Quest® Migrator for Notes to Exchange 4.17

Release Notes

March 2025

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

Topics:

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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 365.

MNE 4.17 is a minor release, with enhanced features and functionality.

What's New

The following is a list of what's new in Migrator for Notes to Exchange 4.17.

Platform changes:

- Retired from support
  - End of life Windows platform, SQL Server, Exchange, and Outlook versions
  - Domino/Notes versions prior to 9.0.1
- Added to support (see System requirements for details)
  - Windows Server 2022 and Windows 11
  - SQL Server 2022
  - Outlook 2021 (32-bit) and Outlook 2024 (32-bit)
  - HCL Domino 14.0 (with Notes 12.0.2 32-bit client)

NOTE: MNE supports only 32-bit Notes clients. Notes 14 does not have a 32-bit version. A future update of MNE will add support for the Notes 14 64-bit client.

New Exchange Server setting for Microsoft 365:

- In the MNE console, under Edit Default Settings > Exchange Server, a new Tenant ID field has been added to the Tenant Settings for Microsoft 365.

IMPORTANT: If you are connecting to Microsoft 365 and are upgrading from the previous MNE release, a red asterisk next to App Registration indicates that you must open the App Registration... dialog and add this field. The value to provide is the tenant ID from the Microsoft Azure App portal.

Azure app permission changes for Microsoft 365:

IMPORTANT: The required Azure app permissions have changed. Consult chapter 1 of the Admin guide for the revised required API permissions.

Utilities no longer included:

- MNE prerequisite checker
- Quest Log Viewer

Upcoming changes

The following Microsoft platforms will end their lifecycle on October 14, 2025. The next release of MNE will remove support for these platforms from the supported platforms matrices:

- Windows 10
- Outlook 2016 and Outlook 2019

Additionally, Exchange Server 2016 and Exchange Server 2019 will reach their Microsoft end of support on October 14, 2025. Quest echoes Microsoft's recommendation that customers prepare their organizations to upgrade to Exchange Server Subscription Edition (SE) when it becomes available early in the second half of 2025. Microsoft offers detailed guidance on planning for this upgrade.

Parameter changes

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

Added

- [Exchange] section
  - MailSubjectDelimiter=<string>
  - MailSubjectPrepend=<string>
- [Notes] section
  - UseFastFilterInTrashFolder=<#>

The following new parameters should only be used when recommended by Quest Support for specific migration projects:

- [ActiveDirectory] section
  - DomainAdminsGroupName
  - EnterpriseAdminsGroupName
- [Notes] section
  - ValidateTasks=<#>

Removed

- [AzureADAuthorizationEndPointUris] section

Changed

- [Exchange] O365Environment
  - The default value for the [Exchange] O365Environment parameter is now **Global** instead of **AzureCloud** when this parameter is not specified. This parameter identifies the Microsoft 365 environment that is the target of the migration.
  - The concept of National Clouds as described in the [Exchange] O365Environment entry in the of Migrator for Notes to Exchange 4.16.3 Program Parameters Reference Guide is no longer valid.
  - The Microsoft 365 Environment drop-down has been removed from the Migrator for Notes to Exchange console.
  - This parameter should not be changed unless instructed by Quest support.

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 1. General known issues

Known issue	Issue ID
An authentication warning "Failed to obtain authentication token for OneDrive access" may be written to the migration log when processing oversized attachments. If this appears only once, it can be ignored, as the token will be successfully obtained by a retry.	504421
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 Microsoft 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 *prior* 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 2. SSDM known issues

Known issue	Issue ID
The SSDM might crash when installed on a non-English operating system with Outlook 2016 and if the following parameter is set: [Notes] RewriteDocLinks=1. To resolve the issue, set [Exchange] RewriteRTF=7.	709742

Table 3. Offline Migration known issues

Known issue	Issue ID
When migrating offline, the *HTMLdoclinks* program parameter in the [General] section of the Data Migration Wizard task parameters must be set to 0 (zero). The *HTMLdoclinks=0* 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, (*HTMLdoclnks=1*) 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.	30886

Table 4. Outlook known issues

Known issue	Issue ID
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.	58004
When saving message reference attachments from OneDrive using Outlook 2016/2019, an error message is displayed. Though earlier versions of Outlook client do not support reference attachments, MNE provides parameter settings `[Exchange] SupportOversizedAttachmentsInLegacyOutlook=1` to migrate oversized attachments to OneDrive and adds a link to the uploaded attachments as an HTM attachment in the message. 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. **Workaround** Instead of clicking **Save**, the user can click **Open** and save the attachment from OneDrive.	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

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 these minimum hardware and software requirements.

Domino servers

Supported Domino source environments (all ranges inclusive):

- Domino 14.0 (with Notes 12.0.2 32-bit client).

  NOTE: MNE supports only 32-bit Notes clients. Notes 14 does not have a 32-bit version. A future update of MNE will add support for the Notes 14 64-bit client.

- Notes/Domino 12.0.0, 12.0.1, and 12.0.2
- Notes/Domino 11.0.0 and 11.0.1
- Notes/Domino 10.0.0 and 10.0.1
- Notes/Domino 9.0.1

Microsoft Exchange servers

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 Server 2019: RTM with latest CU
- Exchange Server 2016: RTM with latest CU
- Microsoft 365:
  - All Microsoft 365 license plans that include an Exchange mailbox and permit connecting to that mailbox with Outlook and the Exchange Web Service (EWS).
  - Microsoft 365 environments:
    - Microsoft 365 Global

SQL server

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

- SQL Server 2016
- SQL Server 2016 Express Edition
- SQL Server 2017
- SQL Server 2017 Express Edition
- SQL Server 2019
- SQL Server 2019 Express Edition
- SQL Server 2022
- SQL Server 2022 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. Quest recommends using separate servers for best results.
- 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 5. Supported operating systems for migrations.

Operating systems supported for migration to...		Exchange version	Microsoft 365
Windows Server 2022		Exchange 2019	•
Windows Server 2019		Exchange 2019	•
Windows Server 2016		Exchange 2016	•
Windows 11		•	•
Windows 10	32-bit	•	
	64-bit	•	•

Table 6. Other Requirements

Requirement	Description
Workstation	• Must be a separate machine from the Exchange server, but a member of the same domain as AD and Exchange. • Minimum hardware requirements: ▪ Intel Xeon quad core 1.8 Ghz (x64) or AMD equivalent ▪ 8GB memory ▪ 512GB disk space (or more, depending on log retention requirements) • 1 Gbps NIC, and 1 Gbps or faster network connections among all migration servers and the Exchange and Domino servers.

Table 6. Other Requirements

Requirement	Description
Required for all Exchange target types, including Microsoft 365	• .Net Framework 4.8 • Microsoft OLE DB Driver for SQL Server 18.2 (or later) or Microsoft SQL 2012 Native Client. • Microsoft Command Line Utilities for SQL Server (a free download from the link provided in the MNE Autorun). **NOTE:** This component is required only if SQL Server is not installed locally (i.e. the MNE Server is connecting to a remote SQL instance). • Windows PowerShell 3.0, which is part of Windows Management Framework 3.0 (included with any MNE-supported OS). • Notes must be installed in single-user mode and configured. The Notes client version must be one of 9.0.1-12.0.2 (all ranges inclusive), and should match or be higher than the Domino server version. **NOTE:** MNE supports only 32-bit Notes clients. Notes 14 does not have a 32-bit version. A future update of MNE will add support for Notes 14 64-bit client. Until then, Quest recommends using 32-bit Notes 12.0.2 with Domino 14.0. • The 32-bit edition (only) of Outlook 2024, 2021, 2019 or 2016. The Outlook client must also conform to the Microsoft version requirements for the applicable Exchange target version. See the Exchange Server supportability matrix for more details. • The MAPI DLLs required to perform a migration must be those that are part of Outlook, not the downloadable Exchange "server" MAPI. • Update for Universal C Runtime in Windows. See the Microsoft knowledge base article KB2999226.
Also required for Microsoft 365 target	• ExchangeOnlineManagement v3.2 • Microsoft.graph 2.22.0 • Configuration of an Azure Application ID (App ID) in the destination tenant. • The App ID must be entered into the MNE configuration. (See the Administration Guide for instructions.)

To install compatible Exchange Online and Microsoft Graph PowerShell modules

Open PowerShell as Administrator and run the following commands:

1 To install Microsoft Graph

```
install-module -name Microsoft.Graph -requiredversion 2.22
```

2 To Install Exchange Online Management 3

```
install-module -name ExchangeOnlineManagement -requiredversion 3.2
```

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.

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 7.

Requirement	Description
Supported operating systems	• Windows 11 or Windows 10, 32-bit or 64-bit edition. • Windows Server 2022: 64-bit edition. • Windows Server 2019: 64-bit edition. • Windows Server 2016: 64-bit edition.
Required Outlook client	Outlook 2024, 2021, 2019, or 2016. The Outlook client must also conform to Microsoft's version requirements for the applicable Exchange target version. See the Exchange Server supportability matrix for more details.
On each end-user SSDM desktop	Microsoft .Net Framework version 4.8 or later must be installed. The MAPI DLLs required to perform a migration **must** be those that are part of Outlook, not the downloadable Exchange "server" MAPI.
Required Notes client	• 12.0.0 to 12.0.2 (inclusive) • 11.0.0 or 11.0.1 (inclusive) • 10.0.0 or 10.0.1 (inclusive) • 9.0.1

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 **s**etup 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: 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 4.17. Make a backup copy of these files before performing the upgrade.

```
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
```

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.

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.

> **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.

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

   The MNE Installer exits and returns you to the *Autorun* utility on the **Install** tab. If you like, you can browse the other *Autorun* tabs.
9. 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.

IMPORTANT: If you are upgrading from MNE 4.16.3 or earlier and connecting to a Microsoft 365 tenant, a red asterisk will appear in the MNE console under **Edit Default Settings** > **Exchange Server**, next to App Registration. This indicates that you must open the **App Registration...** dialog and add the new Tenant ID field. The value to provide is the tenant ID from the Microsoft Azure App portal.

IMPORTANT: The required app permissions have changed. Consult chapter 1 of the Admin guide for the revised required API permissions.

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 such as Microsoft 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 creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Around the globe, more than 130,000 companies and 95% of the Fortune 500 count on Quest to deliver proactive management and monitoring for the next enterprise initiative, find the next solution for complex Microsoft challenges and stay ahead of the next threat. Quest Software. Where next meets now. 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.
- 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 8.

Component	License or acknowledgment
7-Zip 18.1.0	Use of this component is governed by the 7-Zip license.
AutoMapper 2.2	Copyright Jimmy Bogard 2008-2012. Use of this component is governed by the MIT 1.0 license.
Azure.Core 1.25.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
CommandLineParser 1.9	Copyright 2005-2012 Giacomo Stelluti Scala. Use of this component is governed by the MIT 1.0 license.
Common.Logging 1.2.0	Use of this component is governed by the Apache 2.0 license.
Microsoft.Practices.ServiceLocation 1.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the Microsoft Public License.
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 Crypto 5.6.0 license.
Entity Framework 5.0	Use of this component is governed by the Apache 2.0 license.
EWS Managed API 2.2.1.0	Copyright (c) Microsoft Corporation. All rights reserved. Use of this component is governed by the MIT 1.0 license.
ICU4C 57.1	Copyright (c) 1995-2014 International Business Machines Corporation and others. Use of this component is governed by the MIT 1.0 license.
JQuery 1.9.1	Copyright 2012 jQuery Foundation and other contributors. Use of this component is governed by the MIT 1.0 license.
JQuery UI 1.10.0	Copyright 2010 John Resig. http://jquery.com/. Use of this component is governed by the MIT 1.0 license.

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Component	License or acknowledgment
JQuery Validation 1.11	Use of this component is governed by the MIT 1.0 license.
liblz4 1.8.3	Use of this component is governed by the BSD Simple license.
Log4Net 2.2.1	Copyright 2004-2012 The Apache Software Foundation. Use of this component is governed by the Apache 2.0 license.
LumenWorks 3.8.0	LumenWorks.Framework.IO.CSV.CachedCsvReader Copyright (c) 2005 Sébastien Lorion. Use of this component is governed by the MIT 1.0 license.
Microsoft.Bcl.AsyncInterfaces 6.0.21	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT 1.0 license.
Microsoft.Graph 4.43.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
Microsoft.Graph.Core 2.0.13.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
Microsoft.Identity.Client 4.48.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
Microsoft.Identity.Client.Extensions.Msal 2.25.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
Microsoft.IdentityModel.Abstractions 6.22.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
Microsoft.IdentityModel.JsonWebTokens 6.23.1	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT 1.0 license.
Microsoft.IdentityModel.Logging 6.23.1	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT 1.0 license.
Microsoft.IdentityModel.Protocols 6.23.1	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT 1.0 license.
Microsoft.IdentityModel.Protocols.OpenIdConnect 6.23.1	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT 1.0 license.
Microsoft.IdentityModel.Tokens 6.23.1	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT 1.0 license.
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 MIT N/A license.
Modernizr 2.6.2	Use of this component is governed by the MIT 1.0 license.
Quartz.NET 1.0.3	Use of this component is governed by the Apache 2.0 license.
System.Buffers 4.6.28619.1	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
System.ComponentModel.Composition 4.8.3761.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
System.Data 4.8.3761.0	Copyright (c) Microsoft Corporation. Use of this component is governed by the MIT N/A license.
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