

# Dell Migration Manager for Exchange 8.13

## Update 20170303EX—Readme

March 3, 2017

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### Read This First

This update may require additional testing.

This cumulative update package contains hotfixes for Dell Migration Manager for Exchange issues that have been fixed since the release of Dell Migration Manager for Exchange 8.13.

For complete product information, please refer to the Migration Manager for Exchange product documentation.

#### **IMPORTANT:**

- You should install the latest Migration Manager for Active Directory update in order that the product works properly with this Migration Manager for Exchange update.
- It is strongly recommended to create a backup of SQL database before you install this update.
- After you install this update, and then update the SQL database, it is NOT recommended to start the MAgE agent instances that are not updated. If you do not follow this recommendation, you may experience some problems with your migration database and other undesirable side effects.

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### New in This Update

#### Features and Enhancements

Migrating mailboxes to Microsoft Exchange 2016 using the native mailbox move is now supported.

#### Resolved Issues

The following is a list of issues resolved by this update:

Defect ID	Issue Description
PT134353545	<p>The Contact item properties can be corrupted after migration.</p> <p><b>Scope:</b> Migration scenarios from Exchange 2003 or from Exchange 2007. All migration scenarios supported by MAgE, started from 8.11 either from 8.12 and continued in 8.13. All migration scenarios supported by MAgE, in case of UseEwsProtocolForSourceIfAvailable is set to <b>False</b>.</p> <p><b>Root-cause:</b> The properties ID, used in processing of the Contact items, have not been hardcoded – so we have the risk of corrupting these properties during migration.</p> <p><b>Fix:</b> The algorithm of processing of the Contact items has been improved to avoid using hardcoded IDs.</p>
PT134954401	<p>Native mailbox move may fail in case CAS Arrays or Load Balancers are used in either source or target Exchange organization.</p> <p><b>Scope:</b> Mailbox migration using the Native Move job.</p> <p><b>Root-cause:</b> MAgE was not able to get information required for New-MoveRequest in case of customer environment contained CAS Arrays or Load Balancers.</p> <p><b>Fix:</b> Now all required information about Exchange organization is obtained when that organization is added in the console and then it is saved to the database. MAgE then uses that information for constructing a proper New-MoveRequest. See also <a href="#">KB Article 225817</a>.</p>

## Changes in Requirements

After installing this update, you will need to use CPUU version 5.6.4 or higher.

Updates the following components: all Migration Manager for Exchange components.

## New in Previous Updates

## Features and Enhancements

- The following Exchange versions have been verified and confirmed as completely supported migration sources and targets:
  1. Microsoft Exchange 2007 with the recently released Update Rollup 22
  2. Microsoft Exchange 2010 with the recently released Update Rollup 16
  3. Microsoft Exchange 2013 with the recently released Cumulative Update 15
  4. Microsoft Exchange 2016 with the recently released Cumulative Update 4
- Microsoft Windows Server 2016 is now supported as an agent host operating system for Migration Agent for Exchange.
- Microsoft Exchange 2016 is now completely supported migration source for all the scenarios using MAgE.

- PT134190679: Now if you disable and then enable a collection in Migration Manager for Exchange console, its mailboxes are taken for processing as soon as possible ignoring delays set by the minimal processing intervals described in [Adjusting minimum processing intervals for MAgE](#). That provides ability to troubleshoot migration of certain mailboxes without affecting performance of the whole migration project.  
**Scope:** Migration to Office 365
- PT131870051: Synchronization statistics of collections and mailboxes within collections can be now obtained through Powershell using the new `Get-DMMECollectionStatistics` and `Get-DMMEExchangeMailboxStatistics` cmdlets, respectively. For details, see [Configuring Migration Using PowerShell](#).
- PT131544799: There is now an ability to explicitly define the FQDN of Client Access server on which the instance of the Microsoft Exchange Mailbox Replication service (MRS) runs for a native move collection. For details, see description of the `MRSServer` parameter in [Configuring Migration Using PowerShell](#) and at [this TechNet article](#).
- Migration to Exchange 2010 Using MAgE  
Now for mailbox and calendar synchronization you can use modern Migration Agent for Exchange instead of legacy agents in migration scenarios from Exchange 2010 or 2013 to Exchange 2010. This approach has lots of benefits including detailed migration statistics right from the console, more transparent set of required permissions, configuration, update and troubleshooting processes are simplified, improved scalability, etc.  
Detailed instructions how to prepare environment for such migration scenario are provided in the [Target Exchange 2010 Environment Preparation \(MAgE\)](#) document. Note that the following specifics apply:
  1. Unlike legacy agents, if you migrate using MAgE to Exchange 2010 it is not possible to keep existing offline folders (OST) files. If Outlook runs in cached mode, after CPUU processing of the Outlook profile is completed a new OST file will be created for it and then populated with content of the corresponding target mailbox.
  2. In case migration to a mixed target Exchange 2010 and 2013 is performed using MAgE, if in collection settings it is configured to create mailboxes in Exchange 2010, but DSA has previously created mailboxes for mailbox-enabled users in Exchange 2013 mailbox database, MAgE will not be able to automatically move mailbox from Exchange 2013 to Exchange 2010 database. To avoid this issue in the described scenario you need to configure DSA to create mailboxes for mailbox-enabled users in Exchange 2010 mailbox database. If you already encountered this issue, you can move mailboxes manually from Exchange 2013 to Exchange 2010 database.
  3. MAgE always works with source Exchange through EWS in case of migration from Exchange 2010 or 2013 to Exchange 2010 using MAgE, regardless of the `UseEwsProtocolForSourceIfAvailable` parameter value.
  4. Once migration of a mailbox has been started using legacy agents, it has to be completed with them as well. If you try to continue migration of the mailbox using MAgE, duplicates in the target mailbox will occur. To avoid this issue, delete the target mailbox and start migration of the mailbox from scratch.
  5. MAgE setup program requires Microsoft Exchange MAPI and CDO 1.2.1 to be installed on the agent host during installation of the agent for Exchange 2010/2013 to Exchange 2010 synchronization jobs. This happens because setup prerequisites are generalized for different types of synchronization jobs.
- PT3007691: Now you can configure migration project to support scenarios where Active Directory synchronization is performed using third-party tools instead of Migration Manager for Active

Directory. For details, see description of the `SupportADSyncThroughThirdPartyTools` parameter in [Configuring Migration Using PowerShell](#).

- PT107027980: Now if you disable and then enable a collection in Migration Manager for Exchange console, its mailboxes are taken for processing as soon as possible ignoring delays set by the minimal processing intervals described in [Adjusting minimum processing intervals for MAgE](#). That provides ability to troubleshoot migration of certain mailboxes without affecting performance of the whole migration project.  
**Scope:**  
Mailbox synchronization from Exchange 2003-2013 to Exchange 2013-2016  
Native mailbox move from Exchange 2003-2013 to Exchange 2003-2013
- Configure whether to apply filter settings for calendar items synced from target to source for a switched mailbox or during two-way calendar synchronization (PT127186953). For more information, see description for the `UseFilteringInBackwardSync` in [Configuring Migration Using PowerShell](#).
- Microsoft Exchange 2013 with the recently released Cumulative Update 14 is verified and confirmed as a completely supported migration source and migration target.
- Microsoft Exchange 2016 with the recently released Cumulative Update 3 is verified and confirmed as a completely supported migration target.
- The maximum possible values of `SizeLimitInMbPerBatchUploadToExchange` and `SizeLimitInMbPerBatchUploadToO365` have been decreased to 112MB. If current parameter value exceeds that limit, it will be automatically changed to 112MB. Also, the default value of the `MaxItemCountPerBatchUploadToO365` parameter has been decreased to 32. For details, see [Configuring Migration Using PowerShell](#).

## Resolved Issues

This cumulative update package contains all hotfixes for Dell Migration Manager 8.13 issues that have been included in the earlier updates:

Defect ID	Issue Description
PT139013717	<p>Migration of a mailbox fails if there is a user-created folder named 'Files' at source.</p> <p><b>Scope:</b> Mailbox migration from any supported source to Microsoft Office 365 or Exchange 2016 with Cumulative Update 4.</p> <p><b>Root-cause:</b> MAgE was not able to handle folders of <b>IPF.Files</b> class properly.</p> <p><b>Fix:</b> The algorithm of duplicate avoidance has been enhanced to handle a user folder named 'Files' properly.</p>
PT139013717	<p>Migration of a mailbox always fails for the described scope.</p> <p><b>Scope:</b> Mailbox migration from Microsoft Exchange 2016 with Cumulative Update 4 to Microsoft Office 365 or Exchange 2016 with Cumulative Update 4.</p> <p><b>Root-cause:</b> MAgE was not able to handle folders of <b>IPF.Files</b> class properly.</p> <p><b>Fix:</b> A system folder Files introduced for Exchange 2016 is now excluded from mail migration using <code>WellKnownFoldersToSkip</code> parameter.</p>

PT136661617	<p>An excessive memory consumption may occur in case of large messages migration.</p> <p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>• Mailbox migration scenarios where connection to source Exchange is performed through EWS</li> <li>• Backward calendar synchronization using MAgE</li> </ul> <p><b>Root-cause:</b> The number and size of messages to be downloaded at once was not limited neither by size nor by number of items.</p> <p><b>Fix:</b> Parameters <code>MaxItemCountPerBatchExportViaEws</code> and <code>SizeLimitInMbPerBatchExportViaEws</code> that set size and count limits for downloading mailbox items have been introduced. For more information, see <a href="#">Configuring Migration Using PowerShell</a>. Also, a mechanism preventing excessive memory consumption in case of encountering extra large mailbox items has been implemented.</p>
PT135220929	<p>Migration of mailboxes fails if connection to Exchange server is required to be performed through a hardware load balancer.</p> <p><b>Scope:</b> All migrations performed by Migration Agent for Exchange when a third-party tool is used for directory synchronization. For details, see <code>SupportADSyncThroughThirdPartyTools</code> description in <a href="#">Configuring Migration Using PowerShell</a>.</p> <p><b>Root-cause:</b> MAgE was unable to connect to Exchange servers in organization where only hardware load balancer had been exposed externally.</p> <p><b>Fix:</b> New <code>PSConnectionServer</code> parameter that specifies Exchange server with which MAgE and Console will establish PowerShell session. To resolve the described issue, specify the load balanced namespace in this parameter.</p>
PT138400461	<p>Custom folder permissions may be set incorrectly in a target mailbox during mailbox synchronization if <code>SupportADSyncThroughThirdPartyTools</code> is set to true.</p> <p><b>Scope:</b> All migrations performed by Migration Agent for Exchange when a third-party tool is used for directory synchronization. For details, see <code>SupportADSyncThroughThirdPartyTools</code> description in <a href="#">Configuring Migration Using PowerShell</a>.</p> <p><b>Root-cause:</b> An issue related to user matching caching was introduced in Update 20170117EX for Migration Manager for Exchange 8.13.</p> <p><b>Fix:</b> The issue with user matching has been fixed so that now custom folder permissions are synchronized properly in the described case.</p>
PT137793117	<p>Migration Agent for Exchange may create item duplicates in the source mailbox during backward calendar synchronization.</p> <p><b>Scope:</b> Calendar synchronization in case of migration from Exchange 2013 using MAPI.</p> <p><b>Root-cause:</b> During backward calendar synchronization Migration Agent for Exchange attempted to modify the <code>asfReceived</code> flag of <code>PidLidAppointmentStateFlags</code> appointments' property, which caused data corruption and creation of duplicates due to automatic retries.</p> <p><b>Fix:</b></p>

	<p>Now Migration Agent for Exchange does not modify the <b>asfReceived</b> flag of <b>PidLidAppointmentStateFlags</b> appointments' property in the described case.</p>
PT137157685	<p>Migration of a mailbox fails if its <b>proxyAddresses</b> attribute has multiple X500 addresses and the first one does not belong to the corresponding target mailbox.</p> <p><b>Scope:</b> All migrations performed by Migration Agent for Exchange</p> <p><b>Root-cause:</b> MAgE failed to find a target mailbox's <b>legacyExchangeDN</b> matching address of the source mailbox.</p> <p><b>Fix:</b> MAgE mechanism of finding matching target mailbox's <b>legacyExchangeDN</b> has been improved.</p>
PT135206169	<p>Migration halts for target Exchange organizations that include DAG if migration project has the <b>SupportADSyncThroughThirdPartyTools</b> parameter set as true.</p> <p><b>Scope:</b> All migrations to on-premises Exchange organizations performed by MAgE</p> <p><b>Root-cause:</b> MAgE was unable to gather information from a target Exchange organization in case DAG was deployed there and the <b>SupportADSyncThroughThirdPartyTools</b> parameter was set as true.</p>
PT133017559	<p>Migration of mailboxes in which one or more contacts do not have the <b>Subject</b> field fails.</p> <p><b>Scope:</b> Migration from Exchange 2007 or 2010 to Exchange 2010, 2013, 2016 or Office 365 using MAgE</p> <p><b>Root-cause:</b> MAgE failed to handle the situation when any contact lacked the <b>Subject</b> property.</p> <p><b>Fix:</b> Now MAgE can migrate such mailboxes properly.</p>
PT132648487	<p>Duplicates appear in the target mailbox after retrying migration of messages for which EWS upload has previously failed.</p> <p><b>Scope:</b> Migration from Exchange 2010 or 2013 to Exchange 2013, 2016 or Office 365 in case the EWS protocol is used to communicate with source (default behavior)</p> <p><b>Root-cause:</b> MAgE was not properly detecting already migrated messages in case EWS was used to communicate with a source mailbox.</p> <p><b>Fix:</b> Now MAgE properly detects already migrated messages which prevents creation of duplicates in the described case.</p>
PT132341609	<p>Out of Office automatic replies messages are not synchronized before mailbox switch</p> <p><b>Scope:</b> Migration to Exchange 2013, Exchange 2016 or Office 365</p> <p><b>Impact:</b> Out of Office automatic replies messages are not synchronized before mailbox switch. That impacts calendar co-existence as those messages may not stay in sync between source and target mailbox.</p> <p><b>Root-cause:</b> MAgE synced Out of Office automatic replies messages only after mailbox has been switched but before mailbox sync is completed.</p> <p><b>Fix:</b></p>

	<p>Now sync of Out of Office automatic replies is guaranteed to be performed in every mail synchronization session.</p>
PT134681549	<p>A mailbox might not be processed in case of target Exchange organization includes several Exchange servers.</p> <p><b>Scope:</b> Migration from Exchange 2010 or 2013 to Exchange 2013, 2016 or Office 365.</p> <p><b>Root-cause:</b> To get the server information from the target Exchange organization, MAgE used the component which have the following issue: resulting XML data returned by the SQL server are truncated by the certain length. So, in case of several Exchange servers in the target Exchange organization, the mailbox processing might be stopped.</p> <p><b>Fix:</b> Now MAgE uses a different method to get the necessary data, thereby avoiding the problem.</p>
PT13167525	<p>Mailbox or calendar synchronization fails to process folder permissions that are granted to non-migrated users or users that have not been assigned an Office 365 license yet.</p> <p><b>Scope:</b> Migration to Microsoft Office 365</p> <p><b>Root-cause:</b> MAgE had a bug in a mechanism of processing folder permissions in the described case.</p> <p><b>Fix:</b> Now MAgE ignores folder permissions that are assigned to non-migrated users or users that have not been assigned an Office 365 license yet. Therefore, such folder permissions will not be migrated, which is the expected behavior. A corresponding warning message will appear in MAgE logs in this case.</p>
PT130379445	<p>Synchronization of a mailbox might stuck at 'In Progress' if source mailbox has folders with the same names.</p> <p>Also this issue may occur in the following cases:</p> <ul style="list-style-type: none"> <li>• Source mailbox has well-known folders with localized non-English name and user folders with the same name. For instance, 'Calendar' and 'Agenda' (stands for 'Calendar' in Dutch).</li> <li>• Source mailbox has folders with names that differ only by their suffix and one of folders is a well-known folder. For instance, folders 'Calendar' and 'Calendar1', where 'Calendar1' is acting as a well-known folder.</li> </ul> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Root-cause:</b> If MAgE mechanism of folder matching encountered folders with the same name in a source mailbox, it treated them in the following way:</p> <ul style="list-style-type: none"> <li>• The most recently created folder from the source mailbox was matched to the corresponded folder at target.</li> <li>• Content of the other folders with that name was not taken for processing. This caused the mailbox to stuck at 'In Progress' state and therefore it could not be switched.</li> </ul> <p><b>Fix:</b> MAgE mechanism of folder matching has been improved. The most recently created folder is still matched to the corresponding target folder. However, for each other folder with the same name at source MAgE now creates a</p>

	<p>corresponding target folder named &lt;Source folder name&gt;_&lt;FOLDER_SOURCE_KEY&gt; and matches folders accordingly. This ensures that all the folders are processed properly and therefore mailbox synchronization succeeds.</p> <p>If you already encountered the described issue, take the following steps for each affected mailbox to apply fix:</p> <ul style="list-style-type: none"> <li>• Clear all content of the mailbox at target. Do not skip this step, otherwise subfolders of the same-named folders may not be resynchronized properly.</li> <li>• Perform full resynchronization of the mailbox with the <a href="#">ClearAllSyncDataOnResync</a> parameter set as TRUE.</li> </ul> <p>See also <a href="#">KB article 213779</a>.</p>
PT131649893	<p>Content of Sync Issues folder and its subfolders Conflicts, Local Failures, Server Failures is not skipped even if the Sync Issues folder is specified in the <a href="#">WellKnownFoldersToSkip</a> parameter.</p> <p><b>Scope:</b> Mailbox migration from Exchange 2010 to Exchange 2013, 2016 or Office 365 initiated from Migration Manager for Exchange 8.13.</p> <p><b>Root-cause:</b> Starting version 8.13, MAgE uses EWS managed API to support migration scenarios from Exchange 2010 and 2013. The Sync Issues folder has not been identified as well-known folder through EWS managed API in case of source Exchange 2010.</p> <p><b>Fix:</b> MAgE mechanism of well-known folder detection now identifies the Sync Issues folder as well-known folder properly in the described case. The Sync Issues folder along with its subfolders are now always skipped as their content is not meaningful at target. Note that Sync Issues folder will be skipped even if before this update <a href="#">WellKnownFoldersToSkip</a> parameter did not include it. Note that value of the <a href="#">WellKnownFoldersToSkip</a> parameter will not be preserved during update installation. You need to restore its value manually after update installation if necessary.</p>
PT132760481	<p>If MAgE fails to log on to source or target mailbox through EWS due to the <b>Mailbox move in progress</b> error, migration of that mailbox fails.</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Root-cause:</b> By variety of reasons source or target Exchange may perform a mailbox move operation during which a mailbox cannot be logged into using Exchange Web Services. If MAgE encounters such problem, it is considered as a critical error and thus migration of the mailbox fails (migration stage becomes <b>Failed</b>).</p> <p><b>Fix:</b> Now MAgE treats the described problem as transient, so if it happens the current migration session will just be aborted without changing the migration stage and MAgE will attempt to continue migration of the mailbox in the next migration session.</p>
PT131298645	<p>Messages which content includes properties of the <b>WM_BINARY</b> type cannot be migrated.</p> <p>For instance, such properties exist if message recipients expose their public key for message encryption.</p> <p>In the Statistics pane such items are treated as <b>Failed</b>.</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Root-cause:</b> MAgE did not support migration of messages with <b>WM_BINARY</b> properties.</p>



	<p><b>Fix:</b> Now messages that have properties of the <b>WM_BINARY</b> type are successfully synchronized by MAgE in both forward and reverse directions</p>
PT131980477	<p>Some of dynamic collection members might not be taken for processing for a long time.</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> Some of mailboxes for dynamic collections (collections populated through organization group or OU), might require a lot of time to complete the initial sync stage or might have a huge synchronization latency.</p> <p><b>Root-cause:</b> MAgE had a bug in a mechanism of selecting a mailbox to process from a dynamic collection.</p> <p><b>Fix:</b> Now the bug has been resolved. Also, mailboxes recently added to a dynamic collection will be taken for processing at the first place.</p>
PT132242543	<p>If you perform resynchronization of a mailbox with the UseSmartResync parameter configured to be TRUE, it may stuck. For details on UseSmartResync parameter, see <a href="#">Configuring Migration Using PowerShell</a>.</p> <p><b>Scope:</b> Mailbox migration from Exchange 2010, 2013 to Exchange 2013, 2016 or Office 365 initialized from Migration Manager for Exchange 8.13.</p> <p><b>Root-cause:</b> A bug in the resynchronization mechanism.</p> <p><b>Fix:</b> The bug in the MAgE resynchronization mechanism that caused the issue has been fixed.</p>
PT127354679	<p>Migration performance may degrade due to well-known folder detection failures</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> In case either source or target Exchange server is highly loaded, the well-known folder detection may fail. This causes migration performance to degrade.</p> <p><b>Root-cause:</b> Under certain conditions MAgE might not able to detect well-known folders and as a result exceptions occurred. That led to wasted migration sessions.</p> <p><b>Fix:</b> Now the mechanism of well-known folder detection is improved so no more migration sessions will be wasted because of the described problem.</p>
PT125844991	<p>Mailbox synchronization may fail if any well-known folder selected to be skipped has subfolders.</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> A mailbox synchronization may fail if any well-known folder selected to be skipped has subfolders. In this case the "System.Exception: Matching parent folder not found" error is traced. For details on skipping well-known folders, see the description of 'WellKnownFoldersToSkip' parameter at the User's Guide).</p> <p><b>Root-cause:</b> MAgE has not properly managed skipping of subfolders of the well-known folders selected to be skipped via 'WellKnownFoldersToSkip' parameter.</p> <p><b>Fix:</b> Mechanism of skipping subfolders of the well-known folders has been improved so mailbox synchronization no longer fails for this reason.</p>

PT130522047	<p>Most of specific settings of mailboxes cannot be processed by CPUU if MAgE connects to source through EWS.</p> <p><b>Scope:</b> Migration from Exchange 2010 or 2013 to Exchange 2010, 2013, 2016 or Office 365</p> <p><b>Impact:</b> Most of specific settings of mailboxes such as <b>Favorites, Calendar Pane, Contacts Pane</b>, etc., are not processed by Client Profile Updating Utility if MAgE connects to source Exchange through EWS.</p> <p><b>Root-cause:</b> MAgE did not mark migrated content properly in case MAgE connected to source through EWS.</p> <p><b>Fix:</b> Now content migrated by MAgE from source is marked properly in the described case. Note that in order to process by CPUU specific settings of mailboxes previously migrated through EWS, a resynchronization of those mailboxes is required.</p>
PT127804371	<p>SQL Server performance may drop over time in case of two-way calendar synchronization</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> In case of two-way calendar synchronization, size of SQL database may tangibly grow over time resulting in significant SQL Server performance drop. In this case MAgE logs the error 'System.Data.SqlClient.SqlException: Timeout expired'.</p> <p><b>Root-cause:</b> MAgE does not clear obsolete information from the SQL database.</p> <p><b>Fix:</b> MAgE algorithm is improved to clear obsolete information from the SQL database.</p>
PT126610849	<p>Reverse calendar sync may fail in case the default calendar has been changed</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> If the default calendar have been changed either at source or target, calendar sync may fail with the <b>Object Reference not set</b> error.</p> <p><b>Root-cause:</b> MAgE matched folders to sync incorrectly in the described case.</p> <p><b>Fix:</b> MAgE now matches folders to sync properly.</p>
PT129943875	<p>Skipped items counter is reset after the product update installation</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> Skipped items counter in the <b>Statistics</b> pane is reset after the product update installation. This causes <b>Progress</b> to be recalculated assuming that skipped items count is zero. Note that this does not affect actual skipped items.</p> <p><b>Root-cause:</b> Information about skipped items is dropped from the SQL database on update installation.</p> <p><b>Fix:</b> Now that information is not dropped, so that mailbox migration statistics remains consistent after product update installation.</p>
PT127370119	<p>Migration performance may decrease as well as agent host disk space utilization increases after MAPI logon failures</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p>

	<p><b>Impact:</b> If MAPI logon to source Exchange fails for any reason, that leads to migration performance drop and also agent host disk space utilization drastically increases.</p> <p><b>Root-cause:</b> Each time MAPI logon fails for any reason, MAgE creates a crash dump.</p> <p><b>Fix:</b> Now MAPI logoff operation is reworked to avoid the described situation.</p>
PT119263439	<p>Migration to a recreated mailbox database fails</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Impact:</b> Migration fails if a mailbox database has been deleted and then created again with the same <b>DisplayName</b>.</p> <p><b>Root-cause:</b> MAgE tries to work with a deleted mailbox database.</p> <p><b>Fix:</b> MAgE algorithm is improved to use a newly created mailbox database instead of the deleted one.</p>

Updates the following components: all Migration Manager for Exchange components.

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## Known Issues

The following known issue exists at the time of the update release:

Defect ID	Issue Description
PT133202635	<p>Synchronization of a mailbox might stuck at 'In Progress' in the following case:</p> <ol style="list-style-type: none"> <li>1. A source mailbox has a user folder with the same name as the one of the well-known folders in a target mailbox. This also means there is a duplicate folder acting as well-known folder at source.</li> <li>2. The source well-known folder is listed as a well-known folder to skip using the <a href="#">WellKnownFoldersToSkip</a> parameter.</li> </ol> <p>For instance, the issue occurs if source user folder and target well-known folder are both named 'RecipientCache' and also there is a duplicate folder 'RecipientCache1' at source which acts as a well-known folder and is specified in the <a href="#">WellKnownFoldersToSkip</a> parameter.</p> <p><b>Scope:</b> Migration to Exchange 2013, 2016 or Office 365</p> <p><b>Root-cause:</b> In the described case when MAgE attempts to clarify whether the current source well-known folder is matched to the corresponding target well-known folder, the mailbox processing might be halted. It sticks at 'In Progress' state and therefore cannot be switched.</p>

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## Applicability of This Update

Product Name	Product Version	Platform
Migration Manager for Exchange	8.13	All supported

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## Contents of This Package

The following files are shipped:

1. **DellMigrationManager\_8.13\_Update20170303EX.msp**—update package.
2. **MigrationManager\_8.13\_Update\_20170303EX.htm**—this file.
3. **FilesUpdatedReport.html**

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## Files Updated

For the list of updated files, see the *FilesUpdatedReport.html* file shipped with the update.

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## How to Install This Update

To install the update, complete the following steps:

1. It is strongly recommended to create a backup of SQL database before you install this update.
2. Ensure that you have .NET Framework 4.5 installed on all agent hosts running Migration Agent for Exchange.
3. Stop all Migration Agents for Exchange (MAgE) agents on all agent hosts.
4. Stop all COM+ applications that are used by MAgE agents. For that, go to **Start | Administrative Tools | Component Services** to open the Component Services console. In the console tree view, go to **Component Services | Computers | My Computer | COM+ Applications**, then right-click the **Dell Migration Agent for Exchange MAPI Assistant** node and select **Shut down**.
5. On the computer where the Migration Manager console is installed, complete the following steps:
  - a. Close the Migration Manager console if it is running.
  - b. Open the Services MMC snap-in and stop all services provided by Dell.
  - c. Run the **DellMigrationManager\_8.13\_Update20170303EX.msp** file and complete the update setup wizard.
  - d. If you stopped any services on step b, start them again (except MAgE services).

- e. Run the Migration Manager console. The SQL database will be updated automatically during the start of the Migration Manager console.
  - f. To update the legacy agents, do the following: in the Migration Manager console, right-click **Exchange Migration Project** on the **Exchange Data** tab and select the **Hotfix Installation Wizard** from the shortcut menu.
  - g. Follow the wizard steps to install the update on all computers with the components that need to be updated. The list of updated components is different depending on the updates that are already installed in your environment.
6. If you use Native Move or migrate to Office 365 or Exchange Server 2013, update all MAgE agents. For that, go to the **Agents Management** section in the Migration Manager console, and perform the **Repair Agents** action on every agent host that has Migration Agent for Exchange installed.

**NOTE:** During the **Repair** operation for an instance of MAgE agent or for the certain agent role, this update will be installed on all instances of all MAgE agent roles that reside on the agent host.

The installation does not affect existing settings. All your projects remain intact and can be continued after installation.

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## How to Determine If This Update Is Installed

To determine if this update is installed, complete the following steps:

- On each MAgE agent host
  1. Open **Programs and Features** in the Control Panel and check the version of MAgE: **8.13.0.3394**.
  2. Open the list of installed updates in the **Installed Updates** section and check the current MAgE update: **Dell Migration Agent for Exchange 8.13 Update 20170303EX**. Be advised that the list of installed updates contains only the latest installed update. All previous updates that were applied to the MAgE agent earlier are not displayed.
- On the computer where Migration Manager console is installed
  1. Open **Programs and Features** in the Control Panel and check the version of Migration Manager: **8.13.0.3394**.
  2. Open the list of installed updates in the **Installed Updates** section and check the current Migration Manager update version: **Dell Migration Manager 8.13 Update 20170303EX**.
  3. Check whether the **MAgE.msp** file exists in the following location: **<DMMEEx install folder>\Exchange Data\Hotfixes**.
- After this update installation, check the agent log: the Product Version in the agent log is **8.13.0.3394**, the version of the SQL database is **3602**.

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## For More Information

### Contact Information

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- Create, update, and manage Service Requests (cases)
- Knowledge Base
- Product notifications
- Software downloads<sup>1</sup>
- How-to videos
- Community discussions
- Chat option

<sup>1</sup> For trial users please use the [Trial Downloads](#) to get the latest generally available version of the software.

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