Enterprise Vault Whitepaper

Migration Tools Overview

This document provides an overview of the tools available to customers looking to migrate to Enterprise Vault, either from a different archiving product or from another Enterprise Vault environment, or customers simply looking to consolidate their existing Enterprise Vault sites.

If you have any feedback or questions about this document please email them to **EV-TFE-Feedback@symantec.com** stating the document title.

This document applies to the following version(s) of Enterprise Vault:

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Document Control

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Related Documents

Title	Date
Migrating and Consolidating File Servers with Enterprise Vault	June 2011
Managing Exchange Migrations with Enterprise Vault	August 2011
Move Archive Feature Overview Whitepaper	November 2011

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Scope of This Document

This document aims to provide an overview of the various tools available to the Enterprise Vault Administrator and consultant involved in a migration project. A number of different scenarios will be covered, including migrating from a different archiving solution to Enterprise Vault, moving archives within an existing environment and migrating from an on-premise Enterprise Vault environment to EV.cloud.

This document will mainly focus on migrating Microsoft Exchange email archives. See the "Related Documents" section for information on how to migrate other types of archives.

Intended Audience

This document is aimed at system administrators, solutions architects, and consultants. It is assumed that the reader has a thorough understanding of the architecture and operational aspects of Enterprise Vault.

Terminology Used In This Document

Term	Description
Archive	Also known as a Vault, typically one archive per user
Enterprise Vault Environment	A stand-alone, distinctly separate installation of Enterprise Vault
Enterprise Vault Site	A logical site container created as an administrative boundary in most cases. Normally only one Vault site per Enterprise Vault Environment
OSIS	Optimized Single Instance Storage – an optimized storage model available in Enterprise Vault 8.0 and newer to provide global single instancing of stored information
STEP	Symantec Technology Enabled Program
API	Application Programming Interface
Vault Store Group	A collection of Vault Stores grouped together to enable single instance sharing
Fingerprint Database	One fingerprint database per Vault Store Group. Holds single instancing information of archived items within a Vault Store Group
EV.cloud	Cloud based email storage management, legal discovery, and regulatory compliance solution offered by Symantec.
STEP	Symantec Technology Enabled Program (**STEP**) – Provides 3rd parties access to Symantec APIs, product software for testing purposes, certification and development support for solutions that integrate with Symantec products.

Considerations Before Starting a Migration Project

Due to the ever-changing nature of IT environments, it is likely that at some point an Enterprise Vault administrator will be required to make changes to the environment. Whatever the reasons for this change might be, there are challenges in moving large volumes of archived data.

As with any migration project there are certain risks involved. The most common risks involved in an archive migration project are:

- The migration taking much longer than expected, and therefore overrunning the allocated budget
- Downtime, and the disruption of end-user access to archived data
- Loss of data and/or metadata during migration

When considering how to safeguard data during the migration, an important point to consider when planning the migration is whether proving chain of custody is important to your organization. In eDiscovery terms proving chain of custody is necessary to "lay a foundation" for the electronic evidence in question, showing the absence of any form of alteration, substitution, or change of condition.

Migrating archived data is more complicated than simply transferring data from one system to another. Choosing the correct migration tool and understanding how the migration will impact on your data are key to the success of the project. The requirements for the data migration should be documented and reviewed against the migration tools available. If a 3rd party tool is to be considered then it should be developed by a Symantec Technology Enabled Partner and it should be tested and/or certified for use in your migration scenario and Enterprise Vault environment version.

Where possible always use a test environment to validate the technical aspects of the migration. Confirm your expectations of how long it takes to migrate a large quantity of data, and test the migration tool features such as reporting and error handling. Another key factor is ensuring administrators have adequate time in their schedule to manage the migration.

A strong partner ecosystem has evolved around migrating data within and into Enterprise Vault (as described in this document) and these partners have developed significant experience in managing large and complex migrations. It is important to note that data migrations from legacy and/or non-Enterprise Vault archiving solutions or different compliance storage platforms for example can be complex. Expectations should be set at all levels of the organization with regard to the time and effort involved and provisions should be made in the schedule for dealing with exceptions and changes as they occur. Key stakeholders such as the legal, storage and messaging teams need to be included in planning and project updates.

Migration Scenarios Covered In This Whitepaper

This whitepaper covers the following scenarios:

- Migrating single or small groups of archives between Enterprise Vault sites
- Migrating from environments running older versions of Enterprise Vault
- Re-organizing your existing Enterprise Vault environment
- Migrating from a different archiving solution to Enterprise Vault
- Migrating to EV.cloud

Symantec Technology Enabled Program (STEP)

There are two levels of partnership offered to 3rd parties who wish to develop migration solutions for Symantec Enterprise Vault:

- **Base** – Provides the 3rd party access to Symantec software for testing and supporting customers using their solutions.
- **API Technology Track** – Provides the 3rd party access to the Symantec Enterprise Vault API, development support and the ability to self-certify their solution. (Requires membership at the 'Base' level).

Self-certification involves the partner running their solution through a series of tests and certifying that their solution has passed these tests. Upon verification of these test results the solution is added to the **Symantec Enterprise Vault Compatibility Charts**.

Customer support for 3rd party solutions is provided by the 3rd party.

3rd Party Products Covered In This Whitepaper

There are a number of third party migration solutions available, and this whitepaper will not cover them all. The intention is to cover the most frequently used products, solutions developed by partners who have actively been working with Symantec on getting their solutions certified and tested and/or those developed by STEP partners.

Introduction to Migration Tools

The scenarios in this document cover the common migration requirements seen in the field. Note that most of the tools offer additional features and functionality outside the scope of any of the scenarios discussed – review the vendor's product data sheets for up to date information not covered in this whitepaper.

Outside of the tools discussed in this whitepaper there may be other methods for moving data or objects within Enterprise Vault. The following knowledgebase articles detail how to move a vault store or partition between servers within the same site:

- How to move a Vault Store partition or Vault Store on the same Enterprise Vault server from one location to another: **http://www.symantec.com/docs/TECH35742**

- How to move a Vault Store and Vault Store partition to a different Enterprise Vault (EV) server in the SAME site: **http://www.symantec.com/docs/TECH47388**.

Generally speaking, if the migration only involves moving components within the same Enterprise Vault environment it is worth checking the support site for a solution that does not involve migrating individual user archives, such as the above examples.

The remainder of this section will introduce the various different tools available for use in a migration:

- Moving archives using PST Export and Import
- Enterprise Vault Move Archive tool
- Akaibu Evolve
- Globanet Email Migrator (GEM)
- QUADROtech Archive Shuttle
- TransVault Migrator
- Vault Solutions Archive Accelerator

Note: At the time of writing all Symantec partners mentioned in this document were registered Symantec Technology Enabled Partners (STEP) in the API Technology Track except where noted otherwise.

For pricing please contact partner companies direct – most partner solutions employ a per GB pricing model.

Moving archives using PST Export and Import

Exporting a mailbox archive to PST and re-importing it at the new destination is an uncomplicated, effective way of doing a migration for a small number of archives. A PST-based migration does not need any special trust relationships between the source and target Vault environments. The process is so simple it does not require a test environment or additional training for the administrator – migrations based on exporting and importing PSTs are often done in-house without the need to involve additional 3rd party consultancy.

In cases where the source and target environments are connected over slow remote links this method can potentially speed up migrations - large volumes of data can be shipped to remote locations on USB drives for example.

Table 1 compares some of the pros and cons of doing a migration using PST files.

Pros	Cons
No additional software cost	Process is very manual and time consuming
Simple configuration – usually no extensive test environment required	Limited monitoring capabilities for large scale migration
Exported PSTs can be shipped to remote location on USB drive	Can only move Mailbox and Shared archives – Journal archives cannot be exported from the Vault Administration console
Configuration file created for each PST to make import identification easier	Does not make use of API's, slower export throughput compared to API-based tools
Exports can be multi-threaded	Vulnerable to human error
Works with any version of Enterprise Vault – Can export content from older versions to the latest release	
Likely to work with most types of migrations – including migrating from other mail or archive sources	

Table 1 – Pros and Cons of using PST Import and Export for migrations

Refer to knowledgebase article **http://www.symantec.com/docs/TECH35696** for a step by step overview of the process involved in a PST-based migration.

Enterprise Vault Move Archive tool

Move Archive is a free tool that ships with the Enterprise Vault product media. Move Archive allows the Enterprise Vault administrator to move Exchange and Domino mailbox and journal archives within or between Enterprise Vault environments and sites.

For mailbox archives, the destination archive can be the same Enterprise Vault site, a separate site, or a site that is located in another Enterprise Vault directory. Journal archives may only be moved within the same Enterprise Vault site. The version of Enterprise Vault on the source and destination servers must be at Enterprise Vault 8.0 SP4 or later. Archives can be moved between different versions of Enterprise Vault that reside in different directories – with some version restrictions detailed in Table 2.

From Version to Version	8.0 SP4 and later	9.0.x	10.0.x
8.0 SP4 and later	Supported	Supported	Not Supported
9.0.x	Supported	Supported	Supported
10.0.x	Not Supported	Supported	Supported

Table 2 – Versions of EV supported by Move Archive

Note that if an archive contains items that are under legal hold, such as from Discovery Accelerator, the archive cannot be moved. For detailed information and use cases see the "Move Archive Feature Overview Whitepaper" (**http://www.symantec.com/docs/TECH129236**).

Akaibu Evolve

Akaibu is a recently formed software development company focused specifically on archive migration tools. The Akaibu Evolve tool allows customers to migrate archives between different EV environments and also migrate data archives from on-premise to EV.cloud*.

Akaibu Evolve includes the following features:

- Supports migration of Exchange Mailbox, Journal, Public Folder and Shared archives between EV environments
- Archive data is transferred in bulk ahead of stub transformation, allowing for a quick switchover with minimal risk
- Real-time inspection during the migration removes the need to freeze source archives ahead of the migration
- Preserves chain of custody during the migration

Website: **www.akaibu.com**

Globanet Email Migrator (GEM)

Globanet offers a range of Enterprise Vault products, including the Globanet Email Migrator tool specifically designed to migrate Enterprise Vault data. A range of professional services including design, project management, support and customization of Enterprise Vault is offered directly to customers.

Globanet Email Migrator (GEM) includes the following features:

- Supports migration of Exchange Mailbox, Shared and Journal archives between EV environments
- Globanet offers an packaged services based "Assisted Migration" option to customers
- Supports a large number of email archive platforms, onsite & cloud*
- Experience in creating customized solutions built on EV APIs
- Maintains detailed audit reports to meet compliance needs
- Manages archived shortcuts to work with the new system
- GEM offers extensive monitoring capabilities - the ability to monitor for network outages and backup windows, email alerting on performance anomalies, Perfmon integration allows other monitoring applications an insight into the migration

Website: **www.globanet.com**

QUADROtech Archive Shuttle

Formerly Glasshouse EVtools, QUADROtech continues the development of a range of Enterprise Vault migration tools. Archive Shuttle TNG (The Next Generation) provides API-based export and import of Exchange Mailbox and Journal archives between different versions of Enterprise Vault.

QUADROtech Archive Shuttle TNG includes the following features:

- Supports migration of Exchange Mailbox and Journal archives between EV environments
- Preserves chain of custody during the migration
- Able to migrate data over the network or transportable media (such as a USB drive) or combination of both methods (e.g. Transfer data offline and then do the differential migration online)
- Tracks the movement of EV shortcuts, prevents duplicate shortcuts in target archive
- Able to start new data ingestion on the target archive without the need to disable the user on the source environment
- The ability to filter items based on date, retention category or path and route to different archive targets

Website: **www.quadrotech-it.com**

TransVault Migrator

TransVault is an independent software vendor, specializing in archive migration products. Amongst other related products, TransVault offers the "TransVault Migrator for Enterprise Vault" tool. TransVault has an extensive international network of delivery partners.

TransVault Migrator for Enterprise Vault includes the following features:

- Supports migration of Exchange Mailbox, Shared and Journal archives between EV environments (Public Folder support planned for Q3 2012)
- Supports the majority of email archive platforms, onsite & cloud*
- Maintains detailed audit reports to meet compliance needs
- Seamless shortcut conversion for end users
- Ability to migrate archived data to EV.cloud*
- Direct migration with no need for intermediate storage

Website: **www.transvault.com**

Vault Solutions Archive Accelerator

Vault Solutions offer a number of tools and related services to Enterprise Vault customers. Archive Accelerator forms the basis for a suite of tools, of which Import/Export module is used to move archives.

Archive Accelerator Import/Export includes the following features:

- Easy to install and configure, with no requirement for consulting services
- Maintains chain of custody during the migration
- Able to restore shortcuts to mailbox
- Installed directly on Enterprise Vault server, does not require additional hardware

Website: **www.vault-solutions.com**

Other 3rd Party Migration Tools

This section lists 3rd parties who are currently Base STEP partners.

Datawave Professional Archive Migration Manager (PAMM)

Datawave PAMM is a modular software-based migration tool offering direct API integration with Enterprise Vault and other archiving solutions. PAMM 5.1 focusses on migrating archives from on-premise solution to cloud-based providers, and does so without the need for any PST conversion processes.

PAMM offers the following features:

- Supports moving Exchange Mailbox and Journal archives between EV environments
- Full preservation of message content during migration and compliance with FRCP, SEC, SOX and NASD regulations
- Seamless migration with no end user interruption

- Multi-vendor support migrations to EV
- Support for EV.Cloud*

Website: **www.dtawave.com**

*Note: Migration of data to EV.cloud is currently provided by an 'export-ship-import' process where data is shipped to EV.cloud for import. EV.cloud support for an "over the wire" method is forthcoming. See "Migrating to EV.cloud" below for more information.

Migration Scenarios

This section will cover various common migration scenarios. Partners add new features and support for new platforms all the time so please feel free to use the information contained in the tables below as a quick reference and check with partners for up to date features and supported platforms.

Migrating single or small groups of archives between Enterprise Vault sites

It is not uncommon for geographically spread organizations to have more than one Enterprise Vault site, even more so in environments where their physical sites are connected by low bandwidth or high latency network links.

Migration Challenges

End users are often required to move to different office locations, and usually their Exchange mailboxes are moved to a mailbox server in the new office location. The "local" Enterprise Vault server in this instance would only be configured to target Exchange servers in the user's original location, therefore once the Exchange mailbox is moved it is out of reach of the local Enterprise Vault server. The user will still have access to previously archived items, but no new items will be archived.

If it's only a short term arrangement and the user mailbox is likely to be moved back to the original location, then it might be a viable solution to leave the archive in place. If however the arrangement is long term then it is recommended to move the archive to the new Enterprise Vault environment to continue offering archive services to that user.

Suitable Solutions

The archive can be moved with the PST export and import process as described earlier in this document. However in environments where users move around on a regular basis, this type of activity can become a very time consuming burden on administrators.

The Enterprise Vault Move Archive tool is designed to help move archives between Enterprise Vault environments or sites. The tool provides the necessary workflow and monitoring to help make moving a small number of users a simple task for administrators. For detailed information and use of move archive refer to the Move Archive Whitepaper (**http://www.symantec.com/docs/TECH129236**).

Migrating from older versions of Enterprise Vault

Enterprise Vault upgrades are typically performed one version at a time, and all Vault servers are required to be upgraded within the same upgrade window.

Migration Challenges

In larger environments, multiple upgrades on a large number of servers can be challenging, especially where multiple sites are involved and a number of different time zones are supported.

It is often the case that later versions of a product have features that are either necessary or desirable in the environment, and this requirement can be strong enough to justify an upgrade. The administrator may wish to upgrade to a version of Enterprise Vault that supports the latest version of Exchange Server, or the older version of Enterprise Vault is no longer **supported**. Other reasons to upgrade may include complimentary features such as Data Classification Services, new features in Discovery Accelerator, or integration with Clearwell.

Suitable Solutions

In most cases the best practice would be to upgrade the Enterprise Vault environment but if the effort required to upgrade multiple versions is deemed too costly or too high a risk, a new green field Enterprise Vault environment can be configured and archives can gradually be migrated from the old environment(s) to the new sites.

Table 3 details the tools suitable for migrating from older versions of Enterprise Vault.

Migration Tool	Suitable?	Solution Detail
PST Import/Export	✗	• Costly administrative overhead - time consuming, vulnerable to human error • Loss of shortcut functionality • Slow data transfer speeds • Loss of some metadata objects such as BCC recipients
Move Archive	Partial	• Confirm version compatibility of both environments • Move Archive is not designed to move large numbers of archives • Slower than other tools due to extra verification performed on migrated data • Not possible to move Journal archives between Enterprise Vault sites, only within the same site • Migration of Public Folder archives is not supported

Migration Tool	Suitable?	Solution Detail
Akaibu Evolve	✓	• Supports migrating via the API from Enterprise Vault 7.0 and later. Migration from earlier versions is supported through PST extraction.
Globanet Email Migrator	✓	• Supports migrating from Enterprise Vault 7.5 (2007) and later
QUADROtech Archive Shuttle TNG	✓	• Supports migrating from Enterprise Vault 5.0 and later
TransVault Migrator	✓	• Supports migrating from Enterprise Vault 5.0 and later with no requirement to export to PST
Vault Solutions Archive Accelerator	✓	• Supports migrating from Enterprise Vault 6.0.3 and later

Table 3 – Suitable solutions for migrating from older versions of EV

Re-organizing your existing Enterprise Vault environment

It is not unheard of for requirements to change - quite often solutions designed for a particular purpose needs to be re-engineered after a period of time.

Migration Challenges

When a re-design or re-organization is required in an archiving solution, quite often the sheer volume of data to be migrated is enough to intimidate any administrator. Therefore to accommodate such a re-design it is essential that the tool used can scale to large volumes with adequate performance, manage tasks in the background without interrupting end users and provide sufficient reports back to the administrator.

A re-organization can also be brought on by other factors – such as the optimized single instance storage engine (OSIS) found in EV8.0. Depending on the configuration of the old environment, it may be possible to obtain a significant reduction in storage footprint by re-ingesting data into OSIS-enabled Vault Store Groups provided by EV8.0 and later versions.

Changes in the IT infrastructure, such as a consolidation of data centers or an upgrade of previously low bandwidth links, might bring on a requirement to consolidate a number of Enterprise Vault environments or sites into a single site.

Changes in storage requirements are likely at some point during the life of an archiving solution. Whether it be the replacement of one specialized storage platform with another, or migrating from a SAN to a WORM-based solution, the chosen migration tool should guarantee data is not at risk during the migration. If migrating from or to a compliance type storage device, it may be necessary to confirm that the organization's requirements for retention are met during the migration. Investigate whether existing retention categories or device-set retention periods should be retained on the new storage device.

Suitable Solutions

Table 4 details suitable solutions for re-organizing an existing EV environment.

Migration Tool	Suitable?	Solution Detail
PST Import/Export	✘	• Costly administrative overhead - time consuming, risk of error • Loss of shortcut functionality • Slow data transfer speeds • Loss of metadata such as BCC recipients
Move Archive	Partial	• Move Archive is not designed to move large numbers of archives • Slower due to extra verification performed on migrated data • Not possible to move Journal archives between Enterprise Vault sites, only within the same site • Migration of Shared and Public Folder archives is not supported
Akaibu Evolve	✓	• Non-disruptive to end users • Chain of custody information is retained • Auditing functions allows email to be "fingerprinted" during the migration to ensure absolute integrity
Globanet Email Migrator	✓	• Non-disruptive to end users • Chain of custody information is retained • Each migration task is a separate process/service, allowing better performance
QUADROtech Archive Shuttle TNG	✓	• Non-disruptive to end users • Chain of custody information is retained • Ability to start ingestion on the target environment, without disabling the user archive on the source environment

Migration Tool	Suitable?	Solution Detail
TransVault Migrator	✓	• Filtering capabilities to streamline the new archive – migrate only the required data • Multithreaded and Multi-server capable • Chain of custody information is retained • Direct migration between platforms without the need for intermediate storage • Management and reporting capabilities
Vault Solutions	✓	• Chain of custody information is retained • Failed items reported on and can be retried • Designed to scale to support billions of items

Table 4 – Suitable solutions re-organizing your EV environment

Migrating from a different archiving solution to Enterprise Vault

During a merger or acquisition it is likely that the data stored in one or more archiving solution needs to be migrated to the corporate standard archiving solution.

Another case for migrating from a different archiving solution is in the event of a competitive replacement, and the data needs to be migrated to a new Enterprise Vault environment.

Migration Challenges

Migrating from one product to another can be very challenging. The vendors of the out-going competitor products are not likely to provide much assistance, especially when required to troubleshoot migration scenarios. Building the solution in a test environment is therefore important in this scenario, and ensuring extra time is spent on planning the migration. With large volumes of sensitive corporate electronic data it is essential that the project is successful, no data is lost in the migration process and end users are not disrupted at any point.

As mentioned earlier in this document retaining the chain of custody during a migration is crucial; simply extracting the content from the source archive to MSG files or PST file is likely to result in loss of metadata. Any form of change in the original item will break the chain of custody. Most third party migration tools are designed to maintain the chain of custody during a migration, with special connectors designed specifically for the source archive solution.

When choosing a migration tool for this scenario, ensure that the exact version of both source and target products are supported. For example, if you are planning to migrate to the very latest version of Enterprise Vault only released the previous week it is worth confirming whether the migration tool certification against that version is complete.

Suitable Solutions

Table 5 lists the migration tools suitable for migrating data from a different archiving platform.

Migration Tool	Suitable?	Solution Detail
PST Import/Export	✘	• Costly administrative overhead - time consuming, prone to human error • Slow data transfer speeds

Akaibu Evolve	✔	• Migrate from the following to Enterprise Vault:
		  o Zantaz EAS
		  o Exchange 2010 Personal Archive
		  o Any archiving solution allowing export to PST and MSG

Globanet Email Migrator	✔	• Migrate from the following to Enterprise Vault:
		  o CA Message Manager
		  o Exchange 2010 Personal Archive
		  o Mimosa (soon to be supported)
		  o Any archiving solution allowing export to PST, NSF, MSG, EML and DXL

TransVault Migrator	✔	• Migrate Enterprise Vault Domino archives to Enterprise Vault Exchange archives, and vice versa
		• Migrate from the following to Enterprise Vault for Domino or Exchange:
		  o Autonomy ZANTAZ EAS for Exchange or Notes
		  o Autonomy Message Manager for Exchange, Notes & GroupWise (formerly CA Message Manager)
		  o Autonomy ZANTAZ Digital Safe
		  o Autonomy NearPoint (formerly Iron Mountain/Mimosa)
		  o Exchange 2010 Personal Archive
		  o EMC EmailXtender for Exchange or Notes
		  o EMC SourceOne for Exchange or Notes
		  o HP RISS / IAP
		  o iLumin Assentor
		  o Metalogix Archive Manager for Exchange
		  o OpenText IXOS-eCONserver
		  o Quest Archive Manager
		  o Or, additionally any archiving solution allowing export to PST, NSF, MSG and EML

Migration Tool	Suitable?	Solution Detail
Vault Solutions	✓	• Supports migrating to Enterprise Vault from any product that supports exporting to EML or PST

Table 5 – Suitable solutions for migrating from other archiving platforms

Migrating to EV.Cloud

Many companies are looking at cloud-based solutions for email; with no hardware or software required it's often a more financially attractive solution compared to hosting very large volumes of data on premise. EnterpriseVault.cloud (EV.cloud) offers a very comprehensive solution for email retention, storage management, eDiscovery and regulatory compliance.

Migration of data to EV.cloud is currently provided via an 'export-ship-import' process where data is shipped to EV.cloud for import. This method allows for the migration of very large data volumes (Terabytes) in a safe and controlled manner.

Many STEP partners have extended their existing/mature migration tools to provide an "over the wire" migration option for migrating historical data into EV.cloud. EV.cloud support for an "over the wire" migration method as well as a program to provide self-certification of 3rd party EV.cloud migration solutions is forthcoming. This method of migration will mainly be dependent on the size of data to be migrated and amount of bandwidth available for the migration process. It is expected that this method of migration will be suitable for smaller migrations and the larger, multi-Terabyte, migrations will be handled via the 'export-ship-import' method as they are done today. Work with the migration partner to determine which method of migration is best suited for your specific migration requirements.

In some cases the folder structure of the items as they are seen in the current archive can be preserved and migrated to EV.cloud. Licensing of data migration into EV.cloud typically consists of two components: a fee for the migration service (if using a 3rd party solution/service) and an EV.cloud fee for historical data import. Work with the migration partner and/or the EV.cloud team to confirm the fees required for EV.cloud data migration.

Migration Challenges

Moving from an on-premise archiving solution to a cloud-based solution requires careful planning - especially when considering the impact of cleaning up the legacy shortcuts in user's mailboxes. The migration is likely to change the way users interact with archived email, therefore it will require a clear communication plan and appropriate end user training.

Ensure that the migration tool is able to provide a full audit trail and confirmation that data have been migrated successfully. It is important that the domains, accounts and aliases for users to be migrated to EV.cloud are created before to data is migrated to ensure proper data mapping.

Depending on the source and completeness of the data the undisclosed recipients (such as DL membership and BCC recipients) may or may not be available for migration. Care should be taken when moving journal archives and items placed on legal hold in the source environment. It may be necessary in some cases to leave some data in place until legal holds can be lifted. Work with the migration partner and/or the EV.cloud team to confirm the details and expectations for the specific migration scenario.

Suitable Solutions

Table 6 lists the migration tools suitable for migrating to EV.cloud.

Migration Tool	Suitable?	Solution Detail
PST Export	✓	• Enterprise Vault on-premise to EV.cloud
Akaibu Evolve	✓	• Enterprise Vault on-premise to EV.cloud
Globanet Email Migrator	✓	• Enterprise Vault on-premise to EV.cloud
TransVault Migrator	✓	• Enterprise Vault on-premise to EV.cloud • Microsoft Office 365 to EV.cloud • All on-premise solutions listed in Table 5 to EV.cloud

Table 6 – Suitable solutions for migration to EV.cloud

About Symantec:

Symantec is a global leader in providing storage, security and systems management solutions to help consumers and organizations secure and manage their information-driven world.

Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored.

For specific country offices and contact numbers, please visit our Web site: **www.symantec.com**

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