

# Quest<sup>®</sup> Migrator for Notes to Exchange 4.16.2

## Release Notes

**February 2022**

These release notes provide information about the Quest<sup>®</sup> Migrator for Notes to Exchange (MNE) release.

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## About Migrator for Notes to Exchange

Migrator for Notes to Exchange (MNE) is a set of coordinated software applications designed to facilitate a variety of migration strategies for organizations moving from a Domino server with Notes clients, to a Microsoft Exchange environment with Outlook clients. MNE can migrate either to a proprietary Exchange environment, or to a hosted Exchange service such as Microsoft Office 365.

MNE 4.16.2 is a minor release, with enhanced features and functionality. See the [Enhancements](#) and [Resolved issues](#) sections that follow.

# New features

The following new features are available in this release:

## Parameter changes

The following parameters are removed or added to Migrator for Notes to Exchange in this release.

### Added

The following new parameters are added:

- [ActiveDirectory] ADProvisionAttempts=<##>
- [ActiveDirectory] SetOwnerACLsForGroups
- [ActiveDirectory] ShowSkipPermissionsCheckDialog
- [ActiveDirectory] SkipPermissionsCheck
- [Exchange] CheckMigratedItemsOnFolderLevel
- [Exchange] FilterAddressReplacementChar=<AlphanumericCharacter>
- [Exchange] LogSkippedTestMapiConnectivity=<#>
- [Exchange] O365Organization=<AlphanumericString>
- [Exchange] TestMailboxAccess=<#>
- [Exchange] TestMailboxMapiConnectivity=<#>

## Enhancements

The following is a list of enhancements implemented in Migrator for Notes to Exchange 4.16.2.

**Table 1. Enhancements**

<b>Enhancement</b>	<b>Issue ID</b>
By default, MNE adds the Quest access test message, used to test the mailbox access, to the Trash folder of each user target mailbox during migration. If you are migrating a large number of users that have already been validated, you can set a new INI parameter [Exchange] TestMailboxAccess=0 to skip testing mailbox access and stop the test message being added to the mailbox Trash folder.	282987
When the MNE PowerShell module initializes OneDrive, the module assumes that your SharePoint administration URL is 'https://Your_O365_Azure_Organization_Name-admin.sharepoint.com'. A new INI parameter [Exchange] O365Organization=<string_custom_name> is added to allow you to replace your default Azure organization name in the SharePoint admin URL with a different name. If this parameter is not specified, the default Azure organization name is used.	285076

**Table 1. Enhancements**

Enhancement	Issue ID
<p>By default, MNE runs a MAPI connectivity test for each mailbox in the user collection during the 'Verifying Exchange Account' pre-migration stage of the migration wizard. If you are migrating a large number of users that have already been validated, you can set a new parameter [Exchange] TestMailboxMapiConnectivity=0 to have MNE skip the MAPI connectivity test. When not specified, this parameter is set to 1 by default.</p> <p>Optionally, you can specify the parameter [Exchange] LogSkippedTestMapiConnectivity=1 to add warnings to the GALSearch.wlog log file if MAPI Connectivity tests are skipped.</p>	301785
A new parameter named [Exchange] CheckMigratedItemsOnFolderLevel has been added. The new parameter checks if the Notes items are already migrated to Exchange based on the folder level or mail store level. This option allows you to avoid creating duplicate items in Exchange by using the [Exchange] RemigrateMode parameter.	216725
MNE now allows you to prevent the group owner ACLs from being set when provisioning groups. You can use a new parameter [ActiveDirectory]SetOwnerACLsForGroups = 0 to prevent the ACLs from being set.	244566
MNE now supports Office 365 Multi-Geo tenants. Note that the Administrator accounts used for migration must be in the same geographical region as the target mailboxes to avoid permission access issues due to GDPR compliance requirements.	220431

## Resolved issues

The following is a list of issues addressed in this release.

**Table 2. Resolved Issues**

Resolved issue	Issue ID
<p>When creating users in Office 365, MNE did not create users if they had invalid characters in their proxy addresses.</p> <p>A new internal parameter, [Exchange] FilterAddressReplacementChar=&lt;AlphanumCharacter&gt;, is added to allow you to specify a character to replace invalid characters when MNE is building the Office 365 address. This parameter should only be used at the direction of Quest support.</p> <p><b>Note:</b> A SPACE is always replaced by an UNDERSCORE; this substitution is not controlled by the FilterAddressReplacementChar parameter.</p>	303996 118020
Resolved a timeout issue and an insufficient memory issue when creating AD objects while running the MNE Group Provisioning wizard. A new INI parameter [ActiveDirectory] ADProvisionAttempts=## is added to allow you to specify the maximum number of attempts during provisioning. If this parameter setting is not specified, the maximum number of attempts is 100 by default.	263475
Resolved the issue with incorrect hotspot doclinks after migration when the mailbox contained both doclinks to Notes URL and doclinks to HTTP URL	263382
Resolved an issue that when the user ran the Locate Notes Data Store, the Notes NSF databases that were larger than 2 GB were displayed in the Data Store Item Estimated Size column as 2 GB.	281563
<p>An incorrect permissions warning was displayed when configuring MNE for Active Directory because, by default, MNE checked the migration account for global rights (root level) instead of checking permissions for the specified containers and organization units (OUs).</p> <p>A new parameter [ActiveDirectory] SkipPermissionsCheck=1 is added to allow MNE to skip permission checks when configuring Active Directory. For the parameter to work, you must remove and re-install MNE. If you do an in-place upgrade, MNE rejects the new SkipPermissionsCheck=1 setting and removes it from the Global Default Setting INI. With a new installation, the permissions check is ignored as required.</p>	264776

**Table 2. Resolved Issues**

<b>Resolved issue</b>	<b>Issue ID</b>
A new parameter [ActiveDirectory] ShowSkipPermissionsCheckDialog is added. By default, MNE only logs a warning message if the parameter [ActiveDirectory] SkipPermissionsCheck=1. You can now set this additional parameter [ActiveDirectory] ShowSkipPermissionsCheckDialog to 1 so that MNE will display a warning dialog to let you know that Active Directory permissions check was skipped.	264776
Resolved an issue in which PDF files that were attached to a Notes message. sent using the Apple Mail client, were incorrectly hidden when migrated to Exchange Online.	224010
Resolved an issue in which MNE could not migrate a contact list that had a size larger than 8000 bytes (8 KB). Now the maximum size of large Notes contact groups to be migrated to Office 365 is increased from 8 KB to 32 KB.	223655
Resolved an issue to allow the remigration of decrypted messages using the RemigrateMode=2 parameter for migration with the Admin console. When an encrypted message was migrated to the target as a placeholder, then the message was decrypted in Notes and another migration was performed, MNE did not remigrate the message. Now MNE supports migrating the decrypted message with the RemigrateMode=2 parameter. Also, MNE supports remigrating an encrypted message with MigrateEncryptedMessage=1 regardless of the RemigrateMode setting.	216538
Resolved an issue in which, when a contact was migrated, a birthday date was not added to the personal calendar (as a reminder). Now birthday information from Contacts is automatically populated to the end user's personal calendar when the contact is migrated from Notes to Exchange Online or to on-premises Exchange. However, MNE does not create link between the contact object and the newly created appointment. If you update the birthday in the migration target, the appointment is not updated automatically by Outlook or OWA.	237299
Resolved an issue in which, when a contact was migrated, an anniversary date was not added to the personal calendar (as a reminder), Now when Personal Address books and Contacts are migrated to Outlook in Exchange Online or in on-premises Exchange, the anniversary date is added to the end user's personal calendar. However, MNE does not create link between the contact object and the newly created appointment. If you update the anniversary in the migration target, the appointment is not updated automatically by Outlook or OWA.	237315
Resolved an issue in which MNE (Manage Migration Admin Account Pool) failed to add pool accounts when the Azure AD Directory Role name was changed by Microsoft from User Account Administrator to User Administrator. Microsoft recently changed display names for some Admin Roles to align the role names across different Microsoft environments. MNE used the User Account Administrator role in creating pool accounts.	239265
Resolved an issue in which the MNEUnifiedTokenCache.dat file was being used by another process when performing a migration to Exchange Online.	239275
Resolved an issue in which a MIME-formatted message body would become mojibakes (garbled text) after being migrated.	240521
Resolved an issue in which MNE would crash when exporting RTF to HTML when using the [Exchange] MigrateRtfToHtml=1 parameter.	242907
MNE now allows you to prevent the group owner ACLs from being set when provisioning groups. You can use a new parameter [ActiveDirectory]SetOwnerACLsForGroups = 0 to prevent the ACLs from being set.	244566
Resolved an issue in which, due to a change in the Microsoft OneDrive service, MNE could not create a folder in OneDrive when migrating a large attachment to an Office 365 target. As a result, MNE could not migrate the attachment if OneDrive was not ready for the mailbox or the folder was not found in OneDrive.	251431

## Known issues

Most of the known issues and limitations of any migration process are due to feature inconsistencies between the source and target environments. Features that are available in the Notes environment cannot be migrated to a

target environment that does not offer the same or comparable features. Other limitations are due to feature incompatibilities where similar features are available in both the source and target environments, but their implementations are so different that migration is impractical. In any case, most administrators regard these limitations as trivial or incidental to an overall migration project.

Quest distinguishes between known issues (listed here), which are believed to be temporary and likely to be resolved in a future release, and known limitations, which are believed to be inherent to the process and environmental architectures, and are likely permanent.

Appendix A of the MNE *Pre-Migration Planning Guide* provides a list of known limitations of the migration process as facilitated by the current version of Migrator for Notes to Exchange.

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

**Table 3. General known issues**

<b>Known issue</b>	<b>Issue ID</b>
MNE does not support migrating Notes Sametime Chat messages.	320952
Draft calendar items are migrated to Exchange, but after migration they are not fully functional.	100000
MNE truncates a Notes user name if the Domino name exceeds the maximum name length in Exchange, but any subsequent run of the Directory Export Wizard generates a duplicate object record since the wizard does not recognize the truncated name compared to the Notes original name.	100071
When the Data Migration Wizard removes forwarding from an Office 365 user, and there is no local AD, the wizard successfully completes its run but generates three errors, two of which are failed attempts to locate the user in AD.	100088
When a recurrence pattern for a series of meetings is supported in Notes but not supported in Outlook, and when the organizer OR the attendee, but not both, has been migrated, some updates/cancellations/responses for single occurrences will not work.	227308
A migrated recurring meeting may not correctly show the accept/decline status of a Notes user to whom a meeting invitee delegated the invitation if the invitation was delegated and the delegatee accepted or declined the invitation <i>prior</i> to migration.	242781
Exchange does not allow other applications (including Notes Migrator for Exchange) to set the owner property of items migrated to resource mailboxes.	57381
When migrating only iNotes contacts, the Notes Mail Files screen does not appear so you cannot choose to migrate via the server or the file system. The program runs via file system if that is what you chose for your last migration unless you go into the Task Parameters or INI file and change it.	57447
The MNE Migration Worker process can crash when configured to share a single MAPI profile across all worker processes. This issue only occurs when the MAPI/HTTP protocol is enabled. The default configuration settings are set to avoid this issue but you can encounter the issue if the following combination of INI settings are used: [Exchange] AutodiscoverDisableMapiHttp=0 MapiUseSharedProfile=1	727841
When migrating a contact's birthday property or anniversary property, MNE creates a recurrent appointment in the personal calendar for the contact's birthday or anniversary. However, MNE does not create a link between the contact object and the newly created appointment. If you update the birthday or anniversary in the target, the appointment created by MNE is not updated automatically, and Outlook will create a new recurrent appointment in the personal calendar.	243658

Table 4. SSDM known issues

Known issue	Issue ID
<p>The SSDM might crash when installed on a non-English operating system with Outlook 2016 and if the following parameter is set:</p> <p style="padding-left: 40px;">[Notes] RewriteDocLinks=1.</p> <p>To resolve the issue, set [Exchange] RewriteRTF=7.</p>	709742

Table 5. Offline Migration known issues

Known issue	Issue ID
<p>When migrating offline, the <i>HTMLdoclinks</i> program parameter in the [General] section of the Data Migration Wizard task parameters must be set to 0 (zero). The <i>HTMLdoclinks=0</i> setting tells the wizard to migrate Notes doclinks as Notes-style doclinks which can be opened in Exchange only if a Notes client is installed on the client workstation. By default, (<i>HTMLdoclinks=1</i>) Notes doclinks migrate to Exchange as HTML-style links, which can be opened in a web browser if the user is able to use iNotes, but the default setting causes errors in an offline migration.</p>	30886

Table 6. Outlook known issues

Known issue	Issue ID
<p>Outlook archiving is not applied to migrated messages within the age range set for auto-archiving, because Outlook determines message age by Last Modified time, which it updates to the migration date/time upon migration. Since all migrated messages become zero days old as soon as they are migrated, and Outlook does not allow the Data Migration Wizard to reset the property to the true pre-migration date/time, the Outlook archiving feature skips the messages until they have "re-aged" to the archive age (typically 30 days) following migration. At this time all of the migrated messages will be archived.</p>	58004
<p>When saving message reference attachments from OneDrive using Outlook 2016/2019, an error message is displayed.</p> <p>Though earlier versions of Outlook client do not support reference attachments, MNE provides parameter settings [Exchange] <code>SupportOversizedAttachmentsInLegacyOutlook=1</code> to migrate oversized attachments to OneDrive and adds a link to the uploaded attachments as an HTM attachment in the message.</p> <p>However, for newer versions of the Outlook client (2016/2019), when MNE tries to save the migrated message reference attachment, the following error is displayed "Outlook cannot save the file. file name or directory name is not valid." The Outlook Web Client (OWA) does not exhibit this problem and allows the user to save reference attachments.</p> <p><b>Workaround</b></p> <p>Instead of clicking <b>Save</b>, the user can click <b>Open</b> and save the attachment from OneDrive.</p>	184487

## System requirements

- [Domino servers](#)
- [Microsoft Exchange servers](#)
- [SQL server](#)
- [MNE admin migration servers](#)
- [End-user desktops \(if running the SSDM\)](#)
- [Server hosting the SSDM scheduling utility web service](#)

- i** | **IMPORTANT:** The requirements listed here document the basic hardware and software requirements for Migrator for Notes to Exchange (MNE). MNE also requires certain configuration considerations and account permissions. Be sure to see these additional requirements in the *MNE Pre-Migration Planning Guide*, in chapter 1 under *Configuration requirements and account permissions*.

Before installing MNE, make sure your environment meets (or will meet) these minimum hardware and software requirements.

## Domino servers

**Supported Domino source environments** (all ranges inclusive):

- Notes/Domino 11.0.0 and 11.0.1
- Notes/Domino 10.0.0 and 10.0.1
- Notes/Domino 9.0.0 and 9.0.1
- Notes/Domino 8.5.0-8.5.3, and 8.0.0-8.0.2
- Notes/Domino 7.0.0-7.0.4
- Notes/Domino 6.x
- SmartCloud Notes support: MNE provides partial support for migrations from SmartCloud Notes via the SSDM for Notes client versions 8.5.3 or newer. This feature also requires you configure your local Notes client for SmartCloud Notes, as described in the *MNE Pre-Migration Planning Guide*, in chapter 1 under "Configuration requirements and account permissions".

## Microsoft Exchange servers

- i** | **NOTE:** Migrator for Notes to Exchange supports Cumulative Update (CU) releases for all supported versions of Exchange. If you encounter an incompatibility with a newly released CU, contact Quest Support for a resolution.

**Supported Exchange target environments:**

- Exchange 2019: RTM
- Exchange 2016: RTM
- Exchange 2013: RTM and SP1
- Exchange 2010: RTM, SP1, SP2 and SP3
- Microsoft Office 365:
  - All Office 365 license plans that include an Exchange mailbox and permit connecting to that mailbox with Outlook and the Exchange Web Service (EWS).
  - Office 365 environments:
    - Office 365 Global
    - Office 365 Germany
    - Office 365 operated by 21Vianet

# SQL server

MNE requires access to a Microsoft SQL Server. The following versions are supported:

- SQL Server 2008
- SQL Server 2008 Express Edition
- SQL Server 2008 R2
- SQL Server 2008 R2 Express Edition
- SQL Server 2012
- SQL Server 2012 Express Edition
- SQL Server 2014
- SQL Server 2014 Express Edition
- SQL Server 2016
- SQL Server 2016 Express Edition
- SQL Server 2017
- SQL Server 2017 Express Edition
- SQL Server 2019
- SQL Server 2019 Express Edition

Note the following:

- SQL must be installed either on the administrator's migration server or on a separate server, with a minimum of 20 GB free disk space.
- You can use an existing (installed) MS SQL Server, or install a new instance of SQL Server using one of the supported versions.
- Quest recommends a full-featured (non-Express) edition of SQL Server for best performance of the MNE Directory Export Wizard, particularly for sites with a large number of groups or domains.

## MNE admin migration servers

Table 7. Supported operating systems for migrations.

Operating systems supported for migration to...		Exchange 2019/2016/2013/2010	Office 365
Windows Server 2019	64-bit	•	•
Windows Server 2016	64-bit	•	•
Windows Server 2012 or 2012 R2	64-bit	•	•
Windows 10	32-bit	•	
	64-bit	•	•
Windows 8	32-bit	•	
	64-bit	•	•
Windows Server 2008 SP2	32-bit	•	
	64-bit	•	
Windows Server 2008 R2	64-bit	•	•
Windows 7	32-bit	•	
	64-bit	•	•



**Table 8. Other Requirements**

<b>Requirement</b>	<b>Description</b>
Workstation hardware	<ul style="list-style-type: none"> <li>• Must be a separate machine from the Exchange server, but a member of the same domain as AD and Exchange.</li> <li>• Minimum hardware requirements:               <ul style="list-style-type: none"> <li>• 2 GHz dual-core processor, 4GB memory, 20GB free disk space.</li> </ul> </li> <li>• Recommended for improved performance, especially for high-volume migrations:               <ul style="list-style-type: none"> <li>• 2 GHz quad-core processor, 8GB memory.</li> <li>• 1 Gbps NIC, and 1 Gbps or faster network connections among all migration servers and the Exchange and Domino servers.</li> </ul> </li> </ul>
Required for all Exchange target types, including Office 365	<ul style="list-style-type: none"> <li>• .Net Framework 4.8</li> <li>• Microsoft OLE DB Driver for SQL Server 18.2 (or later) or Microsoft SQL 2012 Native Client.</li> <li>• Microsoft Command Line Utilities for SQL Server (a free download from the link provided in the MNE Autorun).               <p><b>NOTE:</b> This component is required only if SQL Server is not installed locally (i.e. the MNE Server is connecting to a remote SQL instance).</p> </li> <li>• Windows PowerShell 3.0, which is part of Windows Management Framework 3.0 (included with any MNE-supported OS except pre-SP1 editions of Windows Server 2008 R2 and Windows 7). If PowerShell 3.0 does not come with your OS, you can download Windows Management Framework 3.0 at this <a href="#">Microsoft link</a>.</li> <li>• Notes must be installed in single-user mode and configured. The Notes client version must be one of 6.0.0-11.0.1 (all ranges inclusive), and should match or be higher than the Domino server version.</li> <li>• The 32-bit edition (only) of Outlook 2019, 2016, 2013 or 2010. The Outlook client must also conform to the Microsoft version requirements for the applicable Exchange target version. Outlook 2010 is not supported by Office 365 or Exchange 2019. See the <a href="#">Exchange Server supportability matrix</a> for more details.</li> <li>• The MAPI DLLs required to perform a migration must be those that are part of Outlook, not the downloadable Exchange "server" MAPI.</li> <li>• Update for Universal C Runtime in Windows. See the Microsoft knowledge base article <a href="#">KB2999226</a>.</li> </ul>
Also required for Office 365 target	<ul style="list-style-type: none"> <li>• To use modern authentication when connecting to Office 365 using remote PowerShell, the Microsoft Exchange Online Remote PowerShell module must be installed. For more information, see <a href="#">To install Exchange Online Remote PowerShell V2 Module</a>.</li> <li>• Microsoft's Azure Active Directory PowerShell for Graph - General Availability version (available at this <a href="#">Microsoft link</a>).               <p><b>NOTE:</b> Azure AD Module for Windows PowerShell x64 edition (PowerShell V1) has been deprecated. MNE will remove support for this module in a future release.</p> </li> <li>• For systems running Windows 2008 R2, TLS 1.2 must be enabled as the default secure protocol. See this <a href="#">Microsoft support page</a>.</li> </ul>

### **To install Exchange Online Remote PowerShell V2 Module**

- 1 Install or update the Microsoft PowerShellGet module. For details, see [Installing PowerShellGet](#).
- 2 Close and re-open the window.

Now you can use the Install-Module cmdlet to install the EXO V2 module from the PowerShell Gallery. Typically, you want the latest public version of the module, but you can install a preview version if one is available.

- 3 To install the latest public version of the module, run the following command:

Install-Module -Name ExchangeOnlineManagement

- OR -

To install a preview version of the module, replace <PreviewVersion> with the necessary value, and run the following command:

```
Install-Module -Name ExchangeOnlineManagement -RequiredVersion <PreviewVersion> -  
AllowPrerelease
```

Windows Remote Management (WinRM) on your computer must allow basic authentication (enabled by default).

- 4 To verify that basic authentication is enabled for WinRM, run the following command in a Command Prompt:

```
winrm get winrm/config/client/auth
```

- 5 If you don't see the value Basic = true, run the following command to enable basic authentication for WinRM:

```
winrm set winrm/config/client/auth @{Basic="true"}
```

## Important: Avoiding permission conflicts

If you are migrating to an on-premises Exchange server, it is important to ensure that the Exchange administrator account used by MNE to perform the migration does not belong to the Domain Admins or the Enterprise Admins security group, or to the Organization Management role group.

Since these groups are denied *Receive As* rights on all mailbox databases, adding the Exchange account to any of these groups will result in conflicting permissions. These conflicting permissions have always had the potential to cause issues, but due to changes in how MNE connects to the target mailboxes, it is more likely that the conflicting permissions will prevent the new version of MNE from connecting to the mailboxes that are the migration targets.

## Best Practices for Office 365 Multi-Geo tenants

For Office 365 Multi-Geo tenants, the Administrator accounts used for migration must be in the same geographical region as the target mailboxes to avoid permission access issues due to GDPR compliance requirements. (220431)

## End-user desktops (if running the SSDM)

An SSDM end-user workstation *can* be a virtual machine, but a dedicated physical machine will likely yield better migration performance.

Table 9.

Requirement	Description
Supported operating systems	<ul style="list-style-type: none"><li>• Windows 10, Windows 8.1, Windows 8 or Windows 7: 32-bit or 64-bit edition.</li><li>• Windows Server 2019: 64-bit edition.</li><li>• Windows Server 2016: 64-bit edition.</li><li>• Windows Server 2012 or 2012 R2: 32-bit or 64-bit edition.</li><li>• Windows Server 2008 SP2 or 2008 R2: 32-bit or 64-bit edition.</li><li>• Windows Vista (Business, Enterprise or Ultimate): 32-bit or 64-bit edition.</li></ul>

Table 9.

Requirement	Description
Required Outlook client	<p>Outlook 2019, 2016, 2013, or 2010: 32-bit or 64-bit edition.</p> <p>The Outlook client must also conform to Microsoft's version requirements for the applicable Exchange target version. Outlook 2010 is not supported by Office 365 or Exchange 2019. See the <a href="#">Exchange Server supportability matrix</a> for more details.</p>
On each end-user SSDM desktop	<p>Microsoft .Net Framework version 2.0 or later must be installed.</p> <p>If end users will run the SSDM application from a network share (rather than from each user's own local copy):</p> <p>Each workstation must also have either .Net 3.5 SP1 (or later) installed, or a Code Access Security (CAS) policy granting full trust to SSDM in the network share. (See "Before Running the SSDM" in chapter 4 of the <i>MNE Scenarios Guide</i> for instructions to set the required CAS policy.)</p> <p>For the SSDM to authenticate with Office 365 using Modern Authentication, .Net 4.8 or later must be installed. If .Net 4.8 or later is not installed, the SSDM falls back to migrating without Modern Authentication.</p> <p>The MAPI DLLs required to perform a migration <b>must</b> be those that are part of Outlook, not the downloadable Exchange "server" MAPI.</p>
Required Notes client	<ul style="list-style-type: none"> <li>• 11.0.0 or 11.0.1 (inclusive)</li> <li>• 10.0.0 or 10.0.1 (inclusive)</li> <li>• 9.0.0 or 9.0.1 (inclusive)</li> <li>• 8.5.0–8.5.3 (inclusive)</li> <li>• 8.0.0–8.0.2 (inclusive)</li> <li>• 6.0.0–7.0.4 (inclusive)</li> </ul>
SmartCloud Notes support	<p>MNE provides partial support for migrations from SmartCloud Notes via the SSDM, for Notes client versions 8.5.3 or newer. This feature also requires that you configure your local Notes client for SmartCloud Notes, as described in the <i>MNE Pre-Migration Planning Guide</i>, in chapter 1 under "Configuration requirements and account permissions".</p>

## Server hosting the SSDM scheduling utility web service

ASP.net version 4.8 must be installed. If the SSDM Scheduling Web Service is running, you must change the .NET Framework version of the Application Pool used by the SSDM Scheduling Web Service to .NET 4.8.

## Upgrade and compatibility

There is no need to uninstall a previous version before installing a new version. The upgrade installation and setup are fully automated, and will preserve any data already migrated by an earlier version, so you may simply resume the migration process from wherever you left off with the previous version.

- ;** **IMPORTANT:** If you are upgrading from 4.14.1 or earlier, you must back up the SSDM Scheduling Administration utility configuration files. See the section below for information on backing up the files.
- ;** **IMPORTANT:** The upgrade process will back up your existing `pabreplicator.nsf`, `attrs.tsv`, `msgtypes.tsv`, `NMEPSErrorFile.xml`, `wte_template.htm`, `ybm_template.htm` and `ynma_template.html` files and copy them to the target installation folder.

## Backing up the SSDM Scheduling Administration utility configuration files

The following locally saved configuration files are overwritten as part of the upgrade to release 4.16.2. Make a backup copy of these files before performing the upgrade.

```
C:\Program Files (x86)\Dell\Migrator for Notes to Exchange\SSDM Scheduling Web Service\Bin\SchedulingGlobals.config
```

```
C:\Program Files (x86)\Dell\Migrator for Notes to Exchange\SSDM Scheduling Administration\AdminConfigPaths.xml
```

The upgrade procedure contains a step for restoring the files.

# Product licensing

Migrator for Notes to Exchange is a metered-use product that requires the application of a valid license key. An MNE license key is installed in the MNE Notes Migration Manager component.

Quest sells license keys for particular numbers of users to be migrated. When the limit is reached the software continues to function nominally for users that have already been migrated, but will not migrate additional users. The same license is used for all functions of a particular user (provisioning, forwarding, migration, etc.), and the user license count increments the first time any program function is applied to each user. That is, when any feature of any MNE component is applied to a particular user, all features of all components can be applied to the same user under the same license. Moreover, users can be re-migrated (if necessary) using the original licenses; re-migration does not require an additional license.

A trial license is intended to let you try the MNE software in your own environment, with your own data, to help you determine whether MNE's capabilities are suitable to your needs. Under a trial license, the program stamps a "MIGRATION EVALUATION" prefix into the *Subject* of every migrated message, and also imposes the following limitations:

- Calendar items more than two weeks into the future are not migrated.
- When migrating personal address books, only five contacts and five groups are migrated per PAB.

You can obtain your first or a subsequent license key by contacting a Quest Software sales representative. For either a trial or perpetual license, the key uses one of the following formats

- MigratorNotesEX-###-#####.dlv
- MigratorNotesEX-###-###-###.dlv

where ###-##### or ###-###-### represents your unique license number. The file is sent to you from Quest Licensing as an email file attachment. Copy the license key file to your desktop, or to some other convenient location.

The product will install without a license key but will prompt you to apply a license key the first time you try to run the software. You are prompted to find and specify the license key file that Quest provided. Use the **Browse** feature to locate and specify the .dlv license file.

If you are upgrading from an earlier version, the automated upgrade process transfers the existing license key into the new version, so you do not need to re-install it. For new installations, the license installer only installs the new format license files (.dlv). The older format (.asc) is no longer supported.

**i** | **IMPORTANT:** Many environments require disabling User Account Control (UAC) to install the Quest license into MNE.

# Getting started with MNE

- [Upgrade and installation instructions](#)
- [More resources](#)

# Upgrade and installation instructions

## To install Migrator for Notes to Exchange:

- 1 Download the Migrator for Notes to Exchange zip folder from the Quest.com website and extract all files into an installation folder.
- 2 Run Autorun.exe from the installation folder.

If you are installing from an MNE product CD, the *Autorun* utility runs automatically.

Windows launches the *Autorun* utility, where you can browse product information including the **Prerequisites** and all MNE **Documentation** before installing the product.

Verify that your environment conforms to the [System requirements](#) specified in this document, and to the requirements specified in “Configuration requirements and account permissions” in the *Pre-Migration Planning Guide*. Several of the required third-party components can be downloaded from links on the *Autorun Prerequisites* tab.

- 3 When you are ready to install, select the *Autorun Install* tab.
- 4 Select **Migrator for Notes to Exchange** and click **Next**.
- 5 Read and accept the license agreement.

**i** | **IMPORTANT:** If your setup includes the Microsoft redistributables, you can install them on your migration server. You must have a Microsoft SQL Server installed in your migration environment to use Migrator for Notes to Exchange.

- 6 Follow the instructions in the MNE Installation Wizard.

**i** | **NOTE:** Migrator for Notes to Exchange requires access to the Microsoft OLE DB Driver for SQL Server (MSOLEDBSQL). If you have Microsoft OLE DB Driver for SQL Server 18.2 or later installed on your migration server you have met this requirement.

If you do not have the Microsoft OLE DB Driver installed, you can use the download button in the *Autorun* utility to download the software.

- 7 Follow the remaining instructions and prompts in the MNE Installer.

**i** | **IMPORTANT:** MNE includes a wizard that scans the environment and determines whether it meets the system requirements for MNE. The MNE Prerequisites Checker verifies the required software and settings, connectivity, permissions, and access rights.

- You can launch the wizard from the exit page of the MNE installer by selecting the **Launch the Prerequisites Checker when setup exits** check box before you click **Finish**:
- You can also run the checker from your Windows **Start** menu under the *Quest | Migrator for Notes to Exchange* group.

The Prerequisites Checker log file is written to the following location:  
`%SystemDrive%\ProgramData\Quest\Prerequisites Checker.`

- 8 Click **Finish** to complete installation.

The MNE Installer exits and returns you to the *Autorun* utility on the **Install** tab. If you selected the **Prerequisites Checker** check box, that wizard runs in a separate window.

- 9 If you like, you can browse the other *Autorun* tabs.
- 10 When you are finished, click the **Close** icon [X] in the top-right corner of the window.

## Post upgrade steps

See [Product licensing](#) before trying to configure or run any MNE component.

- i** | **IMPORTANT: Locale-specific configuration:** If you are migrating from a non-English Notes environment, you must also configure the Data Migration Wizard and the SSDM with the appropriate non-English values for certain display elements. See Appendix A of the *MNE Administration Guide* for instructions, under “How Do I Configure MNE for My Non-English Notes Locales?”

### **Configuring the SSDM Scheduling Administration utility**

You must configure the SSDM Scheduling Administration utility after upgrade.

- 1 Prior to upgrade, you made a copy of the SSDM Scheduling Administration utility configuration files. Restore the files to the following directory paths.

```
C:\Program Files (x86)\Quest\Migrator for Notes to Exchange\SSDM Scheduling Web Service\Bin\SchedulingGlobals.config
```

```
C:\Program Files (x86)\Quest\Migrator for Notes to Exchange\SSDM Scheduling Administration\AdminConfigPaths.xml
```

- 2 Point to the new physical path.
- 3 In the *MNE Administration Guide*, in the chapter titled SSDM Scheduling Administration utility, see the section “Before you can use the SSDM Scheduling Administration utility”.
- 4 Follow the steps to add the new Virtual Directory:  
C:\Program Files (x86)\Quest\Migrator for Notes to Exchange\SSDM Scheduling Web Service

### **Configuring the Task Scheduler**

If you plan to use the optional MNE task scheduling features, ensure that the MNE Task Scheduler is configured by following the instructions in Appendix A of the *MNE Administration Guide*, in the section “How Do I Schedule Tasks?”

## More resources

Information about MNE, including all product documentation, is available from the Quest Support Portal at <https://support.quest.com/>.

# Migrator for Notes to Exchange and Coexistence Manager for Notes community

The [Migrator for Notes to Exchange and Coexistence manager for Notes community](#) is an interactive online community dedicated to issues relating to:

- Migration of email, identity and applications to the Windows Exchange platform, either on-premises or hosted Exchange platforms like Office 365—including migrations from Exchange, GroupWise, and Notes.
- Active Directory migrations.
- Migrations from Notes application and Exchange public folders to Sharepoint.
- Coexistence strategies and tools.

The community is designed to foster collaboration between Quest Migration experts and users. It’s a place where you can:

- Learn about product releases and betas before anyone else.
- Get access to Quest product leaders and subject matter experts on migration and coexistence.
- Participate in discussion forums, share insights and ideas, and get common questions answered.

You can browse around the forums and the library, but to take full advantage of the community, post new threads, respond to messages from others, and rate our documents and downloads, you must **Join** the community. If you already have a Quest account or are a member of another Quest community, simply **Sign in**. The **Sign in** and **Join** features are both available from links near the top-right corner of the page.

## Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan. The release supports Complex Script (Central Asia – India, Thailand).

The SSDM user interface is available in English and French. The SSDM User Guide is also available in English and French.

## About us

Quest provides software solutions for the rapidly-changing world of enterprise IT. We help simplify the challenges caused by data explosion, cloud expansion, hybrid data centers, 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](http://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.
- View Knowledge Base articles.
- Sign up for product notifications.
- Download software and technical documentation.
- View how-to-videos.
- Engage in community discussions.
- Chat with support engineers online.

- View services to assist you with your product.

# Third-party contributions

This product contains the following third-party components. For third-party license information, go to <https://www.quest.com/legal/third-party-licenses.aspx>.

**Table 10.**

Component	License or acknowledgment
7-Zip 9.2.0	Use of this component is governed by the <a href="#">7-Zip license</a> .
AutoMapper 2.2	Copyright Jimmy Bogard 2008-2012. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
CommandLineParser 1.9	Copyright 2005-2012 Giacomo Stelluti Scala. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
Crypto++ 5.6.1	Compilation Copyright © 1995-2009 by Wei Dai. All rights reserved. Portions contributed by Wei Dai. Use of this component is governed by the <a href="#">Crypto 5.6.0 license</a> .
Entity Framework 5.0	Use of this component is governed by the <a href="#">Apache 2.0 license</a> .
EWS Managed API 2.2.1.0	Copyright (c) Microsoft Corporation. All rights reserved. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
ICU4C 57.1	Copyright (c) 1995-2014 International Business Machines Corporation and others. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
jQuery 1.9.1	Copyright 2012 jQuery Foundation and other contributors. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
jQuery UI 1.10.0	Copyright 2010 John Resig. <a href="http://jquery.com/">http://jquery.com/</a> . Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
jQuery Validation 1.11	Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
liblz4 1.8.3	Use of this component is governed by the <a href="#">BSD Simple license</a> .
Log4Net 2.0.0	Copyright 2001-2006 The Apache Software Foundation. Use of this component is governed by the <a href="#">Apache 2.0 license</a> .
LumenWorks 3.8.0	LumenWorks.Framework.IO.CSV.CachedCsvReader Copyright (c) 2005 Sébastien Lorion. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
Microsoft.IdentityModel.Clients.ActiveDirectory 3.19.8	Copyright (c) Microsoft Corporation. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
Mailkit 2.2.0	MailKit is Copyright (C) 2013-2019 Xamarin Inc. and is licensed under the MIT license. Use of this component is governed by the <a href="#">MIT N/A license</a> .
Microsoft.Graph 1.18.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the <a href="#">MIT N/A license</a> .
Microsoft.Graph.Core 1.18.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the <a href="#">MIT N/A license</a> .
Microsoft.Identity.Client 4.6.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the <a href="#">MIT N/A license</a> .



**Table 10.**

<b>Component</b>	<b>License or acknowledgment</b>
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Microsoft.IdentityModel.Logging 5.3.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
Microsoft.IdentityModel.Tokens 5.3.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
Mimekit 2.2.0	MimeKit is Copyright (C) 2012-2018 Xamarin Inc. and is licensed under the MIT license. Use of this component is governed by the <a href="#">MIT N/A license</a> .
Modernizr 2.6.2	Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
Quartz.NET 1.0.3	Use of this component is governed by the <a href="#">Apache 2.0 license</a> .
System.IdentityModel.Tokens.Jwt 5.3.0	Copyright (c) Microsoft Corporation. All rights reserved. Use of this component is governed by the <a href="#">MIT 1.0 license</a> .
zlib 1.2.3	Copyright ©1995-2005 Jean-loup Gailly and Mark Adler. Use of this component is governed by the <a href="#">Zlib 1.2.3 license</a> .

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