Quest® On Demand Migration – Active Directory 20.12.14

Release Notes

Feb 13, 2024

This release of Quest® On Demand Migration – Active Directory includes the following solutions:

- **Directory Sync**

  Directory Sync can set up and maintain an Active Directory sync, an Microsoft Entra ID sync, or even a sync between Active Directory and Microsoft Entra ID. Users in merging organizations can find each other in a unified Global Address List (GAL).

- **Active Directory**

  Active Directory enables you to migrate Active Directory to accelerate your enterprise M&A and modernization initiatives. Quest® On Demand Migration – Active Directory is a solution that integrates and migrates Active Directory, Microsoft Entra ID, and hybrid directory environments without requiring trusts, SQL, network connectivity, or installing servers.

- **Domain Move**

  Domain Move provides the "Domain Cutover" or move functionality. This powerful feature guides the migration operator through the entire domain move process and automates many of the steps.

- **Domain Rewrite**

  On Demand Migration provides the "Domain Rewrite" or Email Rewrite (ERS) functionality. This powerful feature allow end users to communicate from a common email domain from Day One—on both inbound and outbound mail—so you present as a unified, cohesive brand. And, you get all of this without downtime — so you won't have critical gaps in communication.

View the online Quest® On Demand Migration – Active Directory User Guide for more information:
https://support.quest.com/technical-documents/on-demand-migration/current/active-directory-user-guide

These release notes provide information about the Quest® On Demand Migration – Active Directory release.

Topics:

Enhancements

The following is a list of enhancements implemented in this deployment.

General enhancements

Enhancement	Issue ID
Options to allow skipping mail forwarding has been added.	44744
Cmdlets to add/remove CDS environment filter groups have been added to the PublicAPI.	45484
The "Source Device is EntraID Joined" option has been added to allow the Source AD Credential to be skipped.	46314
A status reset for Fileshare ReACL has been added.	46480
Updated script to bypass installing provisioning package with the -LogFolderPath parameter unless the $PSDebugEnabled is on.	46582

Resolved issues

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

General resolved issues

Resolved Issue	Issue ID
Stage Data fails to find objects in OUs with LIKE expression wild cards.	46361
A NAS Share with FQDN as the UNC Path cannot be added.	46428
The back button is not disabled when trying to install the Directory Sync agent.	46556
UPNs of cloud-only target users are not updated when the "Set Target UPN" domain move option is enabled.	46662
Cannot access to the correct org from the landing page.	46847
Support for multiple languages has been removed.	47111
On the Credentials page, the domain name is invalid if it contains an underscore (_)character.	47192
The Login screen loops when all licenses have expired.	47279
ERS fails to validate DKIM signatures with "Collection was modified; enumeration operation may not execute" error.	47310

Known issues

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

Directory Sync known issues

Known Issue	Issue ID
An attempt to install an older version of the agent software will fail if a newer version has already been successfully installed. If, for some reason, the older version is needed, first uninstall the newer version, then remove all registry references to the agent.	8060
The agent installer cannot accept a password with a first character of !.	8122
When discovery discovers an environment, it will read in the OU structure of all domains within the forest. The UI will show all domains and you can select them for use in all workflows. However, if a DC for that domain is not included, or the agent account does not have read access to the objects, they will not be read into the database.	8077
Cloud Only Security Groups are not read in when reading a cloud endpoint.	22453
User thumbnail photos do not sync to cloud environments.	8069
The PowerShell User Group should be added to the Tenant Group Filter as the Group Owner. A security group should not be used.	8070
An account with access to all domains within the forest is needed if you want to sync all domains within a single forest with a single agent. Using an enterprise admin account is the most efficient method for doing this.	8073
Mapping functions do not work with multivalued attributes. For example, (results (proxyaddresses,"x500:") will not return a true even if an X500 address is present.	8075
When a workflow for a cloud environment has been run once, but then has been idle for longer than 30 days, an error will be encountered when the job starts, and the job will fail and loop repeatedly until the retry count has been reached.	8079
In the German and Chinese Office365 tenants, Directory Sync will always do full synchronizations because the delta sync functionality is not available in these local tenants.	8095
An "Object with ID xyz was not found" error may occur when reading recently created Azure guest users due to the longer length of time for guest users to propagate.	8101
Remote Mailboxes from the source are incorrectly created in the target as Users instead of MailUsers.	8102
Delta syncs are limited to 30 days. To avoid full synchronization, a read in should be performed for all cloud environments every 29 days or less.	8108
Password sync does not support AES hashes.	21796
A template configured to sync a binary attribute to a non-binary attribute will not sync correctly. For example, if syncing Binary (ThumbnailPhoto) to String(ExtensionAttribute), the target attribute will be synced as "System.Byte[]" instead of the expected binary value converted into a string.	15683
A security group cannot be used as a filter group.	8057
When using filter groups for Cloud environments you need to ensure that a group containing any newly created objects is present in the environment filter. This can be accomplished by having a source and target filter group with the same name so they will match and synchronize between the environments. If these objects are not read in after creation, they will not have any additional	8076

Known Issue	Issue ID
updates synchronized and they will not be matched.	
When synchronizing local AD groups to Office 365 as Office 365 groups (Unified Groups) any contact in the source group will record an error in the logs and the contact will not appear in the target group.	8081
Office 365 Group settings are not copied to the target Office 365 Group.	8104
Likes for Office 365 Group conversations are not migrated.	8122
Custom schema attributes can be added to template mappings but are not visible in the drop-down selection list.	8072
All domains within an Active Directory Forest are visible within an environment when adding a single domain even though the agent account credentials may not have access to all domains.	8074
The DS-Core-Propagation-Data attribute is not synchronized by Directory Sync. The DS-Core-Propagation-Data attribute is a system attribute which is used by the Active Directory service and cannot and should not be modified by anything other than the directory itself.	34400
The mapping does not update the mailnickname attribute of Non mail-enabled security groups.	34481
Attribute filters cannot be applied to Security Groups.	14933
Cloud Environments that use Object Filter Exclusion options may see Unlicensed or Disabled Accounts read in when configured to Exclude Unlicensed or Disabled Accounts. This is because the AccountDisabled and SKUAssigned properties in Exchange Online Management are not always updated to reflect the true state of the object in Office365.	35957, 36574
Updates of non mail-enabled Security groups in Cloud to Local syncs fail due to an empty samAccountName value.	37254
Custom schema attributes can be added to template mappings, but are not visible in the drop-down selection list.	52326
Directory Sync will attempt to add Group Object as Owner to Teams/M365 and Distribution Group when the Group object shares similar name as the Group Owner. For M365 Groups and Teams, an error will be logged for these groups as they cannot be added as an owner.	41463
Password sync will fail for objects with non-English characters in the sAMAccountName.	41570
A directory operation error occurs when running a cloud to local workflow.	42444
The RC4 encryption (Rivest Cipher 4 or RC4-HMAC) is an element of Microsoft Kerberos authentication that Quest migration products require to sync Active Directory passwords between Source and Target environments. Disabling the use of the RC4 protocol enabled makes password syncing between environments impossible. Beginning on November 8, 2022 Microsoft recommended an out of band (OOB) patch be employed to set AES as the default encryption type. The enabling and disabling use of the RC4 encryption protocol has potential impact beyond the function of password syncing of Quest migration tooling and should be considered carefully.	N/A
Comment fields that exceed the maximum length of 4000 characters will cause an error.	44556
When mail contacts are deleted from Exchange Online, the deletion is not reflected in the product. Workflows with 'Delete Objects' steps will not process contact deletes.	45392

Active Directory known issues

Known Issue	Issue ID
The Server 2016 Rollback action may break a user's profile if the user is not a member of the BUILTIN\Administrators group on the target machine.	29544
The Cleanup job should not be used with bi-directional match/sync configurations as it may incorrectly remove target ACLs.	32588
On a Windows 10 or Windows 11 device, when performing the Entra Cutover action, the migrated user profiles may lose some of the installed Windows Store application or other Provisioned AppX Packages. These packages will need to be reinstalled by the user after they logon to their target profile.	36079
An Microsoft Entra ID device cannot be ReACLed if there is no matching group in mapping file.	36124
For Entra Device Cutover, Windows Hello for Business Setup cannot be completed when Source Account is a Direct Member of the Device BUILTIN\Administrators Group.	36627
The ODMAD Device Agent has not been designed to take special requirements of application servers, such as Exchange, SharePoint, Remote Desktop Services, IIS, etc. into consideration. Applications should be analyzed to determine if domain migration will be supported by each individual application and what remediation(s) may be required. Recreating/redeploying Application Servers in the target environment is recommended for best results.	43466
An group with the name of two or less characters cannot be assigned to a migration wave.	45514
Certificates are not migrated with Device Cutover.	46002
Rollback is not supported for Cloud to On-Prem and Cloud to Cloud Device Migration.	46422

Domain Move known issues

Known Issue	Issue ID
Domain Move can not move the domain if it is being used for Active Directory Federation Service (ADFS) between on-prem Active Directory and Microsoft Entra ID.	35529

Domain Rewrite known issues

Known Issue	Issue ID
Signed and encrypted messages will not be rewritten by the email rewrite service (ERS).	8004
When ERS is disabled, external email addresses of MEU's are not removed.	40937
Cloud Rewrite workflows will not run when prepare jobs are queued for both hybrid and cloud-only target objects.	44319
Forwarding from mailbox cannot be removed if ERS was enabled using skip setting up forwarding.	47362

Release History

The following lists the new features and resolved issues by deployment.

20.12.13.6

Enhancements

Enhancement	Issue ID
The ability to define page size when connecting to Exchange Online has been added.	46886

20.12.13.5

Enhancements

Enhancement	Issue ID
PowerBI-related entries in App.Config have been removed.	45914
The "Timeout for User Credential Prompt" option has been added to the Credential Cache Profile.	46303
A warning to prevent the Entra ID Device cutover job if the Entra ID Cutover status is already set to completed has been added.	46309
The ability to use the Downloads page to generate the Active Directory and Exchange processing wizard mapping files has been added.	46460

Resolved issues

Resolved Issue	Issue ID
The mapping file does not show objects if the source is cloud and the target is on-prem.	46422
Offboarding delete request causes an error if the record no longer exists.	46449

20.12.13.4

Resolved issues

Resolved Issue	Issue ID
EntraID Device Cutover Status can not be filtered. (46419)	46419

20.12.13.3

Resolved issues

Resolved Issue	Issue ID
The Domain Rewrite DKIM rule does not match to the value stamped in the header.	45532
Encountering error when running an ERS job unable to find the group.	45610

Resolved Issue	Issue ID
The EXO PowerShell Session refresh setting should default to true for new clients.	45704
Domain Rewrite does not stamp the DKIM align header for inbound email from some email providers.	45950
Offboarding does not remove all tenant-specific indexes.	45957
During Offboarding, the project's endpoint did not get removed properly.	46168

20.12.13.2

Enhancements

Enhancement	Issue ID
The msExchMailboxGUID and msExchArchiveGUID attributes have been removed from the default template.	45542
The Azure AD Cutover Status has been added to the Device Export.	45323

Resolved issues

Resolved Issue	Issue ID
The PwCopy folder is not created during installation.	45965
The UI displays bidirectional arrows in the Match stage instead of unidirectional arrows.	45418

20.12.13.1

Resolved issues

Resolved Issue	Issue ID
Updating workflow environments may leave orphaned script steps.	44827
ProjectUpdate for Discovery process when processing large groups has been optimized.	44959
The agent installer UI changes for Password Copy has been updated.	45409
Updated license SKU expiration information not captured during offboarding.	45026

20.12.13

New Features

- The ability to sync passwords using a password filter has been added. In addition, the new Modern password sync solution requires the Active Directory Administrator to specify a pre-shared key (Passphrase) during initial configuration which will be used to encrypt the hashes in-transit.

General enhancements

Enhancement	Issue ID
The ability to register devices without performing the matching step has been added.	43761
An option to allow the admin to force remove the domain when the initial domain removal step failed has been added.	43768
The ability to update the target UPN during domain move has been added.	43771

General resolved issues

Resolved Issue	Issue ID
An error reading a device during retrieval of an object that does not exist.	43048
The Domain Move move job failed to add as primary when the address exists in the target as secondary.	43941
The agent installer allows user to enter an empty passphrase.	44748
Active Directory discovery is generating a system runtime error when it encounters OUs with '/' symbol.	44930
The organization hard delete does not work when the organization is partially licensed.	44966
Directory Sync agent cannot access Keys container if service account is not SYSTEM or a member of Administrators.	45044
The User Interface displays the escape character ('\') for any of the special characters.	45070
The Next button in the Directory Sync agent installer is enabled without entering registration key when manually upgrading.	45098

Incident response management

Quest Operations and Quest Support have procedures in place to monitor the health of the system and ensure any degradation of the service is promptly identified and resolved. On Demand relies on Azure and AWS infrastructure and as such, is subject to the possible disruption of these services. You can view the following status pages:

- Quest On Demand: https://status.quest-on-demand.com/

- Azure Services: https://azure.microsoft.com/en-ca/status/

- AWS Services: https://status.aws.amazon.com/

System requirements

The following web browsers are supported with On Demand:

- Chrome or Firefox is recommended for the best cloud-based platform experience.

Product licensing

Quest On Demand is a Software as a Service (SaaS) application where application software is hosted in the cloud and made available to users through quest-on-demand.com.

Use of this software is governed by the Software Transaction Agreement found at www.quest.com/legal/sta.aspx and the Data Processing Addendum at www.quest.com/legal/dpa.aspx. This software does not require an activation or license key to operate.

You can sign in to Quest On Demand as a Guest user and sample the solutions the product can offer. As a Guest user, you can add your Microsoft Entra tenant and look for problems that can be solved by Quest On Demand. To sign in as a Guest user, go to quest-on-demand.com and click **Continue as Guest**.

Trial licenses are available. To enable a trial license, you must use a Quest account to sign up for Quest On Demand. Use one of the following procedures:

- To enable a trial license with an existing Quest account
- To create a Quest account and enable a trial license

To enable a trial license with an existing Quest account

1. Go to https://www.quest.com/on-demand/
2. Scroll down to the module you are interested in and click **Try Online**.
3. On the Free Trial of <Module Name> page, click **Sign In for your Free Trial**.
4. Fill in your Quest account credentials and click **Sign In**.The Welcome to Quest On Demand page opens.
5. In the **Add organization name** field, enter a name for your Quest On Demand organization.
6. In the **Select Region** field, select the region where you want your data to reside.
7. Click **Create New Organization**.

You can now add your Microsoft Entra tenant and begin using the module. See the Global Settings User Guide for more information on working with Quest On Demand.

To create a Quest account and enable a trial license

1. Go to https://www.quest.com/on-demand/
2. Scroll down to the module you are interested in and click **Try Online**.
3. To try online, you must create a Quest account and then sign up for Quest On Demand.
4. Create a Quest account.
   a. Click **Create a Trial Account**.
   b. Fill in the fields on the Create Account page. Note that the email and password entered here will be the credentials you use to sign in to Quest On Demand.
   c. Click **Create Account**.The "We've sent you an email" page opens.

5. Sign in to Quest On Demand.

   a. Go to your email account and open the email from support.quest.com. Click on the verification link. The Welcome to Quest On Demand page opens.

   b. In the **Add organization** name field, enter a name for your Quest On Demand organization.

   c. In the **Select Region** field, select the region where you want your data to reside.

   d. Click **Create New Organization**.

You can now add your Microsoft Entra tenant and begin using the module. See the Global Settings User Guide for more information on working with Quest On Demand.

More resources

Additional information is available from the following:

- Online product documentation (Enter On Demand Active Directory in the Product search field.)
- Quest On Demand community on-demand

About us

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

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at https://support.quest.com.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

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