6 Key Benefits of Archive One

1. Independent Repository Architecture
2. Granularity of archiving and searching
3. PST management
4. Borderless access
5. No SQL
6. Compliance speed and simplicity

1. Why is the Independent Repository Architecture so good?

Repositories (vaults) are stored on traditional drive storage such as DAS, NAS, SAN or Network File Share. Unlike other archiving systems Archive One couples the index with the archive data.

This has two benefits:

- The index and data become one logical set of data making backup and restore easy
- The repositories, and in particular the indexes, are independent of other repositories and indexes so that the failure of hardware associated to one repository has no impact on other repositories.

A repository can be defined as logical unit of extracted emails from the Exchange server (e.g. year 2004 data, year 2005, HR Dept data, Finance Dept data year 2006, etc). Unlike other archiving solutions, each repository is 'complete' and when a backup exists on media, it requires no further management, maintenance or to be a continued part of the daily DR regime.

This unique approach removes the significant cost of ownership and complexity to archived data whilst providing full functionality and scalability (it does not require the use of a database such as SQL Server therefore reducing costs and complexity).

Data re-acquisition is easy. Point and click at repository and the data and index are restored, immediately.

2. The granularity of the archive rule set

(Why the discovery engine is so flexible)

The Archive One rule set leads the market. It is the ability to analyse email before deciding whether to archive it. This applies to data within Exchange mailboxes, public folders and PSTs. The actions can be copy, move, delete, delete attachment or archive and can be driven by administrator defined rules (policies) or pre-set policies.

Most traditional archiving solutions can only archive emails based on age (>90 days) or size (>1MB) and then can report on the data once it has been archived. Our view is analyse before you archive. We can also analyse post-archive, but why wait until then. We can scan emails pre-archive at 2,500+ per second; far faster than we can write indexed and compressed data to disk

Archive One's ability for email analysis encompasses multiple attributes of an email from header information, body part, attachment name or content.

For example, we can look at an email and if we find it contains an .avi or .mp3 attachment, then examine if it is to/from the marketing department, and if not, then make the assumption the user has no right to keep the email or the attachment, give the users 7 days to do something about it and if nothing happens, delete it ourselves rather than clutter the archive with personal data.

Archive One can identify email data based on 50 plus email attributes combined with condition and values enables limitless discovery capability.

3. Total PST management, more than just PST handling

PST files are prevalent within corporations. They may contain critical business information; they may contain information that could trigger litigation; they cause user hardship when lost or corrupted. They are difficult to find and manage.

Archive One provides total PST management. Most competitors only offer some level of PST processing. Archive One can find and report on PSTs irrespective if they are located on network storage ***or local drives***. We can then offer two methods of removing the data, first is to copy the data directly to the central secure archive repositories and provide message links to this data back to the PST, the second option is to directly import the data from the PSTs pre, post or mid phase of archiving back to the mailboxes. Finally we can reclaim the whitespace left behind by the PST.

Archive One provides a high level management console to determine the best actions to take with the PST data and to schedule how and when to work with the PSTs without causing system bottlenecks through processing too much at one time. This is all achieved through a simple 'right click' operation. Furthermore the processing of the PST data is invisible to the users.

4. Why 'Borderless Access' is important

Email is one of the most important forms of business communication in today's world and users expect open access to their data. Therefore if data is archived it is essential that user access to this data is unhindered.

Archive One provides 'Borderless Access' to archived data. Users can gain access to their archived information through the following technologies:

- Outlook within the corporate network
- Outlook external to the corporate network
- Outlook away from the office and disconnected from the web and VPN!
- Any compatible Outlook Web Access (OWA) browser such as Internet Explorer, Firefox, Opera, Netscape, Safari
- Windows mobile 5 and 6 devices
- Palm devices using synchronised folders
- Any desktop client with the browser combination - such as Outlook Express, Eudora, Entourage, POP3 Clients, IMAP4 Clients

5. No SQL

Most archiving manufacturers use SQL Server for storing the indexing data (many vendors do not store the actual email data in the database). Archive One has embedded data management technology and does not require the use of a database such as SQL Server, therefore reducing costs and complexity.

The fast retrieve archive comprises of the original mail items and the index. Archive One batches up the original email items into blocks of circa 10 megabytes (before compression), to allow optimal throughput when backing up, and stores the index data alongside these blocks. There is no need for storing this data in a database (SQL Server), this simply adds to the complexity, ongoing maintenance costs and creates another point of failure. (The value of storing the index with the data is explained in the Independent Repository statement.)

Pros of using SQL Server

- It 'sounds' like an enterprise class system
- Administrators may feel comfortable because they believe they can manipulate the data, but without a detailed understanding of the schema any interpretation would be flawed and the data integrity could be compromised

Cons of using SQL Server

- Ongoing maintenance costs (labour, licensing, support, and SQL system sizing – how many Exchange experts are also SQL experts?)
- Another set of data that requires additional backup agents and procedures (in addition to archive data)
- Complexity of using additional backup agents in restoration of archive and index
- Additional points of failure (network connection to SQL, SQL Server application)
- Hardware costs (if no existing SQL Server)
- License Costs (if no existing SQL Server)
- Implementation costs (if no existing SQL Server)

6. Compliance needs simplicity and speed

Corporate litigation through email usage has become a major concern for many organisations. Yet the persons who provide support for the operation of email are not actually qualified to understand when data is irrelevant or litigious.

Archive One assists with compliance support through the capture of all emails whilst providing a simple interface for rapid searching of the data. From a single interface specific keyword searching can occur, the results of the search can be reviewed and / or exported to a universally accepted portable media that can be passed to qualified legal representatives. Tiered levels of admin allow security in searching, discovered items can be put on legal-hold to prevent them being deleted until cleared by the compliance officer.

Most search results can be collated in seconds ready for this export which maximises the effective time for legal to understand the results and if necessary request further connected information.

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