

# One Identity Manager 8.0.4

## Release Notes

### September 2019

These release notes provide information about the One Identity Manager release. You will find all the modifications since One Identity Manager version 8.0.3 listed here.

One Identity Manager 8.0.4 is a patch release with new functionality and better behavior. See [Features](#) on page 2 and [Enhancements](#) on page 3.

If you are updating a One Identity Manager version older than One Identity Manager 8.0.3, read the release notes from the previous versions as well. You will find the release notes and the release notes about the additional modules based on One Identity Manager technology under [One Identity Manager Support](#).

For changes to the Web Designer and the Web Portal since the last version, see the document *Web Designer and Web Portal Changes*.

One Identity Manager documentation is available in both English and German. The following documents are only available in English:

- One Identity Manager Password Capture Agent Administration Guide
- One Identity Manager LDAP Connector for CA Top Secret Reference Guide
- One Identity Manager LDAP Connector for IBM RACF Reference Guide
- One Identity Manager LDAP Connector for IBM AS/400 Reference Guide
- One Identity Manager LDAP Connector for CA ACF2 Reference Guide
- One Identity Manager REST API Reference Guide
- One Identity Manager Web Runtime Documentation
- One Identity Manager Object Layer Documentation
- One Identity Manager Composition API Object Model Documentation

# About One Identity Manager 8.0.4

One Identity Manager simplifies the process of managing user identities, access permissions and security policies. You allow the company control over identity management and access decisions whilst the IT team can focus on their core competence.

With this product, you can:

- Implement group management using self service and attestation for Active Directory with the One Identity Manager Active Directory Edition
- Realize Access Governance demands cross-platform within your entire concern with One Identity Manager

Each one of these scenario specific products is based on an automation-optimized architecture that addresses major identity and access management challenges at a fraction of the complexity, time, or expense of "traditional" solutions.

## Features

New features in One Identity Manager 8.0.4:

### Web applications

- It is now possible, with the help of three Web Designer configuration keys, to specify the format of date and time input for the entire web project.

New Web Designer configuration keys:

- VI\_Common\_InputFormat\_DateTime
- VI\_Common\_InputFormat\_Date
- VI\_Common\_InputFormat\_Time

For more information about value formats, see <https://docs.telerik.com/kendo-ui/framework/globalization/dateformatting>.

### Target system connection

- Microsoft Exchange 2016 with cumulative update 12 is supported.

See also:

- [Enhancements](#) on page 3
- [Resolved issues](#) on page 5
- [Schema changes](#) on page 25
- [Patches for synchronization projects](#) on page 27

# Enhancements

The following is a list of enhancements implemented in One Identity Manager 8.0.4.

**Table 1: General**

Enhancement	Issue ID
Improved security against deserialization attacks.	30358
Improved security for the One Identity Manager Service API.	31542
Improved protection of the application server's API.	31553, 31564
Improved protection against damaging SQL statements.	31652, 31768
Improved performance in the vQBM_PGUIDReplaceLight procedure.	31676
The nonce parameter in the authentication module <b>OAuth 2.0/OpenID Connect</b> is no longer send to the token endpoint. The <code>client_id</code> parameter is only sent to the token endpoint if the endpoint is called without being authenticated. This change also makes authentication against OpenAM STS possible.	29933
If logging message of <b>Debug</b> type is set, a warning is written in the One Identity Manager Service's log file. If the log file is displayed in a browser, a warning is shown in the header.	31338
Use the configuration parameter <b>QBM   DBQueue   GenProcIDReplaceLimit</b> to define a limit for process replacements.	31423
Improved error messages when transporting changes if an error occurs while implementing them in the target database.	32022
New consistency checks test whether or not there is a differed operation that has already been triggered but does not have a process in the Job queue.	32218

**Table 2: General web applications**

Enhancement	Issue ID
To prevent user sessions being stolen, the session ID is no longer given in the HTML code. The web application must run in Release mode for this.	31656
Improved security for dealing with column filters.	31754, 32192
On the Web Portal's start page, assignment resource, multi-requestable/unsubscribable resources, and resources are now visible in the	31934

Enhancement	Issue ID
<b>My Responsibilities</b> tile.	
Improved performance displaying requestable products in the Web Portal.	32057
Improved performance making approval decisions for request and attestations in the Web Portal .	32220
Improved accessibility of certain controls in the Web Portal.	799234

**Table 3: Target system connection**

Enhancement	Issue ID
Improved performance reloading objects from the database.	31404
The LDAP connector supports reading of auxiliary class attributes that were assigned in the object class schema through the auxiliaryClass attribute.	31483
The LDAP connector is more tolerant toward entries that are not RFC compliant.	31548, 31873
<p>This means that unmasked leading and trailing space characters, which do not conform to RFC 4514, are handled as insignificant, meaning they do not belong to the name anymore. All space characters that were disallowed according to RFC, are now normalized. Other non RFC compliant entries are ignored and warning written to the log.</p> <p><b>i</b>   <b>NOTE:</b> On your own LDAP systems, write operations on non RFC compliant entries result in errors.</p>	
The RACF connector supports the auxiliary class RacfUserCsdataSegment.	31356
Improved performance provisioning SAP user accounts.	31412
A patch with the patch ID VPR#31412 is available for synchronization projects.	
Improved split algorithm in the SAP connector if WHERE clauses in external schema extensions are very long.	31834
The SAP connector now uses SAP code pages 6100, 6200, and 6500.	32118
The Active Directory connector now finds objects in the configuration part of Active Directory if a connection to the domain is established.	32166
<p><b>i</b>   <b>NOTE:</b> To use this behavior for existing synchronization projects, update the target system schema in the Synchronization Editor in order to determine the object classes.</p>	

**Table 4: Identity and Access Governance**

Enhancement	Issue ID
Improved process monitoring of requests. The configuration parameter <b>Common   ProcessState   UseGenProcIDFromPWO</b> controls whether the GenProcID of an IT Shop request is retained for the entire approval process.	31418
Improved performance deleting customers with requests, from the IT Shop.	31668
Improved performance calculating QER_FTPW0VisibleForPerson.	32045
Business roles that are used in assignments resources, cannot be deleted anymore.	31806

See also:

- [Schema changes](#) on page 25
- [Patches for synchronization projects](#) on page 27

## Resolved issues

The following is a list of solved problems in this version.

**Table 5: General**

Resolved issue	Issue ID
The final line break is missing when CSV files with only one header are written.	31556
Migration fails if there are custom tables in a One Identity Manager History Database.	31530
Error message in the HistoryDB Manager if entries exist in the One Identity Manager History Database for columns that are not configured for recording changes.	31631
On a server with AlwaysOn availability groups, if a One Identity Manager History Database is not in an AlwaysOn availability group, data is not transferred to the One Identity Manager History Database.	31721
Error opening a form for many-to-many assignments, if a custom many-to-many table is not type <b>View</b> although part of the two column primary key references a table <b>View</b> table.	30580
Could not get member relation object for <M:N-Tabelle>.<FK-Spalte zur View>	

<b>Resolved issue</b>	<b>Issue ID</b>
DialogTree.ConfigurationFlags is not customizable.	31393
The <b>CCCEditPermissions</b> permissions group does not own sufficient permissions to create for default tables with custom columns.	31431
Environment variables in the FileName process parameter of the SQLComponent process component's DumpResult process function, are not replaced at runtime.	31513
Error setting a date control if the operating system and One Identity Manager have different language settings.	31541
In CustomProperty columns, @ cannot be used.	31593
In certain circumstances, the procedure QBM_PDeleteDeep leaves behind disabled triggers.	31677
Error executing the <b>GUID in primary key with invalid format</b> consistency check for the JobQueueStats table.	31688
Swagger definition in the application server's API documentation contains an unclosed XML statement.	31713
The CVSExport process function of the ScriptComponent process component, writes a header every time.	31731
In the Launchpad, the favorites are loaded.	31765
The <b>QBMLock has no entry but XMarkedForDeletion is set</b> and <b>QBMLock has entry without XMarkedForDeletion set</b> consistency checks return the wrong results for read-only tables. An error occurs when the repair method is run.	31799
The @ColumnName variable in QBM_ZSplittedLookupFill is too short for DialogColumn.ColumnName with a length of 29 or 30 characters.	31840
The <b>QBMLock has no entry but XMarkedForDeletion is set</b> consistency check, does not output the table name.	31860
All databases in an AlwaysOn availability group are given the same UniqueDatabaseId.	31866
In certain circumstances, the compiler dialog box is not displayed when transporting change labels, even though compilation is required.	31868
SingleDBObjectSnapshot does not mask XML special characters if the value is encrypted.	31869
Error in DBQueue Processor handling: Divide by zero error encountered.	31924, 31925
Changing an MVP column that is configured for logging changes, does not generate a recalculation task for watch* trigger.	31989

<b>Resolved issue</b>	<b>Issue ID</b>
If a process steps fails, the execution status of the following process step is correctly set to <b>False</b> however subsequent steps retain the execution status <b>Loaded</b> . This means that no more process steps are handled for this process.	32020
It is not possible to create schedules with a long interval because the start date is skipped.	32047
If a script being executed over the Execute Script process task of the PowerShellComponent process component fails, passwords contained in the script are written out in the One Identity Manager Service's log.	32089
Wrong transliteration of Đ(U0110) and đ(U0111) in the VID_TransliterateDiacritics script.	31737
Error describing the SPML test front-end configuration.	31728
Error adding objects to change labels.	32159, 32160
In certain circumstances, post-processing are not generated.	32194
Web application assemblies are not completely deleted during compilation.	32201
The dialog for editing report master data in the Report Editor can be opened twice at the same time.	Error 32202
Error migrating One Identity Manager version 8.0.2 to version 8.0.3 under Oracle Database: [810143] Database error 933: SQL command not properly ended.	32207
Errors when the RemoteConnectPlugin starts are not properly logged in the One Identity Manager Service.	32208

**Table 6: General web applications**

<b>Resolved issue</b>	<b>Issue ID</b>
In certain circumstances, the Web Portal freezes when exporting data.	31295
In the Web Portal, the date is displayed in UTC format in the employee's change history.	31434
In the Web Portal, the valid until date is transferred incorrectly to the shopping cart if the time is later than 23:59.	31484
The <b>VI_Edit_MultiLimitedValues</b> Web Designer component selects values from the wrong attribute in the filter condition.	31505
In the Web Portal, history data from One Identity Manager version 6 is not displayed correctly.	31523

<b>Resolved issue</b>	<b>Issue ID</b>
In certain circumstances, in the Web Designer, the key icon, which you click to manually establish a WCF connect, is not always visible.	31525
Write protected values for attestation cases can be changed in the Web Portal.	31603
The grid search cannot be hidden. The value <b>false</b> for the IsSearchActive variable in a grid extension is not taken into account.	31903
Very long latency in the Internet Explorer until the form for assigning a system entitlement to an owner in the Web Portal.	31037
In the Web Portal, report subscriptions can be saved without names.	31058
In the Web Designer, you cannot add extensions for certain objects (for example <b>VI_ITShop_DeleteItemFromCart</b> ).	31504
In certain circumstances, in the Web Portal, not all product categories are displayed on the product selection page.	31818
During installation of the Web Portal using the WebDesigner.Installer.exe on an SQL Server, the <b>OK</b> button is grayed out in the database connection dialog when you enter the password. This stops the installation from being completed.	31855
Report are not displayed correctly in Internet Explorer and Microsoft Edge.	31896
In the Web Portal, on the employee history page, it is not possible to sort the table without setting a filter beforehand.	31938
In the Web Portal, an error occurs if, within one session, a new subgroup is added to an Active Directory group and another subgroup is added under the first subgroup.	31940
In the Web Portal, if you temporarily deactivate an employee, an error occurs if the current date is selected in <b>Temporarily disabled until</b> .	31967
In certain circumstances in the Web Designer, an object is loaded without the mandatory column XObjectKey.	31971
In the Web Designer, if the value of <b>Minimum number of characters</b> is set to less than 1025 characters in the copy or extension of a particular component (for example, <b>VI_UNNS_RequestNewGroup</b> ), then only a maximum of 1024 characters can be entered in this field in the Web Portal at a later date.	31980
The <b>Send a reminder mail</b> in the Web Portal, does not have a scroll bar.	31992
In the Web Portal, an error occurs if a report is shown that requires input of a value for a parameter.	32004
In certain circumstances in the Web Portal, filtering requesters in the request history causes an error.	32006



<b>Resolved issue</b>	<b>Issue ID</b>
In the Web Portal, displaying request queries takes a long time.	32018
In the Web Portal, if a filter is applied to both the <b>Request</b> column and the <b>Product</b> column, the results do not correspond to the filters anymore and too many results are displayed.	32019
In the Web Portal, the <b>Pending requests</b> page takes too long to show the pending requests.	32023
In the Web Portal, if you search while system entitlements are displayed, an error occurs.	32024
In the Web Portal, an error occurs while searching for products for a new request.	32066
In the Web Portal, displaying entitlements for staff, takes a long time.	32178
In the Manager web application, the icons in the menus are not shown correctly.	31960
When business roles are displayed in the Web Portal with Internet Explorer 11, the manager and deputy are missing.	32140

**Table 7: Target system connection**

<b>Resolved issue</b>	<b>Issue ID</b>
The correct variable set is loaded too late during synchronization startup.	31196
If synchronization deletes multiple objects and an error occurs deleting one of the objects, it is possible that not all the objects are deleted.	31549
Error processing an employee's changed memberships if the memberships are marked as outstanding.	31570
In certain circumstances, the DPR_Journal_Cleanup process blocks other processes that access the synchronization log.	31584
In certain circumstances, multiple mapping rules for the same property can lead to false or incomplete prototype objects.	31702
The calculation of which schema type must be loaded for scope handling, uses the wrong scope.	31714
During provisioning, no changes are written to the target system if a quota is defined in the provisioning workflow.	31823
During synchronization a method checked to see if it can be executed although the method is not allowed to be executed. This results in errors.	31913
Error synchronizing if the value of a schema property for resolving keys	31964

Resolved issue	Issue ID
contains more than one \$ character. The connector handles this value as a variable.	
Error provisioning group memberships if there are schema properties that are not mapped in the mapping to be executed.	32077
Provisioning processes are not generated if the mapping in use references a base map and the base map is not used in the provisioning workflow.	32152
Error during synchronization: This implementation is not part of the Windows Platform FIPS validated cryptographic algorithms.	32177
When you close a synchronization project, the password for logging in to the target system is saved incorrectly if it contains the dollar (\$) character.	32226
Changing the name of a container in Active Directory does not result in the distinguished name of sub containers changing in One Identity Manager.	31596, 31751
<p><b>i</b> <b>NOTE:</b> In the context of trouble shooting, the ADS_CreateDN script has also been corrected to map the distinguished name with masking. Check whether the script still fits your target system. You can overwrite the script if necessary.</p>	
The CN in Active Directory can only be 64 characters long.	31826
The ADS-K-PersonHasADSGroup DBQueue Processor task create ADS-K-ADSSyncInADSGroup tasks for Active Directory user accounts.	31844
In certain circumstances, the ADS-K-ADSGroupInADSGroup DBQueue Processor task never completes.	31905
In certain circumstances, Active Directory objects are marked as outstanding or deleted during synchronization but the marker is immediately removed again.	31908
On the form for assigning Active Directory groups to an Active Directory user account, groups are shown that are marked as only for use in the IT Shop.	31944
When an Active Directory user account is added, it is possible to enter a different primary group to that of <b>Domain Users</b> .	32061
If only upper and lower case changes in the display names of an Active Directory object, the change is not provisioned.	32091
If a double s changes to sz (ß) changes in the display names of an Active Directory objects, the change is not provisioned.	32112
The LDAP search filter for finding Active Directory objects is set up incorrectly. This means it finds too many objects. Only after the objects from all object classes have been loaded does the filter run again with the correct object	32166

Resolved issue	Issue ID
classes, effectively recalculating the object list correctly. However because too many objects were loaded in the first place, synchronization takes longer.	
Password Capture Agent driver quits when the <b>COMSysApp</b> service cannot be reached.	29088
In the Manager, tasks for creating a mailbox, an email user, or a remote mailbox are visible even though the Active Directory user account already has a mailbox or an email user or a remote mailbox.	30553, 31428
Error in the EX0_2010_EX0Mailbox_Update/Deactivate process if the Microsoft Exchange mailbox does not exist anymore in the database before provisioning.	31535
Error in the VI_BuildProxyAddress script.	31783
The EX0Mailbox.TotalItemSize column's display name does not match the value.	31879
If the revision property does not contain a value (NULL or empty string), the wrong data type is saved in the DPRRevisionStore table.	32222
Incorrect handling of schema properties that are marked as returned = request in the SCIM schema.	31733
A patch with the patch ID VPR#31733 is available for synchronization projects.	
Error applying the VPR#29844 patch.	32044
If a synchronization project with a custom project template is created, no variables are used in the connection parameters but fixed values from the variable set.	31739
The native database connector does not support the SQL Server data type, Datetime2.	31741
Inconsistencies loading LDAP multilanguage attributes.	31670
The racfInstallationData attribute must be added in the schema for the extendable object classes racfDataset and racfResource.	29918
In certain circumstances, an error occurs while searching for RACF dataset objects.	30587
Error accessing the SharePoint Online target system schema.	31499
A patch with the patch ID VPR#31499 is available for synchronization projects.	
Error create a new password policy in the Manager.	31495
Assignments of SAP roles to user accounts with XIsInEffect=0 are logged as deleted in the synchronization log each time synchronization is run.	31427
A patch with the patch ID VPR#31427 is available for synchronization projects.	

<b>Resolved issue</b>	<b>Issue ID</b>
Incorrect English translation of display names for the SAPUserHasParameter table.	31560
SAP-K-ProfileRestriction post-processing tasks are triggered for objects that are not SAP profiles.	31886
It is possible, if several price lists are enabled in SAP R/3 that contain a cross-section of license types, the references cannot be resolved for the SAP user account because no unique license can be assigned. A patch with the patch ID VPR#31930 is available for synchronization projects.	31930
If SharePoint web templates are loaded, the vrtObjectPath virtual schema property is made up of properties, which are not unique when combined.  <b>i</b> <b>NOTE:</b> The first synchronization after installing version 8.0.4 with synchronization in the direction of <b>One Identity Manager</b> marks existing SharePoint templates (SPSWebTemplate table) as outstanding and reloads the objects. The web templates marked as outstanding can be deleted.	31837
Error adding a SharePoint site collection: Another site already exists.	31831
Categories for group inheritance are not displayed properly on the master data form for custom target systems.	31563
Missing scope filter for the PersonInLocality schema type in the Oracle E-Business Suite connector. A patch with the patch ID VPR#31735 is available for synchronization projects.	31735
The G Suite connector cannot load more than 1000 G Suite product and SKU assignments.	32128
Error accessing the target system with the SCIM connector for One Identity Starling Connect.	31228

**Table 8: Identity and Access Governance**

<b>Resolved issue</b>	<b>Issue ID</b>
When system roles are requested, the request's compliance test does not recognize whether the compliance rule is violated by the company resources assigned to the system role.	31430
The CreateITShopOrder method is missing for Azure Active Directory objects.	31633
AttestationRun.HistoryNumber are not commented correctly.	31373
If a question was asked in an attestation case, the approval step might not be escalated if the time limit is exceeded.	31571

<b>Resolved issue</b>	<b>Issue ID</b>
Insufficient primary key definition for the ATTVCasesOpenByPerson view.	31667
If an approval step, for which a query was made, is escalated, the Hold status of the attestation case is not removed.	31991
The <b>Missing table assignment to PWODecisionRule for attestation</b> consistency check generates errors if the <b>ATTESTATION</b> pre-processor condition is not set.	31841
The CreateITShopOrder method is missing for Cloud user accounts and their memberships.	31859
Error in the VI_QERPolicy_QERPolicyHasObject_new violation process if the mail template configuration parameters are not set.	31711
The calculated risk for a column is not corrected if the column does not have a risk index function anymore.	31378
Calculated risk indexes are not immediately updated after they have changed.	31379
Incorrect risk index functions.	31395
Entries in the PersonHasObject table are not deleted when entries are deleted from the BaseTree table.	31417
The task QER-K-OrgAutoChild blocks the DBQueue.	31567
You should not be able to transport the ITShopOrg.UID_PWODecisionMethod column because the value must be calculated.	31705
The migration leaves behind BaseTreeHas* entries with XOrigin=2.	31716
Error displaying the dialog box for editing approval steps if the screen resolution is low.	31742
Failed process steps for IT Shop approvals do not go into the <b>FROZEN</b> status.	31744
In email notifications for the IT Shop, members of the chief approval team are also displayed.	31867
Email notification about pending requests are sent to members of the chief approval team.	31996
Error sending email notifications if approval of an additional approver is withdrawn.	31628, 31727
Deleting a BaseTree entry does not generate the required QER-K-AllForOnePerson task.	31919
If you temporarily deactivate an employee, an error occurs in the Manager if the current date is selected for <b>Temporarily disabled until</b> .	31967

<b>Resolved issue</b>	<b>Issue ID</b>
Error generating simple reports in CSV format.	32009, 32010
If memberships of Azure Active Directory user accounts in groups (ADDUser-InGroup table) are attested and automatic withdrawal of system entitlements on attestation failure is configured, the wrong memberships are deleted if the group is an Office 365 group or an Exchange Online mail-enabled distribution group.	31955
During synchronization of SAP authorization assignments to SAP groups, not all the objects are loaded. This means that rule violations are not found when SAP function compliance rules are checked.	32150
If a system entitlement does not have a container, the <b>TO</b> approval procedure cannot determine an approver.	32162
Error removing a service category (AccProductGroup table) from the hierarchy.	32171
If the number of approvers is given as <b>-1</b> (all employees found are approvers) in an approval step, the request is also presented for approval to the members of the chief approval team.	32172

**Table 9: IT Service Management**

<b>Resolved issue</b>	<b>Issue ID</b>
The <b>VI_Asset_ServerHasShares_MasterData</b> form does not have a tab for custom columns.	32060

See also:

- [Schema changes](#) on page 25
- [Patches for synchronization projects](#) on page 27

## Known issues

The following is a list of issues known to exist at the time of release of One Identity Manager.

**Table 10: General known issues**

Known Issue	Issue ID
If you connect to a database with the Database Compiler, the task QBM-K-CommonWaitForCompiler is immediately queued in the DBQueue. If Database Compiler ends without compiling the database, the task remains in the DBQueue.	23049, 24713
Error in the Report Editor if columns are used that are defined in the Report Editor as keywords. Workaround: Create the data query as SQL query and use aliases for the affected columns.	23521
Errors may occur if the Web Installer is started in several instances at the same time.	24198
Headers in reports saved as CSV do not contain corresponding names.	24657
Number of ParamName/ParamValue parameter pairs in the MailComponent's SendRichMail process task is not always sufficient. 10 parameter pairs are available by default. If this number is not sufficient, you can add additional custom process parameters, which Process Editor can then use as parameters. This function is available as from One Identity Manager version 7.0.	25164
In certain circumstances, objects can be in an inconsistent state after simulation in the Manager. If an object is changed or saved during simulation and the simulation is finished, the object remains in the final simulated state. It may not be possible to save other modifications to this object instance. Solution: Reload the object after completing simulation.	12753
Invalid module combinations can be selected in the Configuration Wizard. This causes errors at the start of the schema installation. Cause: The Configuration Wizard was started directly. Solution: Always use autorun.exe for installing One Identity Manager components. This ensures that you do not select any invalid modules.	25315
Schema extensions on a database view of type <b>View</b> (for example, Department) with a foreign key relation to a base table column (for example, BaseTree) or a database view of type <b>View</b> are not permitted.	27203
Error connecting through an application server if the certificate's private key, used by the VI.DB to try and encrypt its session data, cannot be exported and the private key is therefore not available to the VI.DB. Solution: Mark the private key as exportable if exporting or importing the certificate.	27793

Known Issue	Issue ID
<p>If a One Identity Manager database is operating in a cluster, the database is restored from a backup after a cluster failover. A new database ID is created in the process. This step cannot be missed out anymore otherwise the database cannot be compiled.</p>	28373
<p>Error resolving events on a view that does not have a UID column as a primary key.</p> <p>Primary keys for objects in the One Identity Manager always consist of one, or in the case of M:N tables, two UID columns. This is a rudimentary basic functionality in the system.</p> <p>The definition of a view that uses the XObjectKey as primary key, is not permitted and would result in more errors in a lot of other places.</p> <p>The consistency check <b>Table of type U or R with wrong PK definition</b> is provided for testing the schema.</p>	29535
<p>The default setting of globallog.config assumes that write access exists for %localappdata%. If an EXE does not have sufficient permissions, the log can be written to a directory that does have the access rights by changing the variable logBaseDir in the globallog.config or by introducing a special log configuration in the *.exe.config or the Web.config file.</p>	30048
<p>The One Identity Manager Service only logs messages in the event log <b>Application</b>, by default.</p> <p>Cause: To add an event log with another name, you require administrator permissions on the Job server.</p> <p>Solution:</p> <ol style="list-style-type: none"> <li>1. Add the file that the One Identity Manager Service should write to manually on the Job server. You can use Windows PowerShell, for example, to do this. <ol style="list-style-type: none"> <li>a. Run Windows PowerShell as administrator on the Job server.</li> <li>b. Run the following CmdLet: <pre>New-EventLog -Source "Foobar" -LogName "&lt;file name&gt;"</pre> </li> </ol> </li> <li>2. Enter this file name in the One Identity Manager Service's configuration file as the name for the event log in the module Logwriter .</li> <li>3. Restart the computer.</li> <li>4. Restart the One Identity Manager Service.</li> </ol>	30540
<p>The configuration parameter <b>QER   ITShop   LimitOfNodeCheck</b> specifies how many product nodes are deleted in one DBQueue Processor run if large numbers of products in the IT Shop are deleted through automatic processes. By default, 500 objects are processed in one run. Set the value lower if there</p>	30657



## Known Issue

## Issue ID

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are performance problems while executing the task QER-K-OrgAutoChild.

Outstanding objects are ignored by inheritance calculation. This means, all memberships and assignments remain intact until the outstanding objects have been processed.

30909

Start target system synchronization to do this.

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If the One Identity Manager database is installed in an SQL cluster (High Availability Group) and the option DTC\_SUPPORT = PER\_DB is set, replication between the server is done by Distributed Transaction.

30972

The error, in case a Save Transaction is carried out is: Cannot use SAVE TRANSACTION within a distributed transaction.

Solution: Disable the option DTC\_SUPPORT = PER\_DB.

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**Read Only** type tables with Common Table Expressions (CTE) in the ViewAddOn are not added in the schema.

As from One Identity Manager 7.0, the behavior of CTEs with the with keyword as condition for view definitions in database views of **Read only** type has changed. The conditions for view definitions are embedded in a summary query. This means, you cannot be sure that a common table expression is the very first expression in a query.

Possible error message:

```
(execute slot single)50000 0 re-throw in Procedure QBM_ZViewBuildR, Line 1050000 0 rethrow in Procedure QBM_PViewBuildR_intern, Line 10250000 0 re-throw in Procedure QBM_PViewBuildR_intern, Line 8250000 0 re-throw in Procedure QBM_PViewBuild_FromAddOn, Line 6550000 0 re-throw in Procedure QBM_PSQLCreate, Line 26156 0 detected in (...) Procedure ..., Line 6156 0 Incorrect syntax near the keyword 'with'
```

Recommended action:

1. Create a database view using Common Table Expressions.

Example:

```
create view CCC_Vxy as
with myWithClause (column1, column2) as (
select 1 as column1, 2 as column2
)
select * from myWithClause
go
```

2. Use the database view in the additional view definition (QBMViewAddon) of **Read only** type database views.

Known Issue	Issue ID
select * from CCC_Vxy	
If no date is given, the date 12/30/1899 is used internally. Take this into account when values are compared, for example, when used in reports.	31322

**Table 11: General web applications**

Known Issue	Issue ID
<p>The error message This access control list is not in canonical form and therefore cannot be modified sometimes occurs when installing the Web Portal with the Web Installer. The error occurs frequently after a Windows 10 Anniversary Update.</p> <p>Solution: Change the permissions for the users on the web application's parent folder (by default C:\inetpub\wwwroot) and apply the changes. Then revoke the changes again.</p>	26739
<p>An empty page is displayed in the Internet Explorer if the Operations Support Web Portal is opened with the URL.</p> <p>The Operations Support Web Portal is supposed to be run on an intranet site and the setting <b>Display intranet sites in Compatibility View</b> is set on the web server.</p> <p>Solution: Extend the section &lt;system.webServer&gt; in the Web Portal's configuration file (web.config). Enter an attribute or compatibility mode.</p> <pre>&lt;system.webServer&gt;   ...   &lt;httpProtocol&gt;     &lt;customHeaders&gt;       ...       &lt;add name="X-UA-Compatible" value="IE=11" /&gt;       ...     &lt;/customHeaders&gt;   &lt;/httpProtocol&gt; &lt;/system.webServer&gt;</pre>	750376
<p>Target system synchronization does not show any information in the Manager web application.</p> <p>Workaround: Use Manager to run the target system synchronization.</p>	30271
<p>It is not possible to log out of the Web Portal using OAuth 2.0/OpenID Connect because it is rerouted to a false address.</p>	30999

Known Issue	Issue ID
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Cause: If, in the configuration parameter **QER | Person | OAuthAuthenticator | LogoutEndpoint**, a URL without a parameter is given, the logout parameters are appended to the URL in the configuration parameter in a format incompatible with the browser.

Solution: Add a dummy parameter to the URL in the configuration parameter, for example, instead of **http://localhost/IdentityManager/logout** use the value **http://localhost/IdentityManager/logout?from=logout**.

The validity of a password, connecting the Password Reset Portal through the application server, is not tested until it is saved. The test script, invalid name components and the password history are not taken into account in the client-side test. A server-side test is done when the password is saved. Therefore, errors are not shown until the password is saved.	31354
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**Table 12: Target system connection**

Known Issue	Issue ID
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Memory leaks occur with Windows PowerShell connections, which use Import-PSSession internally.	23795
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After synchronizing an SAP R/3 environment, assignments of single role to SAP user accounts are labeled as pending.

This problem can occur if:

- SAP role assignments to user accounts were loaded in the One Identity Manager database before installing One Identity Manager 7.0.1
- Single role assignments, which are included in collective roles, were mapped as direct assignments (Error ID 3218196)

By resolving this problem in One Identity Manager 7.0.1, incorrect assignments are labeled as pending after synchronizing again using the appropriate synchronization configuration.

Solution: Delete pending assignments in One Identity Manager target system synchronization.

By default, the <b>HR_ENTRY_DATE</b> building block of an SAP HCM system cannot be called remotely.	25401
---	-------

Solution: Make it possible to access the **HR\_ENTRY\_DATE** building block remotely in your SAP HCM system. Create a mapping for the EntryDate schema property in the Synchronization Editor.

Any existing secondary SIP addresses are converted into primary email addresses when Microsoft Exchange mailboxes are added, providing that no primary SIP addresses were stored up to now.	27042
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Known Issue	Issue ID
<p>Error in IBM Notes connector (Error getting revision of schema type ((Server))).</p> <p>Probable cause: The IBM Notes environment was rebuilt or numerous entries have been made in the Domino Directory.</p> <p>Solution: Update the Domino Directory indexes manually in the IBM Notes environment.</p>	27126
<p>The SAP connector does not provide a schema property to establish whether a user has a productive password in SAP R/3.</p> <p>If this information is meant to be in One Identity Manager, extend the schema and the synchronization configuration.</p> <ul style="list-style-type: none"> <li>• Add a custom column to the table SAPUser.</li> <li>• Extend the SAP schema in the synchronization project by a new schema type that supplies the required information.</li> <li>• Modify the synchronization configuration as required.</li> </ul>	27359
<p>No passwords can be provisioned when the bind method <b>Fast Bind</b> is in use in Active Directory. The SetPassword method is therefore not available.</p> <p>The AdhocProjection process step fails with the message:</p> <p>[System.Runtime.InteropServices.COMException] Unknown name. (Exception from HRESULT: 0x80020006 (DISP_E_UNKNOWNNAME)).</p>	27427
<p>Synchronization projects for SAP R/3 that were imported by a transport into a One Identity Manager database, cannot be opened. The problem only occurs if an SAP R/3 synchronization project was not added in the target database before importing the transport package.</p> <p>Solution: Create and save at least one SAP R/3 synchronization project before you import SAP R/3 synchronization projects into this database with the Database Transporter.</p>	27687
<p>If an Active Directory user account has the property MailNickName, an error occurs when the mailbox is enabled.</p> <p>[System.Management.Automation.ActionPreferenceStopException] The running command stopped because the preference variable "ErrorActionPreference" or common parameter is set to Stop: ExternalEmailAddress is mandatory on MailUser.</p> <p>Cause: The property MailNickName is mapped in addition in the Active Directory mapping. This causes inconsistencies in the target system from the point the user accounts are added.</p> <p>A user account of this kind appears in the Microsoft Exchange console as a mail user but without a target email address. An attempt to open this object causes</p>	28820

**Known Issue****Issue ID**

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an object corrupted error in Microsoft Exchange.

Solution: Clear up inconsistencies in the affected user accounts in Active Directory and correct your Active Directory mapping.

---

Error loading single objects with Windows PowerShell if the parameter Identity is used. The error can occur during provisioning of changes made to objects in Microsoft Exchange or Exchange Online, for example, and causes follow-on errors. 29152

Windows PowerShell connector's message: Command yielded <count> objects but only one was expected.

Cause: Multiple objects with the same name exist.

---

Certain data is not loaded during synchronization of SAP R/3 personnel planning data that will not come into effect until later. 29556

Cause: The function BAPI\_EMPLOYEE\_GETDATA is always executed with the current date. Therefore, changes are taken into account on a the exact day.

Solution: To synchronize personnel data in advance that will not come into effect later, use a schema extension and load the data from the table PA0001 directly.

---

Error synchronizing an OpenDJ system if a password begins with an open curly bracket. 29620

Cause: The LDAP server interprets a generated password of the form {<abc>}<def> as a hash value. However, the LDAP server does not allow hashed passwords to be passed.

Solution: The LDAP server can be configured so that a hashed password of the form {<algorithm>}hash can be passed.

- On the LDAP server: Allow already hashed passwords to be passed.
- In the synchronization project: Only pass hashed passwords. Use the script properties for mapping schema properties that contain passwords. Create the password's hash value in the script.

---

If an employee's central password is used as the password for their user accounts, the password is not transferred to the password history of each individual user account. Therefore, reuse of the password cannot be prevented if the password is changed manually later. 29605

Cause: An employee's central password is an encrypted value that can only be entered in the password history when it is assigned to an employee.

Recommendation:

- Only use the employee's central password for the user accounts. Changes to the password are saved in the employee's password history.

**Known Issue****Issue ID**

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- OR -

- Only make changes to the passwords directly in the user accounts. This saves the password modifications in the user account's password history.

---

The Oracle E-Business Suite connector converts data with an unknown data type into strings and tries to write this value to the matching schema property in the One Identity Manager schema. 30098

---

If there are a large number of LDAP user accounts and LDAP groups in the database, provisioning might take a very long time. A message appears in the StdIO processor log(StdioProcessor.log) during the LDAP user account and LDAP groups update. 30172

DEBUG (SystemObjectData <static>) : Creating SystemObjectData based on entity (%DisplayName% (%cn%)) columns (UID\_LDAPAccount, UID\_LDAPContainer, UID\_LDPDomain, XObjectKey).

TRACE (SchemaElement static) : %DisplayName% (%cn%)@LDAPAccount[[]].GetValue (vrtScopeParentReference) returns ...

TRACE (SchemaElement static) : %DisplayName% (%cn%)@LDAPAccount[[]].GetValue (UID\_LDAPContainer) returns ...

Cause: No reference scope is defined so that the default scope is used for resolving references. This causes too much data to be loaded from the database.

Solution: Define an empty reference scope. This means that scopes are not calculated when references are resolved, which noticeably improves performance with larger amounts of data.

---

Inconsistencies in SharePoint can cause errors by simply accessing a property. The error also appears if the affected schema properties mapping is disabled. 31017

Cause: The SharePoint connector loads all object properties into cache by default.

Solution:

- Correct the error in the target system.
- OR -
- Disable the cache in the file VI.Pro-jector.SharePoint.<Version>.Host.exe.config.

---

If date fields in an SAP R/3 environment contain values that are not in a valid date or time formats, the SAP connector cannot read these values because type conversion fails. 32149

Solution: Clean up the data.

**Known Issue****Issue ID**

Workaround: Type conversion can be disabled. For this, SAP .Net Connector for .Net 4.0 on x64, version 3.0.15.0 or later must be installed on the synchronization server.

- IMPORTANT:** The solution should only be used if there is no alternative because the workaround skips date and time validation entirely.

**To disable type conversion**

- In the StdioProcessor.exe.config file, add the following settings.

- In the existing <configSections>:

```
<sectionGroup name="SAP.Middleware.Connector">
    <section name="GeneralSettings"
        type="SAP.Middleware.Connector.RfcGeneralConfiguration,
        sapnco, Version=3.0.0.42, Culture=neutral,
        PublicKeyToken=50436dca5c7f7d23" />
</sectionGroup>
```

- In the new section:

```
<SAP.Middleware.Connector>
    <GeneralSettings anyDateTimeValueAllowed="true" />
</SAP.Middleware.Connector>
```

**Table 13: Identity and Access Governance**

<b>Known Issue</b>	<b>Issue ID</b>
<p>Moving a shelf to another shop and the recalculation tasks associated with it can block the DBQueue.</p> <p>Solution:</p> <p>Parent IT Shop nodes of shelves and shops cannot be changed once they have been saved.</p> <p><b>To move a product in a shelf to another shop</b></p> <ul style="list-style-type: none"> <li>Select the task <b>Move to another shelf</b>.</li> <li>- OR -</li> <li>Assign the product to a shelf in the new shop then remove the product assignment to the previous shelf.</li> </ul> <p>Once you have moved all the products, you can delete the shelf.</p>	31413
<p>During approval of a request with self-service, the Granted event of the approval step is not triggered. In custom processes, you can use the OrderGranted event instead.</p>	31997

**Table 14: Third party contributions**

Known Issue	Issue ID
An error can occur during synchronization of SharePoint websites under SharePoint 2010. The method SPWeb.FirstUniqueRoleDefinitionWeb() triggers an ArgumentException. For more information, see <a href="https://support.microsoft.com/en-us/kb/2863929">https://support.microsoft.com/en-us/kb/2863929</a> .	24626
Installing the One Identity Manager Service with the Server Installer on a Windows Server does not work if the setting <b>File and Printer sharing</b> is not set on the server. This option is not set on domain controllers on the grounds of security.	24784
An error, TNS-12516, TNS-12519 or ORA-12520, sporadically occurs when connecting with an Oracle Database. Reconnecting normally solves this. Possible cause: The number of processes started has reached the limit configured on the server.	27830
Valid CSS code causes an error under Mono if duplicate keys are used. For more information, see <a href="https://github.com/mono/mono/issues/7455">https://github.com/mono/mono/issues/7455</a> .	29607
Cannot navigate with mouse or arrow keys in a synchronization log with multiple pages. Cause: The StimulReport.Net component from Stimulsoft handles the report as one page.	29051
Memberships in Active Directory groups of type <b>Universal</b> in a subdomain are not removed from the target system if one of the following Windows updates is installed: <ul style="list-style-type: none"> <li>• Windows Server 2016 : KB4462928</li> <li>• Windows Server 2012 R2 : KB4462926, KB4462921</li> <li>• Windows Server 2008 R2 : KB4462926</li> </ul> <p>We do not know whether other Windows updates also cause this error.</p> <p>The Active Directory connector corrects this behavior with a workaround by updating the membership list. This workaround may deteriorate the performance of Active Directory groups during provisioning and will be removed in future once One Identity Manager has resolved the problem. Microsoft</p>	30575
When connecting an external web service using the web service integration wizard, the web service supplies the data in a WSDL file. This data is converted into Visual Basic .NET code with the Microsoft WSDL tools. If, in code generated in this way, default data types are overwritten (for example, if the boolean data type is redefined), it can lead to various problems in One Identity Manager.	31998



# Schema changes

The following provides an overview of schema changes from One Identity Manager version 8.0.3 up to version 8.0.4.

## Cloud Systems Management Module

- Columns CSMUser.AccountName and CSMGroup.CN extended to nvarchar(256).

## Universal Cloud Interface Module

- Columns UCIClient.AccountName and UCIClient.CN extended to nvarchar(256).

# Changes to system connectors

The following provides an overview of the modified synchronization templates and an overview of all patches supplied by One Identity Manager version 8.0.3 to version 8.0.4. Apply the patches to existing synchronization projects. For more information, see [Applying patches to synchronization projects](#) on page 53.

# Modified synchronization templates

The following provides you with an overview of modified synchronization templates. Patches are made available for updating synchronization templates in existing synchronization projects. For more information, see [Patches for synchronization projects](#) on page 27.

**Table 15: Modification overview**

<b>Module</b>	<b>Synchronization template</b>	<b>Type of modification</b>
Azure Active Directory Module	Azure Active Directory synchronization	none
Active Directory Module	Active Directory synchronization	none
Active Roles Module	Synchronize Active Directory Domain via Active Roles	none
Cloud Systems Management Module	Universal Cloud Interface synchronization	none

<b>Module</b>	<b>Synchronization template</b>	<b>Type of modification</b>
Oracle E-Business Suite Module	Oracle E-Business Suite synchronization	none
	Oracle E-Business Suite CRM data	none
	Oracle E-Business Suite HR data	changed
	Oracle E-Business Suite OIM data	none
Microsoft Exchange Module	Microsoft Exchange 2010 synchronization (deprecated)	none
	Microsoft Exchange 2010 synchronization (deprecated)	none
	Microsoft Exchange 2010 synchronization (v2)	none
	Microsoft Exchange 2013_2016 synchronization (v2)	none
G Suite Module	G Suite synchronization	none
LDAP Module	AD LDS Synchronization	none
	OpenDJ Synchronization	none
IBM Notes Module	Lotus Domino synchronization	none
Exchange Online Module	Exchange Online synchronization (deprecated)	none
	Exchange Online synchronization (v2)	none
SAP R/3 User Management module Module	SAP R/3 Synchronization (Base Administration)	changed
	SAP R/3 (CUA subsystem)	none
SAP R/3 Analysis Authorizations Add-on Module	SAP R/3 BW	none
SAP R/3 Compliance Add-on Module	SAP R/3 authorization objects	none
SAP R/3 Structural Profiles Add-on Module	SAP R/3 HCM authentication objects	none
	SAP R/3 HCM employee objects	none
SharePoint Module	SharePoint synchronization	none
SharePoint Online Module	SharePoint Online synchronization	none
Universal Cloud Interface	SCIM Connect via One Identity	none

Module	Synchronization template	Type of modification
Module	Connect For Cloud	
	SCIM synchronization	none
Unix Based Target Systems Module	Unix Account Management	none
	AIX Account Management	none

## Patches for synchronization projects

The following is a list of all patches provided in One Identity Manager 8.0.4 for synchronization projects. Every patch contains a script, which tests whether the patch can be applied to the synchronization project. This depends on the specific configuration of the synchronization.

For more information, see [Applying patches to synchronization projects](#) on page 53.

**Table 16: Patches for Oracle E-Business Suite**

Patch ID	Patch	Description	Issue ID
VPR#31735	Definition of a scope for the PersonInLocality schema type.	Extends a scope definition for the PersonInLocality schema type in the One Identity Manager connection.  This patch is applied during the One Identity Manager automatic update.	31735

**Table 17: Patches for SharePoint Online**

Patch ID	Patch	Description	Issue ID
VPR#31499	Deletes the NewUrl schema property from the Site mapping.	Deletes the NewUrl schema property from the Site mapping.  This patch is applied during the One Identity Manager automatic update.	31499

**Table 18: Patches for SAP R/3**

Patch ID	Patch	Description	Issue ID
VPR#31412	Blacklist rule filter on "userInCUARole" step	Sets blacklist property mapping rules in the user synchronization step of the provisioning workflow.  This patch is applied during the One Identity	31412

Patch ID	Patch	Description	Issue ID
		Manager automatic update.	
VPR#31427	Sets filter for SAPUserInSAPRole (XIsInEffect <> 0)	Creates schema class AssignmentsInEffect for schema type SAPUserInSAPRole with the filter XIsInEffect <> '0' and uses it in userInRole and userInCUARole mappings.	31427
VPR#31930	Change the reference scope for the schema type SAPLicence	Corrects the reference scope of the schema type SAPLicence in the One Identity Manager connection.	31930

**Table 19: Patches for the SCIM interface (in Universal Cloud Interface Module)**

Patch ID	Patch	Description	Issue ID
VPR#31733	Update the connector schema	Updates the connector schema to enable editing of object properties that were marked with a return type of <b>request</b> . These properties must be queried explicitly.	31733

### Patches in One Identity Manager Version 8.0.3

**Table 20: Patches for Active Directory**

Patch ID	Patch	Description	Issue ID
VPR#30192	Scope definition and usage of processing method MarkAsOut-standing	Adds a scope and the processing method MarkAsOutstanding to the synchronization step trustedDomain.	30192

**Table 21: Patches for Oracle E-Business Suite**

Patch ID	Patch	Description	Issue ID
VPR#30464	Support for Oracle Database Editions	Adds a variable to the Oracle Database Edition configuration.	30464

**Table 22: Patches for Microsoft Exchange**

Patch ID	Patch	Description	Issue ID
VPR#31026	Optimizes revision filtering	Reloads the target system schema and replaces the revision counters whenChangedUTC and whenCreatedUTC with vrtRevision.	31026

**Table 23: Patches for IBM Notes**

Patch ID	Patch	Description	Issue ID
VPR#30313	Mapping for mailbox file access levels	Inserts a property mapping rule for access levels of mailbox files in the Person mapping.	30313

**Table 24: Patches for Exchange Online**

Patch ID	Patch	Description	Issue ID
VPR#30498	Removes property mapping rules from the OwaMailboxPolicy mapping	Removes property mapping rules BoxAttachmentsEnabled, DropboxAttachmentsEnabled and GoogleDriveAttachmentsEnabled from the OwaMailboxPolicy mapping.	30498
VPR#30588	Extends schema properties and property mapping rules in Calendar Processing (User/Shared) and Calendar Processing (Resource) mappings	Extends member lists in the schema properties vrtBookInPolicy, vrtRequestInPolicy and vrtRequestOutOfPolicy and updates the property mapping rules accordingly.	30588
VPR#31026	Optimizes revision filtering	Reloads the target system schema and replaces the revision counters whenChangedUTC and whenCreatedUTC with vrtRevision.	31026
VPR#31269	Modified implementation by extending various property mapping rules by a condition.	In the Mailbox mapping, a condition was added to various property mapping rules to modify implementation.	31269

**Table 25: Patches for SharePoint Online**

Patch ID	Patch	Description	Issue ID
VPR#30729	Corrects the <b>Mandatory</b> property of the SharePoint Online User.LoginName.	Corrects the <b>Mandatory</b> property of the schema property LoginName in the schema class User (all).  This patch is applied during the One Identity Manager automatic update.	30729

**Table 26: Patches for SAP R/3**

Patch ID	Patch	Description	Issue ID
VPR#30453	New property mapping rule for provisioning company data	New property mapping rule for mapping user account for provisioning company data.  This patch is applied during the One Identity Manager automatic update.	30453
VPR#30941	Blacklist rule filter on "userInCUARole" step	Defines property mapping rules to be excluded from the provisioning workflow's process step userInCUARole.  This patch is applied during the One Identity Manager automatic update.	30941

**Table 27: Patches for the SCIM interface (in Universal Cloud Interface Module)**

Patch ID	Patch	Description	Issue ID
VPR#30497	Allows configuration of local cache	Adds a variable for disabling use of local cache.  This patch is applied during the One Identity Manager automatic update.	30497

## Patches in One Identity Manager version 8.0.2

**Table 28: Patches for Active Directory**

Patch ID	Patch	Description	Issue ID
VPR#29837	Active Directory site maps corrected.	Property mapping rule for object classes in the site mapping have been corrected.	29837

**Table 29: Patches for Oracle E-Business Suite**

Patch ID	Patch	Description	Issue ID
VPR#28834	Correction of processing methods in the synchronization step for direct permission assignments	Changes the processing methods in the synchronization step userInRESPDirect from MarkAsOutstanding to Delete.	28834
VPR#29711	Property mapping rule corrections	Adjusts the mapping direction if the schema property in the target system is read-only.	29711

Patch ID	Patch	Description	Issue ID
		This patch is applied during the One Identity Manager automatic update.	
VPR#29740	Adds missing processing methods in the synchronization step HR PersonInLocation	Adds processing methods Insert and MarkAsOutstanding in the synchronization step HR PersonInLocation. This patch is applied during the One Identity Manager automatic update.	29740
VPR#30096	Corrects different properties in synchronization projects for employee and organizational data.	Set the option <b>Data import</b> and correct specific employee mapping properties in synchronization projects that have been created with the project templates for HR, CRM or OIM data.	30096

**Table 30: Patches for Microsoft Exchange**

Patch ID	Patch	Description	Issue ID
VPR#29902	Remove duplicate mapping rules	Removes duplicate property mapping rules.	29902
VPR#29903	Enables synchronization buffer for schema property vrtParentAddressList	Enables synchronization buffer for schema property vrtParentAddressList in the mapping LocalAddressList.	29903
VPR#29917	Changes to the property mapping rule for the schema property ExchangeGuid in the Mailbox mapping.	Enables the option <b>Force mapping against direction of synchronization</b> on the property mapping rule for the schema property ExchangeGUID in the mapping Mailbox. The patch can be applied to synchronization projects for Microsoft Exchange 2013 and 2016.	29917
VPR#30018	Connection parameters extended by an additional variable	Extends the target system connection parameters by an additional variable, PreferredServer.	30018

**Table 31: Patches for Exchange Online**

Patch ID	Patch	Description	Issue ID
VPR#29921	Remove duplicate mapping rules	Removes duplicate property mapping rules.	29921

**Table 32: Patches for SAP R/3**

Patch ID	Patch	Description	Issue ID
VPR#29733	Apply revision filtering to user account communication data.	Applies revision filtering to the synchronization steps userComFax, userComPhone and userComSMTP.  This patch is applied during the One Identity Manager automatic update.	29733
VPR#29877	Add revision properties for different schema classes	Applies revision filtering in the synchronization steps profileInProfile, profileInRole, roleInRole, userInGrp, userHasParameter and userInProfile.  This patch is applied during the One Identity Manager automatic update.	29877
VPR#30160	Apply variable for SNC security settings to connection parameters	Applies the variable for SNC security settings to connection parameters.  Depends on patch VPR#27420 that was supplied with version 7.1.2.	30160

**Table 33: Patches for SAP R/3 personnel planning data and structural profiles**

Patch ID	Patch	Description	Issue ID
VPR#30115	Corrected various properties in synchronization projects for personnel planning data.	Sets the option <b>Data import</b> in the synchronization steps Employee and OrgEH and corrects specific mapping properties in synchronization projects that were created with the project template for personnel planning.	30115

**Table 34: Patches for the SCIM interface (in Universal Cloud Interface Module)**

Patch ID	Patch	Description	Issue ID
VPR#29844	Use of variables in the connection parameters	Uses the variables created in the synchronization project in the target system connection parameters.	29844
VPR#30002	Correction of property mapping rules in the User mapping.	Corrected property mapping rules in User mapping in synchronization projects for One Identity Connect For Cloud applications.	30002



## Patches in One Identity Manager Version 8.0.1

**Table 35: Patches for Active Directory**

Patch ID	Patch	Description	Issue ID
VPR#27583	Support for domain functional levels 2016	Mapping of schema class domainDNS extended by the schema property msDF-ExpirePasswordsOnSmartCardOnly Accounts. Therefore, domain functional levels 2016 are supported.	27583
VPR#28863	Correction of patched synchronization projects	Corrects small differences between new synchronization projects and synchronization projects that have had patches applied to them.  This patch is applied during the One Identity Manager automatic update.	28863
VPR#29299	Corrects Active Directory site handling	Corrects import of Active Directory sites and child machines.	29299
VPR#29318	Set and remove maxPwdAge in domains	Corrects operation for resetting if maxPwdAge is set to <b>never</b> .	29318
VPR#29360	Avoid using employee mapping on insert	Marked employee mapping with <b>Only suitable for updates</b> .	29360
VPR#29410	Mapping of schema property ADSTGroup.AllowWriteMembers	Inserts a property mapping rule for the schema property AllowWriteMembers in the group map.  This patch is applied during the One Identity Manager automatic update.	29410
VPR#29603_ ADS	Property IsSecretValue corrected for user account passwords.	Marks passwords as sensitive data in the target system.  This patch is applied during the One Identity Manager automatic update.	29603

**Table 36: Patches for Active Roles**

Patch ID	Patch	Description	Issue ID
VPR#29318	Set and remove maxPwdAge in domains	Corrects operation for resetting if maxPwdAge is set to <b>never</b> .	29318

**Table 37: Patches for Oracle E-Business Suite**

Patch ID	Patch	Description	Issue ID
VPR#28876	Connection parameters extended	The connection parameters have been extended so that you can enter the user package for user account operations or a wrapper package.	28876
VPR#29528	Changes the definition of mandatory properties.	Updates the target system schema and corrects the definition of mandatory properties for adding new user accounts.  This patch is applied during the One Identity Manager automatic update.	29528
VPR#29543	Updates the target system schema.	Updates the target system schema for synchronizing security attribute assignments with different values to user accounts.  This patch is applied during the One Identity Manager automatic update.	29543
VPR#29565	Supplies variables for connection parameters	Connection parameters are supplied as variables.  This patch is applied during the One Identity Manager automatic update.	29565
VPR#29603_EBS	Property IsSecretValue corrected for user account passwords.	Marks passwords as sensitive data in the target system.  This patch is applied during the One Identity Manager automatic update.	29603

**Table 38: Patches for IBM Notes**

Patch ID	Patch	Description	Issue ID
VPR#28917	Changes the revision counter	Changes the revision counter. A new virtual schema property is used.  This patch is applied during the One Identity Manager automatic update.	28917

Patch ID	Patch	Description	Issue ID
VPR#29441	Property mapping rule corrections	Minor corrections of property mapping rules in Domain and Person mappings	29441
VPR#29603_ NDO	Property IsSecretValue corrected for user account passwords.	Marks passwords as sensitive data in the target system.  This patch is applied during the One Identity Manager automatic update.	29603

**Table 39: Patches for SAP R/3**

Patch ID	Patch	Description	Issue ID
VPR#29603_ SAP	Property IsSecretValue corrected for user account passwords.	Marks passwords as sensitive data in the target system.  This patch is applied during the One Identity Manager automatic update.	29603
VPR#29614	Corrected schema property vrtInactivePwd	Corrected the definition of the schema property vrtInactivePwd.  This patch is applied during the One Identity Manager automatic update.	29614

**Table 40: Patches for SAP R/3 personnel planning data and structural profiles**

Patch ID	Patch	Description	Issue ID
VPR#28927	Changed mapping for the employees' central SAP user account.	Corrects how to determine employees' SAP user account (USERID) and e-mail address (EMAILADDRESS)	28927

**Table 41: Patches for SAP R/3 authorization objects**

Patch ID	Patch	Description	Issue ID
VPR#29547	Updates the target system schema.	Updates the target system schema for synchronizing SAP transactions irrespective of how the translation is maintained.  This patch is applied during the One Identity Manager automatic update.	29547

**Table 42: Patches for SharePoint Online**

Patch ID	Patch	Description	Issue ID
VPR#29240A	Corrects errors in the reference resolution, part 1	Deletes all property mapping rules and object matching rules that Web.ID uses for resolving references or matching, respectively.  Prerequisite for patch VPR#29240B.  This patch is applied during the One Identity Manager automatic update.	29240
VPR#29240B	Corrects error resolving references, part 2	Creates new property mapping rules that use Web.Url for resolving references.  Depends on patch VPR#29240A.  This patch is applied during the One Identity Manager automatic update.	29240

**Table 43: Patches for the SCIM interface (in Universal Cloud Interface Module)**

Patch ID	Patch	Description	Issue ID
VPR#29454	Change group membership types	Inserts a new property mapping rule for the group membership's type.	29454
VPR#29603_ SCIM	Property IsSecretValue corrected for user account passwords.	Marks passwords as sensitive data in the target system.	29603

**Patches in One Identity Manager version 8.0****Table 44: General patches**

Patch ID	Patch	Description	Issue ID
VPR#27304	Method "UnmarkAsOutstanding"	Sets the method <b>UnmarkAsOutstanding</b> in provisioning workflows.	27304
	Milestone 8.0	Milestone for the context <b>DPR</b> .	
	Milestone 8.0	Milestone for the context <b>One Identity Manager</b> .	

**Table 45: Patches for Azure Active Directory**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>Azure Active Directory</b> .	

**Table 46: Patches for Active Directory**

Patch ID	Patch	Description	Issue ID
VPR#27457	New schema property for domains	Extends the One Identity Manager schema and the mapping for ADSDomain by the schema property ObjectSID.	27457
VPR#27769_ ADS	Converts connection parameters	Converts connection parameter names and values. This patch is applied during the One Identity Manager automatic update.	27769
VPR#28560_ ADS	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>Active Directory</b> .	
VPR#27997	Changes group membership mapping	Extended the mapping group by additional virtual schema properties. This allows group memberships to be synchronized without having to find object SIDs through the global catalog.  This is a patch for a new function. This patch can be applied optionally.	27997

**Table 47: Patches for Active Roles**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>Active Roles</b> .	

**Table 48: Patches for Microsoft Exchange**

Patch ID	Patch	Description	Issue ID
VPR#27447	Use ObjectVersion to determine Microsoft Exchange version	Changing the Organization mapping to find the Microsoft Exchange version from the schema property ObjectVersion.	27447
VPR#28904	Adds RemoteMailbox to the excluded list	This patch modifies the member filter's excluded lists. Apply this patch if an Exchange hybrid environment exists but it not synchronized with One Identity Manager yet.	28904
	Milestone 8.0	Milestone for the context <b>Microsoft Exchange</b> .	

**Table 49: Patches for LDAP**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>LDAP</b> .	

**Table 50: Patches for IBM Notes**

Patch ID	Patch	Description	Issue ID
VPR#27769_ NDO	Converts connection parameters	Converts connection parameter names and values.  This patch is applied during the One Identity Manager automatic update.	27769
VPR#28560_ NDO	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>IBM Notes</b> .	

**Table 51: Patches for SAP R/3**

Patch ID	Patch	Description	Issue ID
VPR#27769_ SAP	Converts connection parameters	Converts connection parameter names and values.  This patch is applied during the One Identity Manager automatic update.	27769
VPR#27289	Create new rules on SAP licence	Extended mapping Licencetype to property mapping rule for the schema property Countries and Special version.	27289
VPR#28560_ SAP	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>SAP R/3</b> .	

**Table 52: Patches for SAP R/3 personnel planning data and structural profiles**

Patch ID	Patch	Description	Issue ID
VPR#28560_ SAP	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>SAP R/3 structural profile add-on</b> .	

**Table 53: Patches for SAP R/3 BI analysis authorizations**

Patch ID	Patch	Description	Issue ID
VPR#28560_SAP	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>SAP R/3 analysis authorizations add-on</b> .	

**Table 54: Patches for SAP R/3 authorization objects**

Patch ID	Patch	Description	Issue ID
VPR#27539	Remove SAPRCRange mapping and extensions	Removes SAPRCRange from the schemas, mapping and workflows.	27539
VPR#27769_SAP	Converts connection parameters	Converts connection parameter names and values.  This patch is applied during the One Identity Manager automatic update.	27769
VPR#28560_SAP	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>SAP R/3</b> .	

**Table 55: Patches for SharePoint**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>SharePoint</b> .	

**Table 56: Patches for the SCIM interface (in Universal Cloud Interface Module)**

Patch ID	Patch	Description	Issue ID
VPR#27769_SCIM	Converts connection parameters	Converts connection parameter names and values.  This patch is applied during the One Identity Manager automatic update.	27769
VPR#27860	Conversion of profile mapping	Changes the property mapping rules for the schema properties id, canonical name and distinguished name to the new schema properties added for them in the One Identity Manager schema.	27860

Patch ID	Patch	Description	Issue ID
		This patch can only be applied in synchronization projects which contain the Profiles map. This patch is applied during the One Identity Manager automatic update.	
VPR#28560_ SCIM	Converts German display names	German display names of property mapping rules and virtual schema properties are converted to English.	28560
	Milestone 8.0	Milestone for the context <b>SCIM</b> .	

**Table 57: Patches for the Universal Cloud Interface interface (in Cloud Systems Management Module)**

Patch ID	Patch	Description	Issue ID
VPR#27371	Pending change provisioning optimization	Provides a new variable and alters the scope.	27371
	Milestone 8.0	Milestone for the context <b>Universal Cloud Interface</b> .	

**Table 58: Patches for Unix**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>Unix</b> .	

**Table 59: Patches for the One Identity Manager connector**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>Database</b> .	

**Table 60: Patches for the CSV connector**

Patch ID	Patch	Description	Issue ID
	Milestone 8.0	Milestone for the context <b>CSV</b> .	

## Deprecated features

The following features are no longer supported with this version of One Identity Manager:



- Provider mode, including the associated process component `ObjectTransferComponent`.

The One Identity Manager connector can be used for transporting data between One Identity Manager databases. For more detailed information about synchronizing using the One Identity Manager connector, see the *One Identity Manager User Guide for the One Identity Manager Connector*.

- Archiving historical data using XML files (version 8.0.1 or later)
  - The following configuration parameters have been removed: **Common | ProcessState | ExportPolicy | ExportPath, Common | ProcessState | ExportPolicy | ExportServer, ProcessInfoImport | ImportPath, ProcessInfoImport | ImportServer, ProcessInfoImport | IgnoreDirectOperations** and **ProcessInfoImport**.
  - The option **FILE** has been removed from the configuration parameter **Common | ProcessState | ExportPolicy**.
  - The schedules **Export process information** and **Import process information** have been removed.
  - The processes `VID_Export_ProcessInfo` and `VI_ProcessInfo_Import` have been removed.
  - The process tasks `ExportProcessInfo` and `ImportProcessInfo` have been removed from the process component `ScriptComponent`.

The following functions will be discontinued in later One Identity Manager versions and should no longer be utilized:

- Oracle Database as database system for the One Identity Manager database (no longer available as of release One Identity Manager version 8.1)

**NOTE:** Oracle Data Migrator is provided to help you convert the database system. The Oracle Data Migrator takes all the data belonging to an Oracle Database's database user from version 8.0.1 or later and transfers it to an SQL Server database with the same version.

You can obtain the tool and a quick guide from the support portal. To access the Support Portal, go to <https://support.oneidentity.com/identity-manager/>.

## System requirements

Ensure that your system meets the following minimum hardware and system requirements before installing One Identity Manager. For more detailed information about system prerequisites, see the *One Identity Manager Installation Guide*.

# Minimum requirements for the database server

One Identity Manager supports the following database systems:

- SQL Server
- Oracle Database

Processor	8 physical cores 2.5 GHz+ <b>i</b>   <b>NOTE:</b> 16 physical cores are recommended on the grounds of performance.
Memory	16 GB+ RAM
Hard drive storage	100 GB
Operating system	Windows operating systems Following versions are supported: <ul style="list-style-type: none"><li>• Windows Server 2016</li><li>• Windows Server 2012 R2</li><li>• Windows Server 2012</li><li>• Windows Server 2008 R2 (non-Itanium based 64-bit) Service Pack 1 or later</li><li>• Windows Server 2008 (non-Itanium based 64-bit) Service Pack 2 or later</li></ul> UNIX and Linux operating systems <ul style="list-style-type: none"><li>• Note the minimum requirements of operating system vendors for Oracle databases and SQL Server databases.</li></ul>
Related Applications	SQL Server <ul style="list-style-type: none"><li>• SQL Server 2017 Standard Edition</li><li>• SQL Server 2016 Standard Edition, Service Pack 1 or later</li><li>• Compatibility level for databases: SQL Server 2016 (130)</li><li>• Default collation: case insensitive, SQL_Latin1_General_CP1_CI_AS (recommended)</li></ul> <b>i</b>   <b>NOTE:</b> The SQL Server Enterprise Edition is recommended on performance grounds. Oracle Database

- Oracle Database 12c Standard Edition or Enterprise Edition Version 12.1.0.2 and later

The patch level differs depending on the system platform.

**i** **NOTE:** It strongly recommended you apply the patches for Oracle bugs 18097476 (Doc ID 1683819.1) and 19497286 ( Doc ID 19497286.8)

- Character set unicode (AL32UTF8); parameter NLS\_LENGTH\_ SEMANTICS with the value **CHAR**

## Minimum requirements for the service server


Processor	8 physical cores 2.5 GHz+
Memory	16 GB RAM
Hard drive storage	40 GB
Operating system	<p>Windows operating systems</p> <p>Following versions are supported:</p> <ul style="list-style-type: none"> <li>• Windows Server 2016</li> <li>• Windows Server 2012 R2</li> <li>• Windows Server 2012</li> <li>• Windows Server 2008 R2 (non-Itanium based 64-bit) Service Pack 1 or later</li> <li>• Windows Server 2008 (non-Itanium based 64-bit) Service Pack 2 or later</li> </ul> <p>Linux operating systems</p> <ul style="list-style-type: none"> <li>• Linux operating system (64 bit), supported by the Mono project or Docker images provided by the Mono project.</li> </ul>
Additional software	<p>Windows operating systems</p> <ul style="list-style-type: none"> <li>• Microsoft .NET Framework Version 4.5.2 or later</li> </ul> <p><b>i</b> <b>NOTE:</b> Microsoft .NET Framework version 4.6.0 is not supported.</p> <p><b>i</b> <b>NOTE:</b> Take the target system manufacturer's recommendations for connecting the target system into account.</p>

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Linux operating systems

- Mono 4.6 or later
- 

## Minimum requirements for clients

Processor	4 physical cores 2.5 GHz+
Memory	4 GB+ RAM
Hard drive storage	1 GB
Operating system	Windows operating systems <ul style="list-style-type: none"><li>• Windows 10 (32-bit 64-bit) with at least version 1511</li><li>• Windows 8.1 (32-bit or 64-bit) with the current service pack</li><li>• Windows 8 (32-bit or 64-bit) with the current service pack</li><li>• Windows 7 (32-bit or non-Itanium 64-bit) with the current service pack</li><li>• Windows Vista with the current service pack</li></ul>
Additional software	<ul style="list-style-type: none"><li>• Microsoft .NET Framework Version 4.5.2 or later</li></ul> <p> <b>NOTE:</b> Microsoft .NET Framework version 4.6.0 is not supported.</p>
Supported browsers	<ul style="list-style-type: none"><li>• Internet Explorer 11 or later</li><li>• Firefox (Release Channel)</li><li>• Chrome (Release Channel)</li><li>• Microsoft Edge (Release Channel)</li></ul>

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## Minimum Requirements for the Web Server

Processor	4 physical cores 1.65 GHz+
Memory	4 GB RAM
Hard drive storage	40 GB
Operating system	Windows operating systems <ul style="list-style-type: none"><li>• Windows Server 2016</li></ul>


- 
- Windows Server 2012 R2
  - Windows Server 2012
  - Windows Server 2008 R2 (non-Itanium based 64-bit) Service Pack 1 or later
  - Windows Server 2008 (non-Itanium based 64-bit) Service Pack 2 or later

#### Linux operating systems

- Linux operating system (64 bit), supported by the Mono project or Docker images provided by the Mono project. Note the operating system manufacturer's minimum requirements for Apache HTTP Server.

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#### Additional software Windows operating systems

- Microsoft .NET Framework Version 4.5.2 or later
  -  **NOTE:** Microsoft .NET Framework version 4.6.0 is not supported.
- Microsoft Internet Information Service 10 or 8.5 or 8 or 7.5 or 7 with ASP.NET 4.5.2 and Role Services:
  - Web Server | Common HTTP Features | Static Content
  - Web Server | Common HTTP Features | Default Document
  - Web Server | Application Development | ASP.NET
  - Web Server | Application Development | .NET Extensibility
  - Web Server | Application Development | ISAPI Extensions
  - Web Server | Application Development | ISAPI Filters
  - Web Server | Security | Basic Authentication
  - Web Server | Security | Windows Authentication
  - Web Server | Performance | Static Content Compression
  - Web Server | Performance | Dynamic Content Compression

#### Linux operating systems

- Mono 4.6 or later
- NTP - Client
- Apache HTTP Server 2.0 or 2.2 with the following modules:
  - mod\_mono
  - rewrite
  - ssl (optional)

# Minimum requirements for the Application Server

Processor	8 physical cores 2.5 GHz+
Memory	8 GB RAM
Hard drive storage	40 GB
Operating system	<p>Windows operating systems</p> <ul style="list-style-type: none"><li>• Windows Server 2016</li><li>• Windows Server 2012 R2</li><li>• Windows Server 2012</li><li>• Windows Server 2008 R2 (non-Itanium based 64-bit) Service Pack 1 or later</li><li>• Windows Server 2008 (non-Itanium based 64-bit) Service Pack 2 or later</li></ul> <p>Linux operating systems</p> <ul style="list-style-type: none"><li>• Linux operating system (64 bit), supported by the Mono project or Docker images provided by the Mono project. Note the operating system manufacturer's minimum requirements for Apache HTTP Server.</li></ul>
Additional software	<p>Windows operating systems</p> <ul style="list-style-type: none"><li>• Microsoft .NET Framework Version 4.5.2 or later<ul style="list-style-type: none"><li>•  <b>NOTE:</b> Microsoft .NET Framework version 4.6.0 is not supported.</li></ul></li><li>• Microsoft Internet Information Service 10 or 8.5 or 8 or 7.5 or 7 with ASP.NET 4.5.2 and Role Services:<ul style="list-style-type: none"><li>• Web Server   Common HTTP Features   Static Content</li><li>• Web Server   Common HTTP Features   Default Document</li><li>• Web Server   Application Development   ASP.NET</li><li>• Web Server   Application Development   .NET Extensibility</li><li>• Web Server   Application Development   ISAPI Extensions</li><li>• Web Server   Application Development   ISAPI Filters</li><li>• Web Server   Security   Basic Authentication</li><li>• Web Server   Security   Windows Authentication</li><li>• Web Server   Performance   Static Content Compression</li></ul></li></ul>

- Web Server | Performance | Dynamic Content Compression

Linux operating systems

- Mono 4.6 or later
- NTP - Client
- Apache HTTP Server 2.0 or 2.2 with the following modules:
  - mod\_mono
  - rewrite
  - ssl (optional)

## Supported data systems

This section lists the data systems supported by One Identity Manager connectors in this version.

**Table 61: Supported data systems**

Connector	Supported data systems
Connectors for delimited text files	Any delimited text files.
Connector for relational databases	Any relational databases supporting ADO.NET. <b>i</b> <b>NOTE:</b> Additional installation of an ADO.NET data provider from a third party may be necessary. Ask Microsoft or the relational database producer.
Generic LDAP connector	Any LDAP directory server conforming to version 3. The LDAP connector requires the directory server to be RFC conform. Specifically, to conform to the standards RFC 4514 ( <a href="#">String Representation of Distinguished Names</a> ) and RFC 4512 ( <a href="#">Directory Information Models</a> ). <b>i</b> <b>NOTE:</b> Other schema and provisioning process adjustments can be made depending on the schema.
Web service connector	Any SOAP web service providing wsdl. <b>i</b> <b>NOTE:</b> You can use the web service wizard to generate the configuration to write data to the web service. You require additional scripts for reading and synchronizing data used by the web service connector's methods.

## Connector Supported data systems

Active Directory connector	Active Directory, shipped with Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2 and Windows Server 2016.
Microsoft Exchange connector	<ul style="list-style-type: none"><li>• Microsoft Exchange 2010 Service Pack 3 or later</li><li>• Microsoft Exchange 2013 Service Pack 1 or later</li><li>• Microsoft Exchange 2016</li><li>• Microsoft Exchange hybrid</li></ul>
SharePoint connector	<ul style="list-style-type: none"><li>• SharePoint 2010</li><li>• SharePoint 2013</li><li>• SharePoint 2016</li></ul>
SAP R/3 connector	<ul style="list-style-type: none"><li>• SAP Web Application Server 6.40</li><li>• SAP NetWeaver Application Server 7.00, 7.01, 7.10, 7.11, 7.20, 7.31, 7.40, 7.40 SR 2 and 7.50</li><li>• SAP ECC 5.0 and 6.0</li><li>• SAP S/4HANA On-Premise-Edition</li></ul>
Unix connector	Supports the most common Unix and Linux derivatives. For more information, see the <a href="#">Authentication Services</a> specifications.
IBM Notes connector	<ul style="list-style-type: none"><li>• Lotus Domino Server Version 8.0 up to Lotus Domino Server Version 10.0</li><li>• In the client version, IBM Notes client 8.5.3 and 10.0 are supported.</li></ul>
Native database connector	<ul style="list-style-type: none"><li>• SQL Server</li><li>• Oracle Database</li><li>• SQLite</li><li>• MySQL</li><li>• DB2 (LUW)</li><li>• CData ADO.NET Provider</li><li>• SAP HANA</li></ul>
Mainframe connector	<ul style="list-style-type: none"><li>• RACF</li><li>• IBM i</li><li>• CA Top Secret</li><li>• CA ACF2</li></ul>
Windows PowerShell	<ul style="list-style-type: none"><li>• Windows PowerShell version 3 or later</li></ul>



## Connector Supported data systems

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connector

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Active Roles connector

- Active Roles 6.9, 7.0, 7.2

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Azure Active Directory connector

- Microsoft Azure Active Directory

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SCIM connector

Cloud applications, which recognize the System for Cross-domain Identity Management (SCIM) specification in version 2.0.

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Exchange Online connector

- Microsoft Exchange Online

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G Suite Connector

- G Suite

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Oracle E-Business Suite connector

- Oracle E-Business Suite System versions 12.1 and 12.2

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SharePoint Online connector

- Microsoft SharePoint Online

## Product licensing

Use of this software is governed by the Software Transaction Agreement found at <http://www.oneidentity.com/legal/sta.aspx> and the SaaS Addendum at <http://www.oneidentity.com/legal/saas-addendum.aspx>. This software does not require an activation or license key to operate.

## Upgrade and installation instructions

**NOTE:** To install One Identity Manager 8.0.4 for the first time, follow the installation instructions in the *One Identity Manager Installation Guide*. For more detailed instructions about updating, see the *One Identity Manager Installation Guide*.


**IMPORTANT:**

- Ensure that the administrative system user, who is going to compile the database, has a password before you update the One Identity Manager database to version 8.0.4. Otherwise the schema update cannot be completed successfully.
- Note the following for automatic software updating:
  - Automatic software updating of version 7.0 to version 8.0.4 only works smoothly if the service pack 7.0.3 is installed. In addition, the files VI.Update.d11 and JobService.d11 must be installed.  
  
Request the files VI.Update.d11 and JobService.d11 from the support portal.  
  
To distribute the file, use the Software Loader.  
  
Future version 7.0 service packs will already contain the changes to these files, and therefore, must not distributed separately.
  - Automatic software updating of version 7.1 to version 8.0.4 only works smoothly if the service pack 7.1.3 is installed.
- In One Identity Manager versions 8.0, 8.0.1, 8.0.2, the One Identity Manager History Service and the One Identity Manager Service were both installed when the One Identity Manager History Database was installed.

If you are affected by this problem, uninstall the One Identity Manager History Database before updating your One Identity Manager History Service. Run the following command as administrator:

```
sc delete "HDBService"
```

**To update an existing One Identity Manager installation to version 8.0.4**

1. Run the all consistency checks in the Designer in **Database** section.
  - a. Start the Consistency Editor in the Designer using the **Database | Check data consistency** menu item.
  - b. In the **Test options** dialog, click .
  - c. Under the **Database** node, enable all the tests and click **OK**.
  - d. Start the check by selecting the **Consistency check | Run** menu item.  
  
All the database tests must be successful. Correct any errors. Some consistency checks offer repair options for correcting errors.
2. Update the administrative workstation, on which the One Identity Manager database schema update is started.
  - a. Execute the program autorun.exe from the root directory on the One Identity Manager installation medium.
  - b. Change to the **Installation** tab. Select the Edition you have installed.

**NOTE:** To update a One Identity Manager History Database installation, change to the **Other Products** page and select the **One Identity Manager History Database**.

c. Click **Install**.

This starts the installation wizard.

d. Follow the installation instructions.

**IMPORTANT:** Select the directory you used for your previous installation as the installation directory on the **Installation settings** page. Otherwise the components are not updated and a new installation is created in the second directory instead.

3. (From version 7.0.x or version 7.1.x) End the One Identity Manager Service on the server that processes direct database queries.

(From version 8.0.x) End the One Identity Manager Service on the update server.

4. Create a backup of the One Identity Manager database.

5. Check whether the database's compatibility level is set the **130** and change it if necessary.

6. Run the One Identity Manager database schema update.

- Start the Configuration Wizard on the administrative workstation and follow the instructions.

7. (From version 7.0.x or version 7.1.x) Update the One Identity Manager Service on the server that processes direct database queries.

(From version 8.0.x) Update the One Identity Manager Service on the update server.

a. Execute the program autorun.exe from the root directory on the One Identity Manager installation medium.

b. Change to the **Installation** tab. Select the Edition you have installed.

**NOTE:** To update a One Identity Manager History Database installation, change to the **Other Products** page and select the **One Identity Manager History Database**.

c. Click **Install**.

This starts the installation wizard.

d. Follow the installation instructions.

**IMPORTANT:** Select the directory you used for your previous installation as the installation directory on the **Installation settings** page. Otherwise the components are not updated and a new installation is created in the second directory instead.

e. Check the One Identity Manager Service's login data. Revert to the original

settings if the One Identity Manager Service did not initially use the local system account for logging in. Enter the service account to use.

8. Start the One Identity Manager Service on the update server.
9. Update other installations on workstations and servers.

You can use the automatic software update method for updating existing installations.

### **To update synchronization projects to version 8.0.4**

1. If you have set up synchronization projects for connecting cloud applications in the Universal Cloud Interface, update the target system schema in these synchronization projects using the Synchronization Editor.
2. Any required changes to system connectors or the synchronization engine are made available when you update One Identity Manager. These changes must be applied to existing synchronization projects to prevent target system synchronizations that are already set up, from failing. Patches are made available for this.

**NOTE:** Some patches are applied automatically. A process that migrates all existing synchronization project is queued in the Job queue to do this. To execute the process, the One Identity Manager Service must be started on the database server and on all the synchronization servers.

- Check whether the process `DPR_Migrate_She11` has been started successfully. If the patch cannot be applied because the target system could not be reached, for example, you can manually apply it.

For more information, see [Applying patches to synchronization projects](#) on page 53.

### **To update an application server to version 8.0.4**

- After updating the One Identity Manager database's schema, the application server starts the automatic update.
- To start the update manually, open the application's status page in the browser and select **Update immediately** from the current user's menu.

### **To update the Web Portal to version 8.0.4**

**NOTE:** Ensure that the application server is updated before you install the Web Portal. As from version 7.1. and later, the Web Portal requires an application server with a search service installed on it.

- To update the Web Portal automatically, connect to the monitoring site `http://<server>/<application>/monitor` in a browser and start the web application update.
- To manually update the Web Portal, uninstall the existing Web Portal and install the Web Portal again. For more information, see the *One Identity Manager Installation Guide*.

### **To update the Operations Support Web Portal to version 8.0.4**

1. Copy the contents of the folder `Modules\QER\dvd\AddOn\Operations Support Web Portal` to the installation directory for the Operations Support Web Portal, for instance `OperationSupport`.
2. Copy the following file in the folder `bin` into the Web Portal application install directory.
  - `Modules\QER\install\bin\QER.WebRuntime.WebApi.dll`
  - `Modules\QBM\install\bin\QBM.CompositionApi.Web.dll`

### **To update the Manager web application to version 8.0.4**

1. Uninstall the Manager web application
2. Reinstall the Manager web application.
3. The Manager default user requires write access to the Internet Information Services web application installation directory so that Manager web applications can be updated automatically. Check that the correct permissions are allocated.

## **Applying patches to synchronization projects**

**⚠ CAUTION:** Patches do not change customizations in synchronization projects. This means that conflicts may occur if patches are applied to synchronization projects, which have been customized. This may cause loss of data.

#### ***Before you apply a patch***

1. Read the patch description to decide whether it provides the necessary improvements for the synchronization project.
2. Check whether conflicts with customizations could occur.
3. Create a backup of the database so that you can restore the original state if necessary.
4. Deactivate the synchronization project.

**📘 NOTE:** If you update existing synchronization projects, the connection parameters from the default variable set are always used. Ensure that the variables in the default variable set contain valid values.

**📘 NOTE:** If you have set up synchronization projects for connecting cloud application in the Universal Cloud Interface, update the target system schema in these synchronization projects before you apply the patches. Use the Synchronization Editor.

### **To apply patches**

1. Open the synchronization project in the Synchronization Editor.
2. Select the **Edit | Update synchronization project** menu.
3. In **Available patches**, select the patches you want to apply. Multi-select is possible.  
In **Details - Installation summary**, all patches are displayed in order of installation.
4. Click **Apply selected patches**.
5. Enter any user input as prompted.
6. If necessary, use the patch log to check whether customization need to be reworked.
7. If required, rework customizations in the synchronization configuration.
8. Run a consistency check.
9. Simulate the synchronization.
10. Activate the synchronization project.
11. Save the changes.

**NOTE:** A patch does not take effect until the changes associated with it are saved in the database. If consistency check or simulation errors occur that cannot be corrected, you can dismiss the patch changes by reloading the synchronization project without saving the changes.

For more detailed information about updating synchronization projects, see the *One Identity Manager Target System Synchronization Reference Guide*.

See also:

- [Modified synchronization templates](#) on page 25
- [Patches for synchronization projects](#) on page 27

## **Verifying successful installation**

### **To determine if this version is installed**

- Start the Designer or the Manager and select the menu item **Help | Info**.  
The **System information** tab gives you an overview of your system configuration.  
The version number 2017.0011.0004.0400 for all modules and the application version 8.0 2017-11-04-345 indicate that this version is installed.

This patch updates all files that shipped with One Identity Manager 8.0.

# Additional resources

Additional information are available in:

- [One Identity Manager support](#)
- [One Identity Manager online documentation](#)
- [Identity and Access Management community](#)
- [One Identity Manager training portal](#)

## 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. It supports simultaneous operation with multilingual data. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe.

The release is localized in the following languages: German

This version has the following capabilities or constraints: Other languages, designated for the Web UI, are provided in the product One Identity Manager Language Pack.

## About us

One Identity solutions eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access. Our solutions enhance business agility while addressing your IAM challenges with on-premises, cloud and hybrid environments.

## Contacting us

For sales or other inquiries, such as licensing, support, and renewals, visit <https://www.oneidentity.com/company/contact-us.aspx> or call +1-800-306-9329.

## Technical support resources

Technical support is available to One Identity customers with a valid maintenance contract and customers who have trial versions. You can access the Support Portal at <https://support.oneidentity.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 at [www.YouTube.com/OneIdentity](http://www.YouTube.com/OneIdentity)
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product



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Attn: LEGAL Dept  
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**Legend**

-  **WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.**
-  **CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.**
-  **IMPORTANT, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.**