

Quest® Migration Manager for Email Archives 9.7

Release Notes

November 2019

These release notes provide information about the Quest® Migration Manager for Email Archives 9.7 release.

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About this release

Migration Manager for Email Archives 9.7 is a major release with enhanced features and functionality. See [New features](#) and [Enhancements](#) for details. These notes can also be found on the Quest Support Portal at <https://support.quest.com>.

i **IMPORTANT:** Special considerations might be necessary when upgrading large item databases. TLS 1.0 is required when running the Migration Manager for Email Archives installer and can be removed after the installation is complete.

New features

The items below were added to Migration Manager for Email Archives 9.7:

Table 1. New Features

Enhancement	Issue ID
Metalogix Archive Manager as a source is now supported.	78353
The module installer was enhanced to support the installation of a Metalogix Export Module.	79048
UI and SQL database changes were made to support Metalogix Archive Manager as a source.	78352
6 PowerShell commands were updated to extend support to Metalogix Archive Manager as a source.	78351

Enhancements

Table 1. General enhancements

Enhancement	Issue ID
During migrations from Enterprise Vault to Enterprise Vault, folders are now handled more appropriately.	81816
A tenant can now be set to “sleep mode” via PowerShell. When enabled (it’s disabled by default), sleep mode stops processing of tasks and requests from modules.	82265
Import folder assignment behavior for Journal Explosion mappings was enhanced. Naming policies will be assigned to Journal Explosion users/leavers by default, after the user/leaver is added. Here are the default policies: <ul style="list-style-type: none">• Active Users (Default): Naming policy for JE Users. Items will be ingested to the Recoverable/Purges folder.• Leavers (Default): Naming policy for JE Leavers. Items will be ingested into the Journal Items folder.	81100
Several PowerShell scripts related to Journal Explosion processes were optimized.	76913
When using Journal Explosion, the handling of too long or not valid email addresses was enhanced. Long addresses (more than 64 characters before the @) are marked as not valid. Additionally, validation was added to JE Token creation, JE Grouping, and Adding Leavers via UI and CSV.	79299

Table 2. Performance enhancement

Enhancement	Issue ID
Various enhancements were made to the Failed Items page to improve performance and usability.	58471

Release history

Migration Manager for Email Archives 9.6

The items below were added to Migration Manager for Email Archives 9.6:

Table 1. General enhancements

Enhancement	Issue ID
When using Journal Explosion, it's now possible to manually map to single target mailbox.	79281
The user interface and SQL were adjusted to support a new source that will be introduced in a future release.	77775
When using Journal Explosion, the Time to expire inactive items setting can now be disabled by entering 0 .	77488
During Journal Explosion, if a user's primarySMTPAddress was changed during (or before) ingestion, they're now handled successfully. On the JE Users Management page, they're marked as having an invalid address. Then, a new Fix Invalid SMTP Addresses button can be used to resolve the issue.	58347
PST files are now verified upon completion, before they're moved to the PST file target location. A PST file is considered "verified" when they can be opened (showing they're not corrupt) and the count of ingested items in the target PST is as expected.	62939
The Native Format Import (NFI) module now ingests items in processes, rather than threads.	75408
A new module and commands were created to support a new source that will be introduced in a future release.	77776
Adjustments were made to Migration Manager for Email Archives Core to support a new source that will be introduced in a future release.	77795
PST as a source is no longer supported for Journal Explosion.	78602
For Journal Explosion to PST migrations, mapping ownerless users to an original smtp address is now supported.	71521
Two new PowerShell commands are available to support finalization of JE leavers.	74211
Modules that use EWS now support OAuth/modern authentication.	56199
Microsoft EWS API version 2.2 is now used and Exchange import module trace entry text was enhanced.	74771 56175
The database upgrade process was enhanced for better selection of upgrade scripts for execution.	75287

Several development components were updated. For example, LLBLGen was updated to version 5.5.3 (DB) and DevExpress was updated to version 19.1.4 (UI).

i **NOTE:** Please note, requirements have changed for modules. Check your .net compatibility before installing Migration Manager for Email Archives 9.6. Special considerations might be necessary when upgrading large item databases. For upgrade instructions and in case of any doubts contact Quest Support at <https://support.quest.com>.

Table 2. Performance enhancements

Enhancement	Issue ID
Performance and handling of queuing of Journal Explosion items for ingest was improved. It is disabled by default.	56203

Enhancement	Issue ID
On the Journal Explosion Leavers Management page, performance was improved of the Enable for Import , Merge Leavers , and Merge Leavers by Preview actions.	78962
The triggering and execution of the Retry Failed Items action from the Failed Items report was enhanced.	74768

Migration Manager for Email Archives 9.5

The items below were added to Migration Manager for Email Archives 9.5

Enhancements

The enhancements below were implemented in Migration Manager for Email Archives 9.5:

Table 1. General enhancements

Enhancement	Issue ID
Enterprise Vault 12.4 is now supported as a source and target.	56205
Collection and migration of archives from Quest Archive Manager (QAM) 5.6.0.103 is now supported.	71520
When using Journal Explosion, mailbox quota information now displays on a new JEMailboxQuota page. The mailbox quota threshold can be configured on the Journal Explosion Settings page. For more information contact Quest Support at https://support.quest.com .	71424
When using Journal Explosion, you can now convert a shared mailbox exceeding quota to a regular mailbox so ingestion can continue.	58489
The Default Stage 1 view now includes Journal Explosion mappings..	56174
When PST is a Journal Explosion target, items for a certain user can be re-exported.	56178
Exploded email addresses filtering has been implemented to limit UI to users in scope for Journal Explosions.	58479
Office 365 Mailboxes with no association to synchronized Active Directory users can now be synchronized and used in mappings.	62806
Proxy addresses for existing Journal Explosion users are now supported.	73082
Global management of leavers was enhanced via 2 new PowerShell commands covering mailbox storage quotas in Journal Explosion.	56181
Now, when you perform an action against an Office 365 link, only modules associated with that link are used in the execution of the applicable command.	56186
Enterprise Vault journal archives without a P1 header (not regular Exchange Envelope journaled messages) are supported in Journal Explosion migrations.	56190
It's now possible to run Core Windows services on multiple machines.	56197
Windows Server 2019 is now supported.	74394
The Journal Explosion ItemRouting batch size is now configurable.	74819
FTP settings (URL, username, password) are no longer hardcoded for the ExportFailedItemsToFTP command and use the settings from System Configuration.	56194
You can now opt to include Journal Explosion sub-mappings (detail grids) in the exported report.	56184
The option to set In-Place holds for Office 365 leavers has been removed in preparation for Microsoft feature deprecation.	56188
The Progress & Performance and Performance pages can now be configured to display compressed sizes.	58334

Table 2. Performance enhancements

Enhancement	Issue ID
SQL was optimized, and temporary tables have replaced in statements containing a lot of parameters.	56179

Migration Manager for Email Archives 9.4

The items below were added to Migration Manager for Email Archives 9.4

New features

The features below were added to Migration Manager for Email Archives 9.4:

New Feature	Feature ID
Existing leavers (those created with Migration Manager for Email Archives 9.3 or earlier) are upgraded along with the Migration Manager for Email Archives solution.	56082

Enhancements

The enhancements below were implemented in Migration Manager for Email Archives 9.4:

Table 1. General enhancements

Enhancement	Issue ID
Stage2 commands were updated to support inactive mailboxes for leavers in Office 365.	56043
Source archive association for moved target mailboxes is now supported.	59339
PowerShell commands were created and updated to better support Journal Explosion functionality.	56021
When migrating journal archives, leavers are now handled on a global level. So, for example, the same user from different journals can be ingested to the same target mailbox.	56056
The process of automated leaver handling for Journal Explosion targets was optimized.	56055
During the journal archive migration process, Migration Manager for Email Archives now handles SMTP addresses not paired with Active Directory information for PST and Exchange as targets.	56104
Support was introduced for user-defined mailbox naming tokens per container mapping in JE to Office 365 migrations.	58474
The process of recreating a deleted user was updated to align with the new Journal Explosion leaver process.	56170
Staging area disk utilization checks now return actual value rather than calculated value for more accurate reporting.	58452
The Native Format Import (NFI) module was extended to use SmartThreadPoolTaskScheduler.	58453
Completed Journal Explosion mappings are now omitted from the Last 10 Completed Users widget on the Progress and Performance dashboard.	59252
The System Health page was enhanced and does no longer show warnings related to the listed Office 365 license SKUs having no active licenses.	59312
The process of getting items for PST import was enhanced. Items can now be prioritized for ingestion across containers.	58468
PowerShell support was added for the auto enablement of users within a Journal Explosion migration.	56250

Enhancement	Issue ID
Staging area cleanup was enhanced to only permit one command to run at a time.	56155
We now support ingestion to Exchange Online using modern Azure Active Directory (OAuth) authentication.	56223
Folder splitting checks are no longer executed when the feature is disabled.	58465
Leavers are now handled on a global level, across multiple journals, mappings or links.	56117
The Updater module was enhanced. The PowerShell module and Credentials Editor can now be updated via the Updater module.	56217

Table 2. Performance enhancements

Enhancement	Issue ID
The most resource consuming SQL queries were enhanced.	58472

Migration Manager for Email Archives 9.3

The items below were added to Migration Manager for Email Archives 9.3.

New features

The features below were added to Migration Manager for Email Archives 9.3:

New Feature	Feature ID
New features to Migration Manager for Email Archives are now introduced as Preview Features. Preview Features must be enabled to be accessed. Although no Preview Features are currently available, in the future, a new feature will be released for preview before its general availability.	35864

Enhancements

The enhancements below were implemented:

Table 1. General enhancements

Enhancement	Issue ID
The Lock Active Mapping setting under General System Settings is now enabled by default. Additionally, the setting cannot be changed from the UI. As a result, by default a user is unable to delete mappings when Stage 1 or Stage 2 are incomplete.	34667
A set of PowerShell commands were added to the library to allow Mapping Templates to be set via PowerShell. For more information, contact Quest Support .	35479
ASModule PowerShell commands were improved and additional parameters were added. For more information, contact Quest Support .	35560
Scheduled tasks and maintenance tasks are now part of the AS.Core service.	35668
Enterprise Vault 12.3.2 is now supported. Contact Quest Support for a full list of software applications that are compatible with Migration Manager for Email Archives.	34743
The handling of users who leave the organization during a migration was enhanced. If a user becomes a leaver and is marked as IsDeleted then a new leaver mailbox is created and data is ingested into this mailbox. For more information, contact Quest Support .	34743
Enhancements have been made to the Journal Explosion Import from CSV feature to permit more “real world” attributes to be used and an option to update existing mappings or not. For more information about Journal Explosion, contact Quest Support .	34857
During Journal Explosion, you can auto-enable certain users and domains for import based on configurable rules.	35193

Enhancement	Issue ID
For more information about Journal Explosion, contact Quest Support .	
Cleaning up the Journal Explosion staging area is now faster and easier. SQL scripts were enhanced. And, a new setting was added (called Time to expire inactive items), which deletes files from the staging area when they're inactive for more than the number of hours specified.	35040

Table 2. Performance enhancements

Enhancement	Issue ID
SQL was optimized, and temporary tables have replaced in statements containing a lot of parameters.	35494
Several performance improvements were made on the Bulk Mapping page.	35671

Migration Manager for Email Archives 9.2

The items below were added to Migration Manager for Email Archives 9.2.

New Features

The features below were added to Migration Manager for Email Archives 9.2:

Feature	Issue ID
Support was added for PST files as a Journal Explosion target.	34654
Templates can be created and assigned to mappings. Currently Virtual Journal mappings are supported.	27924

Enhancements

The enhancements below were implemented:

Table 3. General enhancements

Enhancement	Issue ID
The ability to create/assign tags directly where they are used was introduced. It's currently available on these pages: <ul style="list-style-type: none"> User Information Bulk Mapping Existing Mapping Stage 1 Stage 2 Additionally, separate tags can now be assigned for a mapping's source and target containers.	26175
Failed module services now automatically re-start.	34224
The AD Collector module now supports those with complex domain infrastructures by scanning for all readable users in a forest and not just those in the current domain.	34298
The Reports page now shows failed items for moved data associated with the Mapping Archiving (Cargo Bay) feature.	34548
In SourceOne migrations, we enhanced the handling of mappings where the recipient address is in an atypical format. Now we will try to find recipient addresses somewhere in the message in LegacyDN format and then look those up in the Directory Database to try to resolve them to an SMTP address.	34571
Stage 2 is automatically enabled for mappings without items.	34643

Enhancement	Issue ID
This means that if a mapping has all items filtered out, and effectively has zero items to export and import, the mapping will go straight to stage 2.	
Mapping Archiving (Cargo Bay) was enhanced to better manage large mappings and track what was archived within a mapping.	34713
Support added for bulk mapping for PST files archived by SourceOne.	34885
A new PowerShell command (ASStagingAreaCleanup) is now available to clean up the staging area.	35331
In SourceOne migrations, journal collection has been enhanced for better efficiency.	35334
Item Routing and Item Splitting functionality are now part of the Core service.	35337
The Migration Manager for Email Archives logo/icon was updated.	35672
The tooltip was enhanced for the option to Delete items without journal explosion import routings.	35790

Table 4. Performance enhancements

Enhancement	Issue ID
Queries involving the following functions were refined for improved efficiency <ul style="list-style-type: none"> • Export • Import • Item routing • Folder splitting • Close full container task 	34742

Migration Manager for Email Archives 9.1

The items below were added to Migration Manager for Email Archives 9.1.

New Features

The features below were added to Migration Manager for Email Archives 9.1:

Feature	Issue ID
An item collection and item migration scheduler was added to the bulk mapping wizard (for the creation of new mappings) and the ExistingMapping/Stage 1 page (for existing mappings).	21655

Enhancements

The enhancements below were implemented:

Table 5. General enhancements

Enhancement	Issue ID
The journal explosion feature was enhanced.	33808
Support was added for PST SourceOne archives.	34466
Enterprise Vault 12.3 is supported.	34546
When working with journal explosion, the option to Delete items from staging area after ingest has been eliminated. These two options are now available: <ul style="list-style-type: none"> • Delete items from staging area after initial export • Delete items without journal explosion import routings 	35041

Enhancement	Issue ID
The Stage 1 page now shows whether a journal explosion eligible mailbox needs provisioning.	34347
Migration Manager for Email Archives now indicates whether a user has left the organization in the time since a journal explosion began.	34328
Handling EV shortcut collection for hybrid configurations (for example, when a primary mailbox is on-premises and an archive is in Office 365) has been enhanced.	26159
You can now set configurations and schedules per module.	21668
Cargo Bay functionality introduced in Migration Manager for Email Archives 9.0 has been enhanced.	34206
When working with SourceOne archives, a warning message displayed for folder-less items has been moved to the Events tab.	34265
Links page now indicates Cargo Bay (the history item database) existence.	34266
Additional notifications/events display on the System Health page.	21644

Table 6. Performance enhancements

Enhancement	Issue ID
Item routing has been separated from export functionality.	34227
Item splitting has been separated from import functionality.	34368

Migration Manager for Email Archives 9.0

The items below were added to Migration Manager for Email Archives 9.0.

New Features

The features below were added to Migration Manager for Email Archives 9.0:

Feature	Issue ID
The Sysconfig window has a new FTP Settings tab that you can use to configure FTP parameters.	33978
On the Stage 1 screen, you can now re-export items from the source if desired. Select whether you want to re-export items that failed to export, failed to import, or both.	34090
A new setting is available called Lock active mapping deletion . By default, the setting is disabled. When enabled, mappings in progress are locked and can't be deleted until the migration is complete.	33862
We now support Enterprise Vault SMTP journal archives. Enterprise Vault version 11 and higher are supported.	33468
You can now add comments to mappings that are visible on the Stage1 and Existing Mapping screens. Select a mapping to add a comment with up to 256 characters.	33863
You can now send emails with templates. To support this functionality, a new Email Templates page was introduced. Additionally, we adjusted Migration Manager for Email Archives Powershell commands to support new parameters (called EmailTemplateId and EmailTemplateName), which allow you to send emails using these templates.	33219

Enhancements

The enhancements below were implemented:

Table 7. General enhancements

Enhancement	Issue ID
Export to Excel functionality used for generating reports has been improved: <ul style="list-style-type: none"> • On the Failed Items page, the button for exporting an XML report was eliminated and replaced by an option that was added on the existing Export button. • Export functionality for different screens was unified. • Unnecessary commas previously found on the first line of reports were eliminated. 	34081
We adjusted Migration Manager for Email Archives PowerShell commands (Add-ASO365LeaversConfiguration, Get-ASO365LeaversConfiguration, Set-ASO365LeaversConfiguration) to support dynamic naming schemes DLNamingScheme and GroupMailboxNamingScheme when used with Journal Explosion.	33458
The Delete ItemRoutingErrorLogs after export or import option is now enabled by default.	33816
The Credential Status grid on the System Health window now has a column that shows the Computer Name.	33891
The Item Collection Details window now displays how many pages/batches have been progressed (for example, 1 of 3 pages finished).	20550
There's now an event notification icon in the navigation pane to indicate of an issue requiring attention that can be seen in the System Health page.	34008
General System Settings page parameters and groups were rearranged to improve usability.	33621
ZAPArchivePermissions command is now supported for Enterprise Vault to Office 365 migrations.	33396
Migration Manager for Email Archives now supports users who have left the organization and returned using the same samaccountname.	22152
You can now customize the name used in Stage 2 RenameSourceArchive command.	24554
The PST format option is now pre-selected automatically and it's hidden by default on the Add Mappings Wizard and Create Link Wizard.	19238
Two new settings in the EVExport module allow items to be marked as permanently failed after their first failed attempt to export.	33864
Journal archives can be migrated to Office 365 shared mailboxes.	26165
It is possible to specify a recipient for the SendEmailNotification workflow step.	33867
Office 365 Mailboxes now display on the User Information page.	19551

Table 8. Performance enhancements

Enhancement	Issue ID
To improve user experience, Existing Mappings, Stage1 and Stage2 pages default to a simplified view.	33624
Various improvements were made to improve the look and functionality of the Performance page.	33333
Item data associated with finished mappings is moved from active tables to a backup database (Cargo Bay) to minimize necessary records within active tables, thus improving performance when you're interacting with active item data.	33641

Known issues

The following is a list of issues, including those issues attributed to third-party products, known to exist at the time of release.

The known issues below should be noted for this release.

Office 365 hold types

As of 1st July 2017 Microsoft is changing the way that legal holds can be used in Office 365. Migration Manager for Email Archives currently allows the usage of one, or the other, or both of these types of hold:

- Litigation Hold
- In-place hold

From 1st July it is required to use the legal hold type called 'Litigation Hold'. More information is available in this [Microsoft article](#).

The 'In-place hold' may be removed from a future version of the product.

As a further update to this, Microsoft have published a change to this:

"We've postponed the July 1, 2017 deadline for creating new In-Place Holds to make a mailbox inactive. But later this year or early next year, you won't be able to create new In-Place Holds in Exchange Online. At that time, only Litigation Holds and Office 365 retention policies can be used to create an inactive mailbox. However, existing inactive mailboxes that are on In-Place Hold will still be supported, and you can continue to manage the In-Place Holds on inactive mailboxes. This includes changing the duration of an In-Place Hold and permanently deleting an inactive mailbox by removing the In-Place Hold."

i **NOTE:** Confer with Microsoft to determine whether the terms of your licensing agreement are impacted by this feature.

Migrations involving folders with leading and trailing spaces

This issue affects only Enterprise Vault migrations (to any supported target). All versions of Enterprise Vault are affected.

A known issue in Enterprise Vault means that leading and trailing spaces in folder names are not provided to Migration Manager for Email Archives by the Enterprise Vault API. This can result in mis-named folders in the target environment. Veritas is aware of this issue, but there are no current plans to fix the issue.

SQL CLR Types and Management Objects

SSMS 2017 (CLR Types and Management Objects) are not supported with Migration Manager for Email Archives 8.0 and earlier.

If the 2017 versions are installed, Migration Manager for Email Archives will not work properly as it could will find supported SSMS dependencies. Errors will be present in the web services log file, and the databases themselves will not be properly created. To resolve the issue it is necessary to uninstall SSMS software from the machine, reboot it and install supported CLR Types and Management Objects.

i **IMPORTANT:** Some components of Migration Manager for Email Archives have the capability to perform work using MAPI or EWS. These are:

- Enterprise Vault collector module (which can collect shortcuts from mailboxes)
- Shortcut Processing module (which can fix shortcuts, or delete them)

The use of MAPI for these, and other activities, is deprecated and will be removed in a future release of the product.

i **NOTE:** Ensure migration environments are deployed with EWS configurations.

Supported Sources and Targets

These sources are supported:

- Enterprise Vault
- PST
- Zantaz EAS

- Sherpa
- Quest Archive Manager
- EMC SourceOne
- EMC EmailXtender
- Metalogix Archive Manager

These targets are supported:

- Enterprise Vault
- Exchange
- Office 365
- Proofpoint
- PST

Product licensing

You need either a trial or full license to use Migration Manager for Email Archives. If you have questions about your license, contact your sales representative.

To activate your license during the installation

- 1 During the installation you will be asked for a license file.
- 2 Click **Browse** and navigate to your license file.
- 3 Click **Open**.
- 4 Make sure that the license verification succeeded.

To activate or update your license after the installation

- 1 Copy the license file into the **%PROGRAMFILES%\Quest\Migration Manager for Email Archives\WebService\bin** folder.

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Quest provides software solutions for the rapidly-changing world of enterprise IT. We help simplify the challenges caused by data explosion, cloud expansion, hybrid datacenters, security threats, and regulatory requirements. We are a global provider to 130,000 companies across 100 countries, including 95% of the Fortune 500 and 90% of the Global 1000. Since 1987, we have built a portfolio of solutions that now includes database management, data protection, identity and access management, Microsoft platform management, and unified endpoint management. With Quest, organizations spend less time on IT administration and more time on business innovation. For more information, visit www.quest.com.

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
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- Sign up for product notifications
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- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.

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Legend

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