



**cloudficient**  
EMPOWERING DIGITAL TRANSFORMATION

# Enterprise Vault Migration Preparation Guide

V1.4

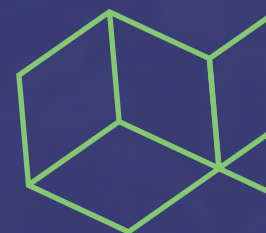


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# Introduction

This guide will prepare you for the data transformation project which is ahead of you. If you're reading this, you're interested in migrating legacy archive data from Enterprise Vault to Office 365. It could be:

- User archives
- Journal archives
- Other data archives like SharePoint or File System Archives

Let's start by describing the top 5 things to consider when you are migrating Enterprise Vault data to Office 365.



# Top 5 Things to Consider When Migrating Enterprise Vault to Office 365

## 1. Take a step back

Consider all the dependencies across the scope of the whole project. There are obvious ones like:

“I can’t ingest data into an Office 365 personal archive that doesn’t exist”.

But many are more subtle and might be unique to your project or your organization.

## 2. Brace for impact

You may have 100’s of millions of archived items in Enterprise Vault from many years of archiving. That will have been a moderate load on your SQL server and Enterprise Vault environment, but during migration you’re effectively going to get all that load again in a much shorter timeframe. Is your environment up to the job?

## 3. Choose the right migration architecture

Most migrations are done by three leading vendors, and while they have different technology generations, Cloudficient is the only cloud native, next generation technology.

## 4. Always do a proof of concept! Always!

Some vendors will ask you why you want to do a proof of concept, at Cloudficient we turn that on its head and say:

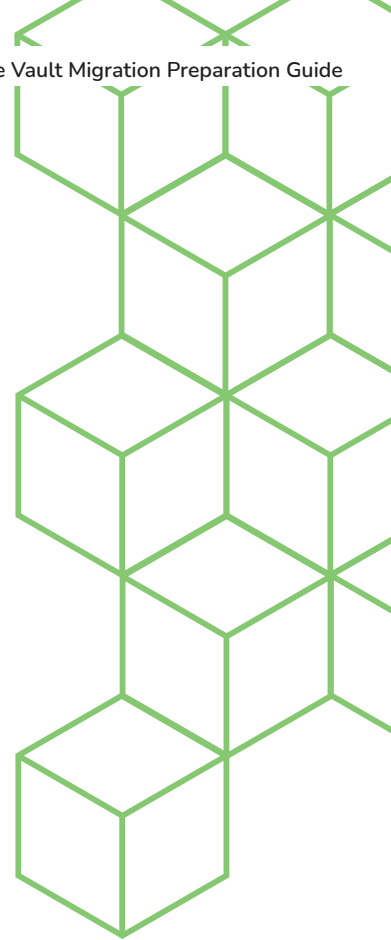
“Why wouldn’t you want to do a proof of concept?”

Your project might cost 10’s or 100’s of thousands of dollars and we firmly believe that you absolutely should test the technology in a no-cost, no-commitment engagement with your users and your data.

## 5. Prepare for the unexpected

Environment may change in that time. Unexpected things might happen during that time. For example, Microsoft Service Protection Throttling, which has a dramatic impact on ingestion speed into Office 365.

Does your chosen solution cope well with things like that or other changes that might be round the corner? Cloudficient takes an agile, pragmatic approach to its underlying platform and technologies, making changes quickly and effectively when necessary.



# Always do a POC! Always!

[Click here](#)

**ALWAYS DO A PROOF OF CONCEPT**

Why not test our technology with a proof of concept? It will be with your users, in your environment with your data.

No cost, no commitment, no problem!

# Manual EV Archive Migration Methods

The following tools and processes could be used:

- Extracting Data to PST
  - EV Export Archive (wizard)
- Importing Data
 

These are the options available for importing data:

  - PST Importer via Network (Microsoft – free, but slow)
    - » Upload the PST files over the network to a temporary Azure storage location in the Microsoft cloud. Use the Office 365 Import service to import the PST data to mailboxes in your Office 365 organization
    - » Upload to Azure storage may have daily limits
    - » Using Azure as an intermediary is not free (may incur data transfer and storage costs)
  - Drive Shipping (Microsoft - \$2,000/TB)
    - » Copy the PST files to a BitLocker-encrypted hard drive and then physically ship the drive to Microsoft. When the drives are received, data center personnel upload the data to a temporary Azure storage location in the Microsoft cloud. Use the Office 365 Import service to import the data to mailboxes in your Office 365 organization.





# Limitations and Challenges of Migrating Manually

Native tools, while serviceable, are just that; a collection of scripts/tools/processes which must be managed carefully to ensure a successful project. Typically, spreadsheets are used to track the status of each user's onboarding/migration process – their mailbox, their archive and the 20 or so other steps that are required to fully onboard a user from on-premise to Office 365.

## Other drawbacks include:

### Scalability



While it is relatively straight forward to migrate 1 user, 10 users, or maybe even 50 users, managing onboarding tasks and archive migrations for 1000s of users quickly becomes overwhelming, cumbersome, and prone to error.

### Performance



Using native tools puts the responsibility of keeping the project on track with the individuals executing these tools.

How do you keep the migration velocity consistent?

How do you ensure you are not affecting production operations?

### Human Error



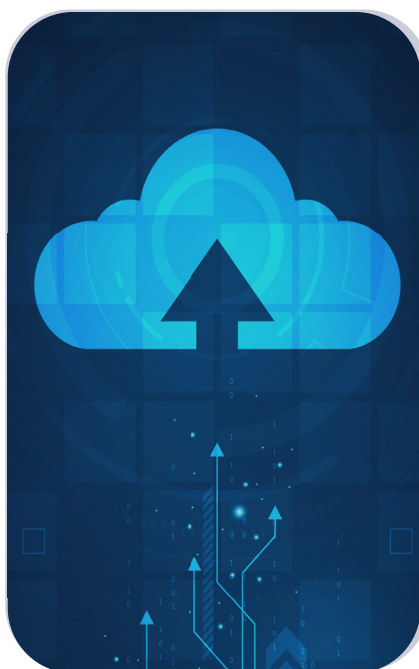
Attempting to manage onboarding tasks and archive migrations with native tools, scripts, and spreadsheets will introduce risk. Many manual steps will need to be orchestrated in the correct order. Tracking this is difficult; steps will be missed.

### ROI/Cost



How much will the migration cost in man hours for a company if they migrate at their pace using native tools?

- If paying \$20 per user per month for an E3 license but not fully utilizing it, how much money is being wasted?
- Native Tools will require on-premise hardware to maintain performance levels
- Native Tools will require one or many FTEs to manage, which often delays other high-value IT-related projects



### Project Governance



Who has been migrated and when?

What was the status of each step?

What failures occurred and why?

Audit records of a migration are important to ensure your onboarding process has met the goals of the project. Native Tools require manual governance.

# Empowering Digital Transformation

With cloud platforms handling a majority of infrastructure needs, a growing focus is managing the movement of business data throughout the enterprise lifecycle. This includes everything from cloud onboarding, compliance migrations, or expiring legacy data, to restructuring events like mergers and acquisitions.

Cloudficient orchestrates these transitions, handling complex enterprise transformation scenarios as a business process, end to end with cloud native technology.





# It's More Than Migrating Data

Cloudficient offers fully customizable migration workflow templates which serve as a fully auditable blueprint for migrations – allowing for enhanced project governance. The templates may apply to archive migrations and/or Office 365 onboarding tasks. Workflow tasks include:

- End User communication,
- O365 licensing and provisioning,
- EV migration and deprovisioning,
- Home drive to OneDrive,
- Setting mailbox properties, etc.

In this example you see that there is much more involved with a migration than just copying the data:



The progress through this template and which template is applied along with other project governance information is handled by our ReMAD platform. At the core of it is the workflow orchestration engine. As many of these templates that are required for the project can be created and applied to each user or archive that needs to be processed.

# What About Leaver and Journal Data?

Assuming you are planning to fully decommission your legacy on-premise archiving system, there are additional buckets of data worth mentioning.

In addition to mailbox moves and end-user archives, Cloudficient also offers the ability to migrate orphaned archives (Leavers) and journal archives for compliance and eDiscovery. These archives are typically required to be maintained as per corporate record retention policies and/or compliance regulations, so bringing them into a platform like Office 365 will help you to fully decommission your legacy archive.

## Leaver



Archives which are not associated with active users (no active AD account, no mailbox, or a combination of the two) are called orphaned archives or “Leaver” archives. These archives contain email data from users which have departed your organization.

## Journal



Journal Archives are used for legal, regulatory and organizational compliance requirements. Your company may be journaling all users or a specific subset of users. These journal archives are typically used for eDiscovery purposes, so bringing them into a platform like Office 365 will enable you to start using the native eDiscovery tools in Office 365.

## Migrating Leavers and/or Journal Archives

Cloudficient has developed an automated workflow to make transitioning these archives to Office 365 easily without occupying a permanent Office 365 license. The process requires a small pool of temporary licenses, either Exchange Online Plan 2, or E3 licenses. Once the process is complete, these licenses are not needed and can be used for other purposes.

The process is very similar for the two types of archives. For example: the below workflow steps are executed for each orphaned archive to migrate to Office 365:

- Create cloud-only user based on archive name with a custom prefix for easy identification
- Assign Temporary License
- Set Litigation Hold
- Migrate Data
- Remove License
- Hide from Global Address List

The journal workflow is slightly different in that it entails creating many target mailboxes to house the data. The journal is “split” into discrete segments (based on size) and the data is then migrated to these target mailboxes in parallel. (based on the number of temporary licenses available)

Journal data will be comingled, meaning each mailbox will contain data from many custodians – just like it was in the source archive. Leaver data will be separate – each orphaned archive will have a different target mailbox, based on a custom prefix and the archive name.

Once the process is complete, these archives (journals and/or leavers) will be searchable via Office 365’s eDiscovery Tools (compliance center) and will give you additional confidence towards decommissioning your on-premise archive solution – all without occupying permanent Office 365 licenses.



# Is There a Different Way?

[Find Out More!](#)

Customers which have large journals, let's say >100TB, may want a different solution to house their legacy journals. Cloudficient offers additional products and services to address these needs.

With a combination of long-term retention and disposition capabilities along with data delivery on demand to desired eDiscovery targets, Expireon enables faster time to ROI when retiring legacy systems while expiring or transitioning data in the most cost-efficient way possible.



With unmatched next generation migration technology, Cloudficient is revolutionizing the way businesses retire legacy systems and transform their organization into the cloud. Our business constantly remains focused on client needs and creating product offerings that match them. We provide affordable services that are scalable, fast and seamless.

If you would like to learn more about bringing Cloudficiency to your migration project, visit our website, or contact us.



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