source data to ensure highly secure remote storage. The Defender Cloud Storage Gateway works with storage area networks (SAN), file systems and popular platforms such as Amazon S3, Rackspace Cloud Files, Windows Azure, OpenStack, and PostgreSQL. Users can selectively search any combination of content types via the device including server-based email, cloud-based email such as Google Apps Gmail and Microsoft Office 365, Salesforce.com Chatter, instant messages, Adobe PDF files and web pages.

STRENGTHS

- ArcMail solutions can be deployed across the full range of form factors including on-premises, cloud and hybrid. In addition, ArcMail’s Cloud/Local Hybrid offering provides a hybrid approach to archiving that enables organizations to designate archived files for storage in both cloud and on-premises environments.

- ArcMail provides support for a wide range of content types, including: enterprise social media, email, Microsoft SharePoint; Salesforce.com Chatter, file systems, and more.
- ArcMail solutions are designed for simplicity on the user side. Solutions are easy to install, use and maintain.
- All ArcMail solutions are developed in-house as an integrated platform. ArcMail does not require third-party apps/solutions in order to capture data from any of the sources it archives. This allows the customer to work with one vendor for all maintenance and support.

WEAKNESSES

- ArcMail's Defender solution lacks optimized mobile apps for end users and administrators. However, mobile apps are on the roadmap for later in 2016.
- ArcMail does not support website archiving.
- ArcMail does not offer dedicated mobile apps for their archiving solutions. Users can access content through mobile web browsers.
- ArcMail lacks market visibility and a significant international presence.

MATURE PLAYERS

IBM

New Orchard Road
Armonk, New York 10504
www.ibm.com

IBM offers its Content Collector archiving solution, based on technology acquired from FileNet, as well as its own CommonStore solution. Content Collector is a part of IBM's broader Smart Archive initiative, which aims to help businesses collect, organize, and analyze their corporate information across a broad range of information types and delivery models.

SOLUTION

IBM Content Collector (ICC) is an archiving solution that captures and preserves content in a centralized repository. Organizations can capture, index, manage, audit, as well as dispose of archived content based on the established rules. The key features of ICC include:

- *Supported Content* – ICC supports IBM Domino, Microsoft Exchange, Microsoft SharePoint, IBM Connections, SAP applications, and file systems. ICC is extensible with an open API for other sources.
- *Automatic and Interactive Archiving* – Administrators can setup automated archiving schedules and select the source to be archived such as email clients, applications, user groups, servers, or storage systems. On the client side, users can manually flag content to be archived.
- *Accessing Content* – Users can search, preview, and restore archived content from the central repository.
- *Email Management* – IBM offers search, indexing improvements for complex or malformed documents, and Microsoft SharePoint archiving enhancements.
- *Archived Email Search* – Search is integrated into the Microsoft Outlook and IBM Notes clients and supports full text queries to search email messages and attachments. Emails can also be searched by metadata based on the sender, recipient, or subject. A preview feature allows users to quickly view a selected message in a web browser.
- *Integration with IBM Connections and Microsoft SharePoint* – ICC enables the capturing and archiving of content from IBM Connections applications, including: profiles, activities, wikis, blogs, files, bookmarks, and forums. Deep integration with Microsoft SharePoint Server is also available.
- *Document Life Cycle* – Customizable retention policies can be created to automate the storage and disposal process of all archived content.

- *Supplementary Solutions* – IBM Content Collector offers tight integration with IBM eDiscovery, analytics and other offerings for enterprises with advanced information lifecycle governance needs.

IBM Content Collector can be integrated with a number of solutions, including **IBM Classification Module** (self-learning contextual content classification engine), **IBM Enterprise Records**, **IBM eDiscovery Manager**, and **IBM eDiscovery Analyzer** (to collect, hold, manage, assess and cull electronic information from multiple sources). **IBM Enterprise Records** offers DoD-certified records management capabilities.

STRENGTHS

- IBM offers a robust collection of Information Lifecycle Governance solutions, with Content Collector being one of the primary products under this umbrella. IBM provides all the necessary solutions to allow organizations to deploy a broad Information Governance strategy.
- IBM Content Collector supports all leading enterprise messaging platforms, including IBM Domino, Microsoft Exchange, and Novell GroupWise, as well as cloud-based offerings such as Microsoft Office 365 and Google Apps for Work.
- IBM Content Collector supports numerous content sources, including: email messages and attachments, IBM Connections, SAP applications, Microsoft SharePoint content, and file systems.
- IBM SmartCloud Archive Essentials is dedicated to the IBM SmartCloud Notes SaaS email market. IBM Navigator on Cloud serves as a foundational layer for the vendor's future content management and archiving cloud offerings.
- IBM StoredIQ also supports content classification across 75+ data sources and can be used in conjunction with other enhanced archiving data tools.

WEAKNESSES

- IBM Content Collector is best when deployed in an IBM-centric environment. The solution is not economical or practical on its own, unless it is deployed as part of IBM's broader Information Lifecycle Governance solutions portfolio.
- IBM relies on third party vendors for cloud-based archiving.
- While IBM delivers native archiving support for IBM Connections, the vendor relies on partners for archiving of IM and other types of social media.
- IBM archiving solutions can be costly to acquire and deploy, when compared to other vendor offerings.

PROOFPOINT

892 Ross Drive
Sunnyvale, CA 94089
www.proofpoint.com

Proofpoint provides on-premises and cloud-based services for information archiving, governance, eDiscovery, and security. Proofpoint's flagship, Enterprise Archive, provides a fully managed, cloud-based archiving service aimed at businesses of all sizes. Proofpoint is a publically traded company.

SOLUTION

Proofpoint Enterprise Archive is a cloud service that provides information archiving, eDiscovery, and regulatory compliance for on-premises Microsoft Exchange Server and Office 365 users. The on-premises version of Proofpoint Enterprise Archive is a hybrid solution that includes an on-premises appliance along with storage and search in the cloud, while the Office 365 version remotely accesses messaging resources from the Microsoft cloud. An optional Content Collection module adds the ability to collect, index, and securely archive targeted files and documents that must be preserved within legal holds. Key features of Proofpoint Enterprise Archive include:

- *Message Retention* – Proofpoint Enterprise Archive simplifies the email management process through tight integration with Microsoft Exchange Server and Microsoft Active Directory. Email messages are copied from Microsoft Exchange Server journaling mailbox at configurable time intervals. An automated stubbing feature removes email attachments from Microsoft Exchange Server, while still making them available to users through the Microsoft Outlook client, in order to preserve storage space and minimize user creation of PST files. Proofpoint DoubleBlind Key Architecture provides security for all messages as they are routed to the Proofpoint datacenters – as well as while at rest. Messages are encrypted on the Proofpoint appliance on-premises and can only be decrypted by an authorized user within the network. Proofpoint customers maintain sole possession of encryption keys, which ensure that data privacy is protected. Enterprise Archive can archive email, Bloomberg messages, IM's, social media content and files from desktops, file shares and Microsoft SharePoint repositories. In 2014, Proofpoint added a Selective Disposition feature, enabling customers to dispose of specific items from the archive prior to the end of retention period (for example, privileged or sensitive content).
- *Legal Hold Management* – During an impending lawsuit, Proofpoint Enterprise Archive allows for the creation and enforcement of legal holds in order to preserve old and new messages, in effect suspending their assigned retention period. These messages are maintained in a tamper-proof repository for the duration of the legal matter, but can be accessed and reported on by authorized members of the legal team through the web-based interface. The Content Collection module option extends these capabilities to collect, index, and secure files and documents that must be preserved within legal holds. Documents can be collected from networked file shares, PST files, Microsoft SharePoint, desktops, and laptops.
- *Advanced Search* – Proofpoint Enterprise Archive includes full-text and wildcard-based searches of message headers, message body, and over 500 types of attachments by legal teams and/or administrators. Proofpoint offers a search time guarantee, promising archived data can be accessed in less than 20 seconds – regardless of how large the archived data store becomes or how complex the query.
- *Supervisory Review* – For organizations subject to SEC/FINRA compliance requirements, Proofpoint provides full compliance review to allow supervisory review personnel to monitor email for policy adherence. Proofpoint also provides full SEC 17a-4 compliant storage.

- *FISMA Compliance* –Proofpoint provides a FISMA-compliant offering for Federal Government customers.

Proofpoint also has a stand-alone solution, Enterprise Collaboration Archiving, which provides the ability to natively capture and archive content from Facebook, Twitter, LinkedIn, Microsoft Yammer, and Salesforce Chatter, and Jive. Content can be archived in any market leading information archiving repository, as well as in Proofpoint's Enterprise Archive. For archival within Enterprise Archive, Proofpoint provides single pane of glass visibility to all archived content, and can segregate social content through the use of InfoTags.

Proofpoint Enterprise Archive provides full mobile access for Apple iOS, Android, and BlackBerry devices. The self-service tool enables users to search their archive to find messages, view message details, and retrieve messages to their inbox.

STRENGTHS

- Proofpoint's mobile access provides mobile end user and administrative capabilities for Apple iOS, Android, and BlackBerry device users.
- Proofpoint provides advanced eDiscovery capabilities, including: search, legal hold, and retention policies, natively within Proofpoint Enterprise Archive.
- The DoubleBlind Key Architecture ensures that Proofpoint maintains the data but does not have the encryption keys. Messages within the datacenter can only be accessed by authorized users that have the specific encryption key unique to each individual customer.
- Proofpoint's hybrid deployment architecture allows customers to safely encrypt data on-premises, while taking advantage of low-cost, low-maintenance cloud storage.
- Proofpoint Enterprise Archive is capable of archiving email messages, Bloomberg messages, IM's, social media content and files from desktops, file shares and Microsoft SharePoint repositories.

WEAKNESSES

- Proofpoint Enterprise Archive only supports Microsoft Exchange Server or Microsoft Office 365 messaging environments, other messaging platforms such as Google Apps for Work, or IBM Notes are not supported.
- Website archiving is only available through partner solutions.
- Proofpoint's DoubleBlind Key Architecture, while highly secure, requires the deployment of an on-premise appliance or a virtualized appliance, which may not be attractive to customers that are looking for a purely cloud-based solution. For customers seeking a pure cloud solution, however, a fully hosted deployment model without the DoubleBlind Key Architecture is available.

THE RADICATI GROUP, INC.
<http://www.radicati.com>

The Radicati Group, Inc. is a leading Market Research Firm specializing in emerging IT technologies. The company provides detailed market size, installed base and forecast information on a worldwide basis, as well as detailed country breakouts, in all areas of:

- **Email**
- **Security**
- **Instant Messaging**
- **Unified Communications**
- **Identity Management**
- **Web Technologies**

The company assists vendors to define their strategic product and business direction. It also assists corporate organizations in selecting the right products and technologies to support their business needs.

Our market research and industry analysis takes a global perspective, providing clients with valuable information necessary to compete on a global basis. We are an international firm with clients throughout the US, Europe and the Pacific Rim.

The Radicati Group, Inc. was founded in 1993, and is headquartered in Palo Alto, CA, with offices in London, UK.

Consulting Services:

The Radicati Group, Inc. provides the following Consulting Services:

- Management Consulting
- Whitepapers
- Strategic Business Planning
- Product Selection Advice
- TCO/ROI Analysis
- Multi-Client Studies

***To learn more about our reports and services,
please visit our website at www.radicati.com.***

MARKET RESEARCH PUBLICATIONS

The Radicati Group, Inc. develops in-depth market analysis studies covering market size, installed base, industry trends and competition. Current and upcoming publications include:

Currently Released:

Title	Released	Price*
US Email Statistics Report, 2016-2020	Mar. 2016	\$3,000.00
Email Statistics Report, 2016-2020	Mar. 2016	\$3,000.00
Instant Messaging Market, 2016-2020	Feb. 2016	\$3,000.00
Instant Messaging Growth Forecast, 2016-2020	Feb. 2016	\$3,000.00
Social Networking Growth Forecast, 2016-2020	Feb. 2016	\$3,000.00
Mobile Growth Forecast, 2016-2020	Jan. 2016	\$3,000.00
Endpoint Security Market, 2015-2020	Dec. 2015	\$3,000.00
eDiscovery Market, 2015-2020	Dec. 2015	\$3,000.00
Microsoft SharePoint Market Analysis, 2015-2019	Aug. 2015	\$3,000.00
Email Market, 2015-2019	Jul. 2015	\$3,000.00
Cloud Business Email Market, 2015-2019	Jul. 2015	\$3,000.00
Corporate Web Security Market, 2015-2019	Jul. 2015	\$3,000.00
Office 365, Exchange Server and Outlook Market Analysis, 2015-2019	Jun. 2015	\$3,000.00
Advanced Threat Protection Market, 2015-2019	May 2015	\$3,000.00

* Discounted by \$500 if purchased by credit card.

Upcoming Publications:

Title	To Be Released	Price*
Advanced Persistent Threat (APT) Protection Market, 2016-2020	April 2016	\$3,000.00
Information Archiving Market, 2016-2020	April 2016	\$3,000.00
Enterprise Mobility Management Market, 2016-2020	April 2016	\$3,000.00

* Discounted by \$500 if purchased by credit card.

All Radicati Group reports are available online at <http://www.radicati.com>.