



Dell™ One Identity Quick Connect Sync Engine 5.4.0

Release Notes

August, 2014

These release notes provide information about the Dell™ One Identity Quick Connect Sync Engine release.

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About One Identity Quick Connect Sync Engine 5.4.0

Within the same organization identity information can be stored in many different data systems, such as directories, databases, or formatted dump files. To manage the identity information and keep it in sync in all these data systems, administrators sometimes have to spend a considerable amount of time and effort. On top of that, performing the data synchronization tasks manually is error-prone and can lead to the duplication of information and incompatibility of data formats.

Quick Connect increases the data management efficiency by automating the identity data synchronization operations, such as provision, deprovision, and update. For example, when an employee joins or leaves the organization, the related information in the external data systems managed by Quick Connect is automatically updated, thereby reducing your administrative workload and getting the new user up and running faster.

The use of scripting capabilities provides a flexible way to automate day-to-day administration tasks and integrate the administration of managed data systems with other business processes. By automating regular synchronization tasks, Quick Connect allows administrators to concentrate on strategic issues, such as planning the directory, increasing enterprise security, and supporting business-critical applications.

Quick Connect includes a core module called One Identity Quick Connect Sync Engine and a number of connectors that enable One Identity Quick Connect Sync Engine to access external data systems to read and synchronize the identity information they contain.

Quick Connect allows you to automate the following operations:

- Provision users
- Update identity data
- Deprovision users
- Synchronize passwords

One Identity Quick Connect Sync Engine 5.4.0 is a minor release, with enhanced features and functionality. See [New features](#).

New features

New features in One Identity Quick Connect Sync Engine 5.4.0:

- **Rebranded to Dell.** This product was rebranded as Dell™ One Identity Quick Connect Sync Engine.

See also:

- [Enhancements](#)
- [Resolved issues](#)

Enhancements

The following is a list of enhancements implemented in One Identity Quick Connect Sync Engine 5.4.0.

Table 1. General enhancements

Enhancement	Issue ID
Now Quick Connect Sync Engine writes an event to the Windows Event Log each time a Sync History cleanup operation starts, successfully completes, or fails.	366652

Resolved issues

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

Table 2. Resolved issues

Resolved issue	Issue ID
Synchronization scope configured for a connection may have no effect when the synchronization workflow step using that connection is configured to process delta from last run. As a result, objects outside of the synchronization scope may participate in the step run.	300953
Quick Connect Sync Engine may incorrectly apply connection scope conditions to multivalued object attributes. As a result, the connection scope may be different from what you expect it to be. This issue only shows up if you have configured any of the following conditions: "Is not", "Does not start with", "Does not end with", or "Does not contain".	304066
There is no way to install and use the Quest ActiveRoles Server Connector or the Quest One Identity Manager Connector on a remote computer without installing the Quick Connect Sync Engine on that computer.	304392
A connection handler may not work when it is configured to activate before, after, or instead of password synchronization operation.	315288
A synchronization workflow step run may fail with an error message similar to the following: "Violation of PRIMARY KEY constraint 'PK_connectorSpace_8aa971618f2b441889ef361b18f5cd0c'. Cannot insert duplicate key in object 'dbo.connectorSpace_8aa971618f2b441889ef361b18f5cd0c'. The duplicate key value is (bf799842-96cd-8401-fb32-1051c3569375, sql-Object)".	317485
When using Quick Connect Sync Engine to synchronize user passwords, you may observe the following: Quick Connect Sync Engine sets user passwords to an empty value. This may result in an error or unexpected behavior.	321900
Quick Connect Sync Engine may incorrectly apply connection scope conditions to object attributes whose values are empty. As a result, the connection scope may be different from what you expect it to be. This issue shows up only if you have one of the following connection scope conditions configured: "Is not", "Does not start with", "Does not end with", or "Does not contain".	327382
Quick Connect Administration Console may stop responding after you click the Save button to save modified connection settings.	337115
You may experience all of the following issues in the Quick Connect Administration Console after upgrading Quick Connect Express for Active Directory: <ul style="list-style-type: none">The synchronization scope configured for connections created with the previous version of Quick Connect Express for Active Directory is lost.Changing or removing container selection criteria configured on the Source tab in the properties of a workflow step may have no effect. This issue only affects the Active Directory connections that are used as a source.	362376

Known issues

There are no issues known to exist at the time of release.

System requirements

Before installing One Identity Quick Connect Sync Engine 5.4.0, ensure that your system meets the following minimum hardware and software requirements.

- [One Identity Quick Connect Sync Engine](#)
- [Quick Connect Capture Agent](#)
- [Connector Access Service](#)
- [Data systems supported by built-in connectors](#)
- [Developing custom connectors](#)
- [Upgrade and compatibility](#)

One Identity Quick Connect Sync Engine

Table 3. One Identity Quick Connect Sync Engine

Requirement	Details
Processor	1 GHz or faster, x32 and x64 architecture is supported.
Memory	512 MB of RAM; 1 GB or more recommended.
Hard disk space	250 MB or more of free disk space.
Operating system	<p>You computer must run one of the following operating systems with or without any Service Pack (both x86 and x64 platforms are supported):</p> <ul style="list-style-type: none">• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows Server 2008 R2• Microsoft Windows Server 2008• Microsoft Windows Server 2003 R2• Microsoft Windows Server 2003
Microsoft SQL Server	<p>One of the following versions is required (32- or 64-bit edition, with or without any Service Pack):</p> <ul style="list-style-type: none">• Microsoft SQL Server 2014 (Enterprise, Business Intelligence, Standard, Web, or Express Edition)• Microsoft SQL Server 2012 (Enterprise, Business Intelligence, Standard, Web, or Express Edition)• Microsoft SQL Server 2008 R2 (Datacenter, Enterprise, Standard, Workgroup, Web, or Express Edition)• Microsoft SQL Server 2008 (Enterprise, Standard, Workgroup, or Express Edition)• Microsoft SQL Server 2005 (Enterprise, Standard, Workgroup, or Express Edition) <p>NOTE: Quick Connect Sync Engine supports failover clustering for the above-listed Microsoft SQL Server versions.</p>
Microsoft .NET Framework	Microsoft .NET Framework 4.0
Windows PowerShell	Windows PowerShell 4.0, 3.0, 2.0, or 1.0
Quick Connect Capture Agent	<p>To synchronize passwords from an Active Directory domain to some other connected data system, you must install Quick Connect Capture Agent on all domain controllers in the source Active Directory domain.</p> <p>For more information, see the <i>One Identity Quick Connect Sync Engine Administrator Guide</i>.</p>

Table 3. One Identity Quick Connect Sync Engine

Requirement	Details
Quest ActiveRoles Server ADSI Provider	<p>If you want to synchronize identities between Quest ActiveRoles Server and other connected systems, make sure that the Quick Connect Sync Engine computer has one of the following ActiveRoles Server ADSI Provider versions installed:</p> <ul style="list-style-type: none"> • 6.9 • 6.8 • 6.7
Quest One Identity Manager DLLs	<p>To connect to Quest One Identity Manager, Quick Connect Sync Engine requires some Dynamic Link Library (DLL) files supplied with Identity Manager. Before creating a connection to Identity Manager make sure that Quick Connect Sync Engine can access these DLL files.</p> <p>For more information, see the <i>One Identity Quick Connect Sync Engine Administrator Guide</i>.</p>
Federal Information Processing Standard (FIPS) algorithms	<p>Quick Connect Sync Engine operates with support for Federal Information Processing Standard (FIPS) algorithms if the Windows operating system is configured to use the FIPS algorithms for system cryptography.</p>

Quick Connect Capture Agent

Table 4. Quick Connect Capture Agent

Requirement	Details
Microsoft .NET Framework	Microsoft .NET Framework 4.0
Additional Requirements	<p>To synchronize passwords from an Active Directory domain to some other connected data system, you must install the Quick Connect Capture Agent on all domain controllers in the source Active Directory domain.</p> <p>The domain controllers on which you install Quick Connect Capture Agent must run one of the following operating systems with or without any Service Pack (both x86 and x64 platforms are supported):</p> <ul style="list-style-type: none"> • Microsoft Windows Server 2012 R2 • Microsoft Windows Server 2012 • Microsoft Windows Server 2008 R2 • Microsoft Windows Server 2008 • Microsoft Windows Server 2003 R2 • Microsoft Windows Server 2003 <p>For more information, see the <i>One Identity Quick Connect Sync Engine Administrator Guide</i>.</p>

Connector Access Service

Table 5. Connector Access Service

Requirement	Details
Microsoft .NET Framework	Microsoft .NET Framework 4.0
Operating System	<p>The computer on which you plan to install Connector Access Service must run one of the following operating systems with or without any Service Pack (both x86 and x64 platforms are supported):</p> <ul style="list-style-type: none">• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows Server 2008 R2• Microsoft Windows Server 2008• Microsoft Windows Server 2003 R2• Microsoft Windows Server 2003
Quest ActiveRoles Server ADSI Provider	<p>Only required if you plan to use the ActiveRoles Server Connector. Make sure the computer has one of the following ActiveRoles Server ADSI Provider versions installed:</p> <ul style="list-style-type: none">• 6.9• 6.8• 6.7
Quest One Identity Manager DLLs	<p>Only required if you plan to use the Quest One Identity Manager Connector.</p> <p>Make sure the required Dynamic Link Library (DLL) files are available. For details, see the <i>One Identity Quick Connect Sync Engine Administrator Guide</i>.</p>

Data systems supported by built-in connectors

Table 6. Data systems supported by built-in connectors

Requirement	Details
Quest ActiveRoles Server Connector	Quest ActiveRoles Server 6.9, 6.8, or 6.7
Quest One Identity Manager Connector	Quest One Identity Manager 6.1 or 6.0

Developing custom connectors

Table 7. Developing custom connectors

Requirement	Details
Operating system	You computer must run one of the following operating systems with or without any Service Pack (both x86 and x64 platforms are supported): <ul style="list-style-type: none">• Microsoft Windows Server 2012 R2• Microsoft Windows Server 2012• Microsoft Windows Server 2008 R2• Microsoft Windows Server 2008• Microsoft Windows Server 2003 R2• Microsoft Windows Server 2003
Microsoft Visual Studio	One of the following versions with or without any Service Pack: <ul style="list-style-type: none">• Microsoft Visual Studio 2012• Microsoft Visual Studio 2010
Microsoft .NET Framework	Microsoft .NET Framework 4.0
Quick Connect Sync Engine	Quick Connect Sync Engine 5.4

Upgrade and compatibility

One Identity Quick Connect Sync Engine version 5.4.0 is upgradeable from version 5.3.0 or later. For instructions, see the *One Identity Quick Connect Sync Engine Administrator Guide*.

Product licensing

This product does not require licensing.

Getting started with One Identity Quick Connect Sync Engine 5.4.0

For upgrade and installation instructions, see the *One Identity Quick Connect Sync Engine Administrator Guide* supplied with this release.

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, Far-East Asia, Japan.

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The site enables you to:

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- Obtain product notifications
- Download software. For trial software, go to [Trial Downloads](#).
- View how-to videos
- Engage in community discussions
- Chat with a support engineer

Third-party contributions

This product contains the third-party components listed below. For third-party license information, go to <http://software.dell.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <http://opensource.dell.com>.

Table 8. List of third-party contributions

Component	License or acknowledgement
NLog 2.0	Portions copyright 2011 Jaroslaw Kowalski

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Legend

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