Quest®

Binary Tree® Migrator Pro for Active Directory 20.11.1

Release Notes

June 2023

These release notes provide information about the Binary Tree Migrator Pro for Active Directory 20.11.1 release.

Topics:

About this release

Binary Tree Migrator Pro for Active Directory automates the restructuring, consolidation and separation of Active Directory environments. This Active Directory migration tool synchronizes and migrates objects, settings, properties, workstations and servers within and between AD forests–even if they're disconnected or are on isolated networks.

You can safely migrate during normal business hours as your users can keep working during the migration without interruption. And Binary Tree Migrator Pro for Active Directory is highly secure as it does not use RPC or remote registry access and it requires no (ZERO) open inbound ports in the network firewall.

Migrator Pro for Active Directory 20.11.1 is a minor release, with enhancements and resolved issues.

Enhancements

The following is a list of enhancements implemented in Migrator Pro for Active Directory 20.11.1.

Table 1. General enhancements

Enhancement	Issue ID
Blacklist changed to Exclusion List for Device ReACL Profile and NAS ReACL Profile Add/Edit feature.	33735
Licensing has been updated to support license termination.	34116
Migration Profiles now have a Migration Type selection. When queuing an Offline Domain Join job, users are now prompted for Migration Options.	34254
An option to force reset on failed/failing device actions has been added.	34256
Support for Reparse Points during Device ReACL and NAS ReACL has been added. Reparse Points like Symbolic Links, Mount Points, and OneDrive folders will be processed by ReACL. Additional Reparse Tags can be added to the rules list.	34258
SQL Server 2019 is now supported.	34287
SQL Server 2022 is now supported.	37190
Windows Server 2022 now supported.	37191
Updated the ignore/filtering to first ignore based on the objectsid. If there is no objectsid to ignore/filter, the original sAMAccountName is used.	41330

Resolved issues

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

Table 2. General resolved issues

Resolved Issue	Issue ID
Out-of-place dialog text on the NAS ReACL profile add/edit dialog in the Retry on Network Error section.	20469
For the Import wave feature, a duplicate object is assigned to a wave.	31100
The Import wave feature does not provide an error when the CSV file is not formatted properly.	31151
SQL Repermissioning does not process custom server roles.	35035
NetSPI: Weak Session Management - Insufficient Session Expiration.	35242
NetSPI: Password Management: Password in Comment.	35243
NetSPI: Weak Encryption Implementation - Hardcoded Key in Source Code: The encrypt/decrypt functions that use this key have been marked as obsolete. However, this code has been left in place to enable customers using product version 20.10.1.4 and below to upgrade to later versions. After upgrade, items encrypted with this obsolete key will automatically be recalculated and stored with the new secure replacement functions.	35244
NetSPI: Insufficient Logging: In each of these cases occasional exceptions are expected and the calling code deals with default return values. Logging is not considered necessary and disruptive for the end user.	35245
NetSPI: Use of Insufficiently Random Values: 4-digit random integer is sufficient for this function.	35246
NetSPI: ASP.NET Misconfiguration: Debug Information (XML)	35247
NetSPI: Cookie Security: HTTPOnly Not Set	35248
NetSPI: Password Management - Hardcoded Password	35249

NetSPI: Weak Cryptographic Hash Used: This provides backwards compatibility for customers upgrading from product versions 20.10.0.4 and below. 20.11 and above use SHA256.	35250
NetSPI: Resource Injection: This function intentionally generates a connection string from user supplied information.	35251
Deleted shares result in orphaned jobs that cannot be cancelled.	37665
A Network Share with a trailing slash breaks the ReACLShare job.	37796
NAS File Share doesn't allow the underscore character (_) to be used.	39975
Jobs with different activities types cancelled.	40203
ReACL fails with a NullReference exception when the ProfileList entry is missing ProfileImagePath.	41319

Known limitations

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

Table 3. Active Directory Reporter known limitations

Known limitation	Issue ID
In AD Reporter, there is an issue when running a custom report for a specific State or City value. Leave the search set for All and the report will be generated.	4592

Table 4. Cutover known limitations

Known limitation	Issue ID
In some cases, the machine reboot process may cause the cutover process to run multiple times. The cutover completes successfully, however, the cutover status in the Migrator Pro for Active Directory console may not reflect this. If a rollback of the cutover is needed in this scenario, the cutover status must be "Completed" in the SQL database. Contact Support for assistance modifying this properly in order to perform a cutover rollback. This issue will be resolved in a future release.	4613
Devices should not be ReACL'd once they have been cutover to the Target. This is not best practice and not supported. ReACL'ing post cutover can cause problems with the registry and user profiles.	4602
The dot character (.) is not a valid character in usernames entered for Credentials.	4615
The Microsoft's security patch released on October 11, 2022 produces 2732 error - Domain Join Hardening Changes when rolling back a computer from cutover.	41441

Table 5. Installation known limitations

Known limitation	Issue ID
There is no pre-requisite checking in the Migrator Pro for Active Directory agent installer to make sure that the supported .NET and PowerShell are installed. The installation of the agent will fail if these prerequisites are not met. The specific version of the prerequisites is documented in the product requirements.	4590
Due to compatibility issues, the version 20.11 agent is required for the version 20.11 installation.	29135

Table 6. Offline Domain Join known limitations

Known limitation	Issue ID
A Trust, at minimum Outgoing Trust established from Source to the Target, is required for the Offline Domain Join feature.	4597

Table 7. ReACL known limitations

Known limitation	Issue ID
When a Folder Redirect GPO is setup using a UNC share path instead of the user's local machine, ReACL will not update the permissions for that folder. The file share should be ReACL'd.	4591
Users should backup any content in their Recycle Bin that they would like to keep and empty the Recycle Bin prior to their workstation being joined to a new domain. If this is not done, they will receive a message that their Recycle Bin is corrupt and a new Recycle Bin will be automatically created by Windows for their new target domain account. The Migration Options Settings in the Migrator Pro for Active Directory console does have the ability to Empty the Recycle Bin as part of the device cutover, but note, this will not back up the content.	4593
Full Access Permission is required to ReACL NAS shares on Windows XP machines.	4595
SID history must be migrated to the target domain in order for Windows Modern (Metro) applications in Windows 8.1 to work properly post ReACL and cutover to the target domain. This is not a problem in Windows 8.	4596
On Windows 8, Windows 8.1, and Windows 10, after a ReACL, Network Printers may be removed and will need to be re-added manually.	4600
On Windows 10, after a ReACL and cutover, the target user logged in may get an error "Invalid value for registry" when opening files that were associated with Windows applications (Modern UI or Metro apps). To resolve the issue, the user should run the application from the Windows Store from the Start menu. This will fix the file associations. Note, this problem will also resolve or fix itself in Windows after some time has passed.	4601
Groups synced as members of another group are not added to ReACL mapping files.	4604
Migrator Pro for Active Directory does not ReACL clustered SQL Servers.	4607

Table 8. Reports known limitations

Known limitation	Issue ID
If a Migration Group is added, it will not appear in the Migration Group filter on the Reports until you either close the Migrator Pro for Active Directory console or switch to a different report.	4598
At this time, reporting in Migrator Pro for Active Directory using SQL Server Reporting Services 2016 or higher is not supported. The reports included in this release of Migrator Pro for Active Directory are supported on SSRS 2012 and 2014.	4599

Table 9. SQL Re-Permission known limitations

Known limitation	Issue ID
For SQL Re-permissions, server logins that are valid AD accounts do not get updated as Target Domain accounts.	4589

Table 10. UI User Experience known limitations

Known limitation	Issue ID

	4605
The Custom Action Download Target file path requires a trailing backslash (\) to work for custom target path.	4605
A global variable value's first character is skipped if the character is a zero (0).	4606

Table 11. Upgrade known limitations

Known limitation	Issue ID
If a registered device is upgraded during a migration, the Operating System Version value is not properly updated when performing a new Discovery. (4614)	4614
To preserve the Migrator Pro for Active Directory and Directory Sync Pro for Active Directory customizations, Offline Domain Join Files, and any uploaded Device Logs, the installation folder name will not be changed to the new ADPro and DirSyncPro folder name when upgrading from a previous version of Migrator Pro for Active Directory and Directory Sync Pro for Active Directory.	4603

Table 12. Workstation Agent – Cutover Options known limitations

Known limitation	Issue ID
When Devices are cutover to the Target Domain, the Source Device object will remain enabled in the Source Active Directory environment. This will change in a future release.	4594
Migrator Pro for Active Directory currently does not have the ability to set the DNS setting on a specific network card in dual network card setups. During cutover, the password and target AD cannot be authenticated if the first network Windows attempts to access cannot communicate to the new DNS server. To prevent this, the Network Card Binding Order must be correctly set. To set the Network Card Binding Order, go to Network and Internet\Network Connection, hold the Alt Key to access the Advanced Setting and change the order.	4612

System requirements

Refer to the Binary Tree Directory Sync Pro for Active Directory and Migrator Pro for Active Directory 20.11.1 Requirements and Installation Guide (https://support.quest.com/technical-documents/binary-tree-migrator-pro-for-active-directory/20.11.1/requirements-and-installation-guide) for system requirements.

Product licensing

A valid license is required for Binary Tree Directory Sync Pro for Active Directory and Binary Tree Migration Pro for Active Directory.

To obtain licenses, see information on this page https://www.quest.com/company/contact-us.aspx or contact the sales team at sales@quest.com

To specify a license file:

When opening the application for the first time, you are prompted to add a license before proceeding.

To view or add a license file:

1. In the upper-right menu, under Settings, select **Licenses**.

2. View the existing license info or click **Add License**.

Upgrade and installation instructions

Refer to the Binary Tree Directory Sync Pro for Active Directory and Migrator Pro for Active Directory 20.11.1 Requirements and Installation Guide (https://support.quest.com/technical-documents/binary-tree-migrator-pro-for-active-directory/20.11.1/requirements-and-installation-guide) for installation instructions.

More resources

Additional information is available from the following:

- Online product documentation (https://support.quest.com/binary-tree-migrator-pro-for-active-directory/20.11.1/technical-documents)

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. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. 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. It supports bidirectional writing (Arabic and Hebrew). The release supports Complex Script (Central Asia – India, Thailand).

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.