

Implications of Exchange 2010



EMAIL DATA MANAGEMENT

Email Archiving - Clients will be able to archive their email

Microsoft's definition of an email archive is an additional, secondary mailbox inside Exchange, so email will be split over two mailboxes instead of one. This approach does not provide any benefits of reducing the Exchange storage requirements or offloading significant amounts of data or easing backup/recovery. Further there is no offline access to the secondary 'archive' mailbox.

ArchiveOne allows clients to have archived email without going to different mailboxes and it offloads significant amounts of data from Exchange thereby improving backup/recovery times and system performance. ArchiveOne also provides an offline client allowing access to archived data whether online or offline.

PST Removal - Clients will be able to drag and drop PST files into their email archive.

Dragging a PST into their 'email archive' simply adds the PST content back into Exchange (therefore making additional storage demands etc). This is, at best, a partial solution for individuals, to the PST problem but it is not a solution for the whole organization as it creates a huge storage problem in the Exchange server. Further it relies on the user to know where the PST files are and to manually drag them into their archive, there is no central control or management to do this in an automated fashion.

ArchiveOne allows administrators to define rules to automatically or selectively import PST files into the archive, manage the data inside PST files, apply retention and more, but it does this in an intelligent and controlled manner that does not bloat Exchange storage. It also maintains all the benefits identified above in 'Email Archiving'.

Direct Attached Storage - 50% improvement in IO means that secondary (SATA) storage can be used instead of high cost primary storage

Disk IO has long been the bottleneck in Exchange, in Exchange 2010 Microsoft claim to have reduced the disk IO by 50% allowing the use of (slower) secondary storage instead of (fast) high cost primary storage for Exchange.

ArchiveOne goes much further in its storage benefits for Exchange Server. Allowing archiving of significant amount of data (80%+) whilst remaining transparent to end users. This provides a much better performance and number of mailboxes per server profile while also being able to take advantage of the reduction in disk IO. The drastic reductions in backup times that ArchiveOne can provide also offer great benefit in this area where Exchange storage is dramatically increasing (also see "Database Copies" below).

Database Copies - Mailbox data can be replicated across multiple local and remote mailbox servers and Exchange can automatically failover between servers in the event of a failure/corruption, with no impact to the end user

The 'Log Shipping' DR technology introduced in Exchange 2007 has been improved/superseded with a much easier to use feature that automatically copies mailbox data over two (or more, up to sixteen) mailbox servers. This is being touted as a replacement for 3rd party DR solutions and replication technologies (and in some cases even suggested as removing the need for backup); however there are some stringent requirements for network latency between sites, for it to work effectively.

ArchiveOne augments this technology by reducing the volume of data replicated around the organization. Instead of bloating the Exchange storage with large volumes of PST and Archive data and then compounding the issue by replicating multiple copies around the network, ArchiveOne allows all the features of Archiving, PST removal and more while reducing the storage requirements (and reducing the volume of data that must be replicated around the network). Those looking at Archiving solutions based around 'Log Shipping' should be wary, Microsoft are clearly making changes in this area and it could put those solutions at risk.

C2C's ArchiveOne® solutions provide email and file archiving, e-Discovery, compliance management, legal forensics and storage management tools. ArchiveOne:

- ▶ Allows clients to have archived email without going to different mailboxes
- ▶ Allows large volumes of data to be moved out to lower tier storage, while remaining accessible.
- ▶ Provides an offline client allowing access to archived data whether online or offline
- ▶ Allows organizations to import PSTs into their archive selectively, manage the data inside, and apply retention in an intelligent and controlled manner
- ▶ Provides an enterprise solution to the PST problem rather than a personal/individual solution
- ▶ Goes much further in its storage benefits for Exchange Server than Disk IO
- ▶ Augments DAG replication technology by reducing the volume of data replicated around the organization

