

# Quest® Recovery for Azure Active Directory

## Release Notes

April, 2018

These release notes provide information about the Quest® Recovery for Azure Active Directory release.

Topics:

- [Release History](#)
- [Known Issues](#)
- [Incident Response Management](#)
- [System Requirements](#)
- [Product Licensing](#)
- [More resources](#)
- [Third-Party Contributions](#)

## About Recovery for Azure Active Directory

Quest Recovery for Azure Active Directory allows you to backup and restore Microsoft Azure Active Directory and Office 365 users and groups with their properties. These objects can be selected in a backup and then restored to Azure Active Directory or Office 365 without affecting other objects or attributes. Using the granular restore, objects that were inadvertently deleted or modified can be recovered in a few minutes.

**Key features of Recovery for Azure Active Directory:**

- **Back up Azure Active Directory and Office 365 users, groups and contacts**  
Recovery for Azure Active Directory automatically backs up your directory on a regular basis.

- **Granular, selective restore of Azure Active Directory and Office 365 users and groups**  
Users and groups can be selected in a backup and then restored to Azure Active Directory or Office 365 without affecting other objects or attributes.
- **Backup and restore Azure Active Directory B2C users and groups**  
Recovery for Azure Active Directory supports Azure Active Directory B2C tenants.
- **Restore users or Office 365 groups from Recycle Bin**  
Restore users and Office 365 groups that were inadvertently moved to Recycle Bin.
- **Cloud solution: backup snapshots are stored in the cloud.**  
Recovery for Azure Active Directory does not require to install or maintain any additional software.
- **Comparison reporting**  
This feature lets you view differences between the selected backup and live Azure Active Directory or Office 365 and revert unwanted changes.
- **Integration with Recovery Manager for Active Directory**  
Recovery for Azure Active Directory can be integrated with Recovery Manager for Active Directory 9.0 or higher to restore on-premises objects that were synchronized with cloud by Azure AD Connect.

# Release History

## Release 1.2.48 (2018/04/10)

### Resolved Issues

Issue ID	Description
RMAZ-598	Restore may hang when sending a request to Microsoft Graph.
RMAZ-599	Restore failed if there is no connection to Quest Migration and Management Platform.

## Release 1.2.47 (2018/04/03)

### Enhancements

Enhancement ID	Description
RMAZ-550	Now Recovery Manager for Azure AD checks that all enabled backups are actually running. If there are no backups within the last 24 hours, the customer will receive the event.
RMAZ-546, RMAZ-574	AWS Systems Manager Parameter Store is no longer used to store RMAZ configuration data. Now the data is stored in Kubernetes cluster in Azure Container Services (ACS).

### Resolved Issues

Issue ID	Description
RMAZ-588	The backup operation may hang when sending a request to Delta API.
RMAZ-579	RMAZ did not send any notifications about failed backups. Now you can find the event in the event log.

# Previous releases

## Release 1.2.46 (2018/03/21)

### Enhancements

Enhancement ID	Description
RMAZ-573	Encryption at rest for 100% of customer backup data including unpacked backups and the Difference report objects.
RMAZ-573	Better scalability, reliability and maintainability given by Azure Container Services (compare to single machine Swarm configuration).
RMAZ-573	Quotas and limits guarantee CPU and Memory resources for each customer and prevent mutual influence.
RMAZ-531	Each Azure AD scheduled snapshot is started at exact 0:00 of every hour - so we have exactly 24 snapshots per day and clear time for each (old implementation had always less than 24 snapshots per day and it depended on backup duration).
RMAZ-489	Geo redundant Azure storage for customer backups - data is durable even in the case of a complete regional outage or a disaster ( <a href="https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy#geo-redundant-storage">https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy#geo-redundant-storage</a> ).
RMAZ-447	Attributes that can be restored / not restored by Recovery for Azure Active Directory are listed in the "How does Recovery for Azure Active Directory handle object attributes?" section of User Guide.
RMAZ-530	Backups and backup statistics for On Demand Widget is moved to the Azure Container Service cluster.
RMAZ-490	Support of customer Azure Blob Storage account for backups.

### Resolved Issues

Issue ID	Description
RMAZ-477	Local users are matched before the restore operation to avoid duplications after restoring hard deleted users.
RMAZ-478	Social users are matched before the restore operation to avoid duplications after restoring hard deleted users.

## Release 1.1.42 (2017/12/26)

### Enhancements

Enhancement ID	Description
RMAZ-421	<ul style="list-style-type: none"><li>Added the User Type facet on the Objects view. Possible user types:<ul style="list-style-type: none"><li>Work or School</li><li>Hybrid</li><li>B2B Guest</li><li>B2C Local</li><li>B2C Social</li></ul></li></ul>

- Added a new column 'User Name' on the Objects view. This column contain additional information about users:
  - *mail* attribute for Guest users
  - first element in *otherMails* attribute for social users
  - first element in *signInNames* for local users
  - *userPrincipalName* for other users
  - empty value for non-users

#### Resolved Issues

Issue ID	Description
RMAZ-425	The Events view showed inconsistent information.
RMAZ-454	Increased stability of backups in case of errors from external services.
RMAZ-465	Some data may be unavailable in the Differences view due to the errors with a backup.
RMAZ-470	The backup task that was created in the root scope is not shown in the tenant scope.
RMAZ-473	Tasks might hang in the "Starting" after the production upgrade due to non-provisioned resources.

#### Release 1.1.41 (2018/03/01)

##### Enhancements

Enhancement ID	Description
RMAZ-562	Recovery for Azure Active Directory is synchronized with the latest version of Quest Migration and Management Platform.

#### Release 1.1.40 (2017/12/15)

##### Enhancements

Enhancement ID	Description
RMAZ-418	Azure Active Directory B2C: Now permanently deleted users are distinguished from soft deleted (moved to Recycle Bin) users in the Differences view.

##### Resolved Issues

Issue ID	Description
RMAZ-450	Azure Active Directory B2C: Now the application correctly processes hard deleted social accounts.
RMAZ-453	Azure Active Directory B2C: Fixes to the "restore of social accounts" feature: Now the 'userIdentities' attribute and other multi-valued attributes are restored.
RMAZ-428	Fixes to the unpack operation.
RMAZ-456	Now more attempts are made to read the backup data.

#### Release 1.1.38 (2017/12/12)

##### Enhancements

Enhancement ID	Description
RMAZ-469	Now the 'details panel' shows different content depending on the type of task. <ul style="list-style-type: none"> <li>• For the Backup task, the panel does not show 'creation' and 'last modification' time.</li> </ul>

- For the Diff restore task, if you click on the task status, the Differences view will be opened.

### Release 1.1.37 (2017/12/07)

#### Enhancements

Enhancement ID	Description
RMAZ-438	Azure Active Directory B2C: Now the progress bar shows the actual backup progress.

### Release 1.1.36 (2017/11/28)

#### Enhancements

Enhancement ID	Description
RMAZ-424, RMAZ-436	Azure Active Directory B2C: The functionality of the Differences view is available for Azure AD B2C tenants.
RMAZ-433	Azure Active Directory B2C: Support for backup and restore of Azure AD B2C local accounts.
RMAZ-439	Now the backup task contains information about the backed-up tenant.

### Release 1.1.35 (2017/11/27)

#### Enhancements

Support for backup and restore of Azure Active Directory B2C tenants - PREVIEW.

#### Limitations:

- Difference view is not implemented yet
- Restore of hard deleted local accounts and social accounts is not implemented yet.

#### Resolved Issues

Issue ID	Description
RMAZ- 441	Azure Active Directory B2C: A customer gets the error message and an email notification if the backup was not created.

### Release 1.1.34 (2017/11/27)

#### Resolved Issues

Issue ID	Description
RMAZ- 407	Shows the 'Packed' / 'Unpacked' backup status on the <b>Backups</b> view.

### Release 1.1.33 (2017/11/23)

#### Enhancements

Enhancement ID	Description
RMAZ-241	Added the error event that indicates that a backup was not created for the tenant.
RMAZ-363	Added new facets for the Objects view: 'Tenant', 'Backup', 'Type', 'User type' and 'AAD Connect' status.
RMAZ-390	Azure Active Directory B2C: Now Recovery for Azure AD can backup all types of groups and group membership for Azure AD B2C.
RMAZ-391	Azure Active Directory B2C: Support for backup of Azure AD B2C users.
RMAZ-415	Azure Active Directory B2C: Support for backup statistics for Azure AD B2C

(number of users, groups, etc).  
RMAZ-416 Azure Active Directory B2C: Backup and restore of the Manager attribute for Azure AD B2C.

**Resolved Issues**

<b>Issue ID</b>	<b>Description</b>
RMAZ-427	Now the Refresh task on the Differences screen works correctly if 'jobtitle' was changed.

**Release 1.1.32 (2017/11/22)**

**Enhancements**

<b>Enhancement ID</b>	<b>Description</b>
RMAZ-408	Added the <b>Create backup</b> button on the <b>Dashboard</b> view.

**Resolved Issues**

<b>Issue ID</b>	<b>Description</b>
RMAZ-409	Now the Refresh task on the Differences view fails if some data cannot be uploaded to Migration and Management Platform.

**Release 1.1.31 (2017/10/27)**

**Enhancements**

<b>Enhancement ID</b>	<b>Description</b>
RMAZ-381	Now customers are notified about failed backups by email.

**Resolved Issues**

<b>Issue ID</b>	<b>Description</b>
RMAZ-380	Hybrid restore may fail when there are too many per-object errors.

**Release 1.1.30 (2017/10/26)**

**Enhancements**

<b>Enhancement ID</b>	<b>Description</b>
RMAZ-366	The new Backups view is introduced in the user interface. This view shows a list of backups that were created for the tenant.
RMAZ-370	Now Ireland WCF Relay for EU region is used instead of Amsterdam WCF Relay.
RMAZ-194	The Tenant column is added to the grid on the Differences view.

**Release 1.1.29 (2017/10/25)**

**Enhancements**

<b>Enhancement ID</b>	<b>Description</b>
RMAZ-82, RMAZ-83	Security headers have been updated.

**Resolved Issues**

<b>Issue ID</b>	<b>Description</b>
RMAZ-369	Stability improvement for hybrid restore: a large number of objects (>400) can be restored.
RMAZ-342	Now Recovery for Azure AD stops the restore operations if on-premises restore has been failed.

## Release 1.1.28 (2017/10/18)

### Enhancements

Enhancement ID	Description
RMAZ-371	Version of Recovery Manager Portal is shown in the hybrid restore events.
RMAZ-376	Now you can acknowledge (hide) events which are not actual anymore. If you use the <b>Acknowledge</b> option on the <b>Events</b> view, the status of the selected events is changed from 'Current' to 'Obsolete'. To view the list of obsolete events, click <b>Obsolete</b> on the left side of the <b>Events</b> screen.

### Resolved Issues

Issue ID	Description
RMAZ-362	Recovery for Azure Active Directory tried to apply wrong set of attributes to the cloud after restoring a large number of on-premises objects. Now this issue is fixed.
RMAZ-375	Now Recovery for Azure Active Directory can restore a large number (more than 400 objects) of cloud objects with no errors.

## Release 1.1.27 (2017/10/16)

### Enhancements

Enhancement ID	Description
RMAZ-78	Recovery for Azure Active Directory restores attributes of on-premises groups.
RMAZ-290	Now restore of multiple objects works faster.

## Release 1.1.26 (2017/10/12)

### Enhancements

Enhancement ID	Description
RMAZ-300	The current status of the Refresh task is shown on the Differences view.
RMAZ-321	From this release, Recovery for Azure Active Directory can restore directReports attributes.

### Resolved Issues

Issue ID	Description
RMAZ-181	Now attribute lists are separated for different tenants.
RMAZ-261	From this release, object attributes from different backups can be restored from the Differences view.
RMAZ-135	Recovery for Azure Active Directory can restore hybrid objects which are synchronized by Azure AD Connect.
RMAZ-330	Restore of group membership works correctly in hybrid configuration.

## Release 1.0.25 (2017/10/04)

- Minor fix for icons
- Added link to the online documentation in the Create hybrid connection dialog

## Release 1.0.24 (2017/10/04)

- Hybrid restore fixes and improvements

**Release 1.0.23 (2017/09/20)**

- Fixes for jobTitle, companyName attributes in hybrid restore
- Restore of memberOf attribute from the Objects view in hybrid restore

**Release 1.0.22 (2017/09/14)**

- The beta version of the RMAD hybrid restore feature has been deployed
- New version of Quest Migration and Management Platform (QMMP) has been deployed

**Release 1.0.21 (2017/08/31)**

- Restore of on-premises groups and its attributes (RMAD hybrid restore).
- Recovery for Azure AD now shows events related to hybrid restore.
- Changes to on-premises objects are synchronized automatically by Azure AD Connect after the restore operation.
- On-premises attributes mapping is improved.

**Release 1.0.20 (2017/08/18)**

- Restore of on-premises deleted users from the Objects view (RMAD hybrid restore).
- Manager ID attribute can be restored.
- Automated Azure Relay provision for customer.

**Release 1.0.18 (2017/08/11)**

- Hybrid restore from the Objects view.

**Release 1.0.16 (2017/08/01)**

- Fix: No information about what backup has been unpacked.

**Release 1.0.15 (2017/07/28)**

- Personally identifiable information (PII) was removed from logs.

**Release 1.0.13 (2017/07/05)**

- Fixes related to data retention.
- Improved stability for network errors.

**Release 1.0.12 (2017/06/30)**

- Shows the warning message if the Admin Consent is not granted.
- Other fixes related to Admin Consent.
- Support for the Ireland data center.

**Release 1.0.11 (2017/06/19)**

- Fixes related to the public API.



### **Release 1.0.10 (2017/06/07)**

- Improved web application security.

### **Release 1.0.9 (2017/06/01)**

- Fixes related to unpacking of large backups.

### **Release 1.0.8 (2017/05/30)**

- Now the unpacking operation works faster: 20 minutes for 500 K backup

### **Release 1.0.7 (2017/05/30)**

- Fixes related to the New Object count in the Comparison report.

### **Release 1.0.6 (2017/05/26)**

- Lambda constants were changed to work with large backups.

### **Release 1.0.5 (2017/05/24)**

- New timeouts related to task status are set to not report the Failed status in case of healthy backup.
- Backup tracking interval was changed from 3 to 24 hours.

### **Release 1.0.4 (2017/05/04)**

- Added additional tests for the Comparison report and restore process.

### **Release 1.0.3 (2017/05/02)**

- Old backups that were created earlier than 3 or 4 days ago are unpacked faster. Now we use our own backup comparison instead of Azure AD delta.

### **Release 1.0.1 (2017/04/20)**

- Added the Comparison Report feature that let you view differences between the selected backup and Live Azure Active Directory.
- Large backups (200-400K objects) can be unpacked and restored faster.
- Recovery for Azure Active Directory restores Office 365 license attributes.
- Recovery for Azure Active Directory restores deleted Office 365 groups from Recycle Bin.
- Objects can be restored from the Comparison report.
- Office 365 license attributes can be restored from the Comparison report.
- Group links can be restored from the Comparison report.
- Hide added and deleted objects from the Comparison report.
- Restore operations can be performed in Objects and Comparison report in parallel.

### **Release 1.0 (2017/03/01)**

- New public URL <https://quest-on-demand.com> and integration with the Quest On Demand products family, added also for the Backup Stats widget.

### **Release 0.0.13 (2016/11/28)**

- Users that are deleted from Recycle Bin can be restored including group membership and attributes.
- A spinning wheel is displayed during login and initialization operations (10-20 sec) when a user comes to the Recovery for Azure Active Directory main page.
- Added PROTO Comparizon Report that shows difference between backup and live Azure Active Directory. The feature is available by request.
- Support for the userPrincipalName attribute recovery (mail and proxyAddresses attributes will also be updated by Azure Active Directory automatically).
- Recovery for Azure Active Directory shows attributes and values which were applied during the restore operation in the restore event - for better troubleshooting.

### **Release 0.0.12 (2016/11/10)**

- Now you can restore deleted Office 365 groups.
- Multi-level group nesting. Now you can restore groups containing group with member containing another group.

### **Release 0.0.11 (2016/10/27)**

- Recovery for Azure Active Directory uses differential API for backup:
  - Support for large directories with many links (400 K objects).
  - Backup format is changed.

### **Release 0.0.10 (2016/10/13)**

- Restore membership for the nested groups (one-level nesting).

### **Release 0.0.9 (2016/10/13)**

- Restores deleted security (not mail enabled) groups with membership.

### **Release 0.0.7 (2016/9/27)**

- Product scalability and customer capacity are improved.

### **Release 0.0.6 (2016/09/21)**

- Added the "text copy" browser feature in dialog grids like the Manage Directories dialog.

### **Release 0.0.5 (2016/09/15)**

- Recovery for Azure Active Directory lets you back up large tenants: ~400 K objects (users and groups).

### **Release 0.0.4 (2016/09/13)**

- Administrator credentials are no longer required for restoring users from Recycle Bin.

### **Release 0.0.3 (2016/09/04)**

- The Beta Test Agreement confirmation is shown after the login screen.
- Slack channel invitation is sent automatically to customers.

### Release 0.0.2 (2016/08/15)

- Recovery for Azure Active Directory registers customer tenants using multi-tenant application; support for Office 365 tenants.

### Release 0.0.1 (2016/07/24)

- Validate Recovery for Azure Active Directory access permissions.
- Allow access only for approved Quest Software accounts (white list).
- Now you can back up and restore selected attributes for users.
- You can back up and restore groups using Recovery for Azure Active Directory.
- Restores deleted users from Recycle Bin users.
- Recovery for Azure Active Directory offers simple charts for Active Directory objects - objects by type, by backup date, by tenant.

## Known issues and Limitations

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

**Table 1: General known issues**

Issue ID	Known Issue
RMAZ-18	<p>If you restore two groups which are members of the third group which was deleted, the third group can be duplicated after the restore operation. This issue is applied only to non-Office Groups which support nesting.</p> <p><b>Workaround:</b> To avoid this issue, the user needs either to restore groups one by one (order is not important) or restore all of them at once.</p>
RMAZ-128	<p>Recovery for Azure Active Directory converts distribution lists and Mail-enabled security groups to Office 365 groups during recovery. If you have nested distribution lists, they will not be restored.</p>
RMAZ-129	<p>Recovery for Azure Active Directory does not back up and does not store user passwords.</p>
RMAZ-130	<p>Recovery for Azure Active Directory does not support restore of Contact objects.</p>
RMAZ-120	<p>Recovery for Azure Active Directory does not support restore of dynamic groups (the feature of Azure AD Premium). If a user tries to restore dynamic group, the application will restore it as non-dynamic with all explicitly applied members.</p>
RMAZ-126	<p>The following error is shown "Failed to add &lt;user_name&gt; to group All Users. Status: 403, Code: Authorization_RequestDenied" if you try to restore a user in Azure AD Premium that is a member of the All Users dynamic group. The similar error will be shown if the user is a member of any other dynamic group.</p> <p><b>Workaround:</b> To avoid this error, please restore only required properties and membership information using the Differences view.</p>
RMAZ-127	<p>Explicit (granted directly to a user, not inherited via group membership) permissions are lost after restore of permanently deleted users or groups.</p>

Issue ID	Known Issue
RMAZ-464	Recovery for Azure Active Directory does not restore Applications for users and groups.
RMAZ-134	Recovery for Azure Active Directory does not restore the Directory role attribute for users.
RMAZ-136	Restore of changed user mail attributes such as mail, proxyAddress, targetAddress is not supported. These attributes are restored correctly if you restore the deleted object from Recycle Bin.
RMAZ-137	Recovery for Azure Active Directory does not restore an Office 365 mailbox (either for user or for Office group) if it was permanently deleted.
RMAZ-138	Recovery for Azure Active Directory does not restore user's Photo (thumbnailPhoto attribute).
RMAZ-139	Recovery for Azure Active Directory does not restore Contact Authentication attributes: Authentication Email, Alternate Authentication Email, Authentication Phone, Alternate Authentication Phone.
RMAZ-141	Recovery for Azure Active Directory does not restore multi-factor authentication settings for users.
RMAZ-174	Recovery for Azure Active Directory does not restore Distribution List members with the error "Status: 400, Code: Request_BadRequest. Details: Unable to update the specified properties for objects that have originated within an external service".
RMAZ-179	Backup and restore of device objects registered in Azure Active Directory is not supported.
RMAZ-252	<b>Only for Hybrid restore:</b> Granular restore of object membership from the Differences view is not supported. <b>Workaround:</b> Go to the Objects view, find the group that you want to restore and select the member attribute in the attribute list to restore links.
RMAZ-262	Recovery for Azure Active Directory supports one hybrid connection per the On Demand organization. If you need to manage multiple hybrid tenants, create a separate On Demand organization for each Hybrid Azure AD tenant.
RMAZ-270	If two users perform the unpack operation simultaneously with the selected "Clear objects" option in the same On Demand organization, one of the processed backups will not be unpacked (or will be partly unpacked). <b>Workaround:</b> Do not select the "Clear objects" option. Also, the restore operation may fail if the user is trying to unpack the backup that is currently processed by another user.
RMAZ-273	Old backups (backups that were created before you remove the tenant) are not shown in the Recovery for Azure Active Directory user interface if the same tenant was removed and then added again. If you need to unpack, restore or delete old backups, please contact Quest Support.
RMAZ-279	InTune policies are not supported by Recovery for Azure Active Directory.
RMAZ-293	Recovery for Azure Active Directory does not support restore of cloud only attributes for hybrid objects if Recovery Manager for Active Directory is not installed.
RMAZ-308	Some attributes of on-premises objects (e.g. "ipPhone","pager","info","homePhone") are mapped by Azure AD connect but are not shown in the Differences view and cannot be applied to the cloud users. Recovery for Azure Active Directory restores these attributes for on-premises objects.
RMAZ-309	Recovery for Azure Active Directory shows expired backups that were deleted. If you select the

Issue ID	Known Issue
	expired backup to perform the restore operation, you will get the "Internal error in lambda restoreAttributes" error.
RMAZ-311	Cannot download hybrid credentials with the Error 404 "Not found". This issue may occur if you try to get credentials right after the registration - it takes about one minute to create the Relay credentials.
RMAZ-315	Backup task does not check the Admin consent status, but if the Admin consent is not granted for the tenant, the following error occurs: "The identity of the calling application could not be established."
RMAZ-335	The usageLocation attribute may not be restored if license attributes were not selected together with usageLocation for restore.
RMAZ-338	Recovery for Azure Active Directory does not show the proxyAddresses attribute in the Differences view.
RMAZ-352	The restore operation from the Differences view may fail if you run Refresh before the restore operation is completed.
RMAZ-354	Incorrect (empty) object count in the "details panel" of the Restore from Diff task.
RMAZ-355	If the same on-premises object is selected in different unpacked backups on the Objects view, Recovery for Azure Active Directory will perform the hybrid restore of the object on the first selected backup date.
RMAZ-358	If multiple objects are selected for restore and there is Directory Synchronization Service Account among them, the restore operation will fail for all objects with the error "Failed on-premise restore. Error: Value cannot be null".
RMAZ-359	Recovery for Azure Active Directory does not backup and restore openTypeExtension attributes. For more details about openTypeExtension, see <a href="https://developer.microsoft.com/en-us/graph/docs/api-reference/v1.0/resources/opentypeextension">https://developer.microsoft.com/en-us/graph/docs/api-reference/v1.0/resources/opentypeextension</a> .
RMAZ-360	Recovery for Azure Active Directory does not backup and restore schemaExtension attributes.
RMAZ-373	Hybrid restore (from Objects or Differences view) uses attribute values from the on-premises backup. So, these values may be different from the corresponding values shown in the Differences or Objects view.
RMAZ-374	One instance of Recovery Manager Portal can be used with one Azure AD tenant and one Azure AD Connect server. Install multiple RMAD web portals if you need to work with multiple Azure AD tenants and Azure AD connect servers.
RMAZ-405	If you enable Azure Multi-Factor Authentication (MFA), you should regrant Admin Consent for the Recovery for Azure Active Directory module. Otherwise, you will get the following error during the restore operation: "Failed to refresh access token. StatusCode: 400. ErrorCode: interaction_required. Due to a configuration change made by your administrator, or because you moved to a new location, you must use multi-factor authentication to access".
RMAZ-457	Restore of the usageLocation cloud attribute does not work for the "Exchange Hybrid" scenario.
RMAZ-471	A password is not restored for hard deleted users (work, school, local, guest accounts). In this case, the user needs to reset the password.
RMAZ-472	Object IDs are not preserved when you restore hard deleted users (work, school accounts, B2C local accounts, guest or B2B, B2C social accounts) or groups.
RMAZ-485	Failed to restore the hybrid cloud user that was permanently deleted if Azure AD Connect

Issue ID	Known Issue
	cannot synchronize the newly created user from the on-premises Active Directory to the cloud. <b>Workaround:</b> Force Azure AD Connect initial synchronization to fix this issue, then restart the restore operation.
RMAZ-542	After restore of permanently deleted objects, these objects are still shown as permanently deleted in the Differences report along with the recreated objects.
RMAZ-566	Recovery for Azure Active Directory does not support backup and restore of Azure Active Directory tenants created in Azure Germany, China or U.S. Government.
RMAZ-576	Restore of more than 10000 objects using one task is not supported.

**Table 2: Quest Migration and Management Platform known issues**

Issue ID	Known Issue
QMMP-74	You may see a "white screen" instead of spinning preloader when starting Recovery for Azure Active Directory.
QMMP-130	The "Select all" option does not work properly in the "Select attributes" dialog that opens when you click <b>Browse</b> in the Restore Objects dialog. If you select the "Select all" check box, all attributes will be selected, but will not be restored.
QMMP-142	Invalid sorting of data by 'Task Name' and 'Object Name' fields in the Events view.
QMMP-159	Resizing issue: Shows gray overlay on small displays when the side bar was initially in the expanded state.
QMMP-177, QMMP-182	Scrolling hangs if there are more than 10000 objects in a list. <b>Workaround:</b> Use sorting or filtering option to narrow your search scope.
QMMP-184	The timelines on the Events and Backups show incorrect results if you select an interval in the timeline and then click any date range link on the left side of the screen.
QMMP-201	If you work with Internet Explorer 11, dialogs launched from the Differences and Dashboard screens may show controls from the lower layer. <b>Workaround:</b> Resize the browser window.
QMMP-221	Details panel on the Objects view shows tasks in a random order.
QMMP-228	On the Dashboard view, if you click on any specific status in the <b>objects</b> widget, you will be redirected to the Objects view with this status as a filter. Then, if you go back to Dashboard and click on the widget title (total number of objects), you will be redirected to Objects with the previous status filter.

## 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 modules rely 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

Before using Recovery for Azure Active Directory, ensure that your system meets the following minimum software requirements:

- Microsoft Internet Explorer 11
- Microsoft Edge
- Google Chrome (latest version)
- Mozilla Firefox (latest version)

## Product licensing

Trial subscriptions are available. Go to the Quest On Demand web page for more information and pricing: <https://www.quest.com/on-demand/>

### Limitations of Trial Version

You can use the product free during a 90-day trial period.

## More resources

Additional information is available from the following:

- Online product documentation: [Recovery for Azure Active Directory](#)
- [Quest On Demand community](#)
- [Product trials and subscriptions](#)

## Third-party contributions

This product contains the third-party components listed below. For third-party license information, go to <https://quest.com/legal/license-agreements.aspx>.

**Table 3: List of third-party contributions**

Component	License or acknowledgment
aiobotocore 0.3.3	Apache 2.0
aiohttp 2.1.0	Apache 2.0

Component	License or acknowledgment
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