

Metalogix® Replicator 7.4

Release Notes

September 2023

These release notes provide information about the Metalogix® Replicator release.

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Notices

NOTICE: Events from the Look and Feel replication group have been moved to different replication groups after version 7.4.1706.0. As a result, Replicator does not support replication from versions 7.4.1706.0 and higher to version 7.3.1705.0 and lower. If you do not upgrade all farms to the latest version you run the risk of map update events disabling events that you may otherwise believe to be enabled, resulting in synchronization problems. Review all your map families on your farms for correctness after upgrading them, then review them once again one week later to make sure any map updates that may have been in transit during the upgrade have not made unexpected changes.

NOTICE: The Queue-ReplicatorMap cmdlet behavior has changed significantly in the latest version of Replicator. Refer to the **PowerShell Queuing Examples** section of the Metalogix Replicator Reference Guide for examples of proper usage. Commands using the older syntax will no longer work effectively from version 7.4.1706 and on.

New features

Version **7.4.2308** of Metalogix Replicator introduces the following features:

- SharePoint Server Subscription Edition is supported.
- Security has been enhanced to address issues with Polaris scans.

FIPS Compliance

- Added FIPS support for SharePoint Server 2013
- Added FIPS support for SharePoint Server 2016
- SharePoint Server 2019 is not supported with FIPS enabled
- SharePoint Server Subscription Edition is not supported with FIPS enabled

Support for SharePoint CU

- Added support for SharePoint Server 2013, each month from May 2022 CU to April 2023 CU
- Added support for SharePoint Server 2016, each month from May 2022 CU to August 2023 CU
- Added support for SharePoint Server 2019, each month from May 2022 CU to August 2023 CU
- Added support for SharePoint Subscription Edition, until August 2023 CU

Resolved issues

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

7.4.2308

Description	Work Item	Case No.
The issue "When multiple users are selected in a user metadata field they are not replicated correctly to the target" has been resolved.	536855	02059451
The issue "String was not recognized as a valid DateTime" has been resolved.	539534	CR-54691

7.4.2204

Description	Work Item	Case No.
The issue with high memory usage when using customized maps has been resolved.	518263	4917657-1
The issue with sustained CPU load of 100% even when Replicator is "idle" has been resolved.	518264	4917657-1

Known issues

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

Replicator Configuration and Upgrades

Description	Reference No.
Packages that were locally completed from date-1 are not marked for deletion when running the Clear-ReplicationQueueCompleted and Clear-ReplicationQueueCompletedOnError commands with the CompleteThreshold argument.	200392
After an upgrade is performed, the replication status column does not display the status of item replication. Workaround: Deactivate and activate the Metalogix Replicator feature for replication status column and it starts working again.	49749

Site Structure and Permissions

Description	Reference No.
Subsite does not inherit permissions between 7.1 and 7.2	221047
SiteCollectionAdd event is causing a pingback, removing SiteCollection administrators from the source when the same users, with/without claim, exist.	225513
SiteCollectionAdd event is not caught as a first event on the outbound web application when creating a Publishing SiteCollection, causing the packages above the SiteCollectionAdd event to fail.	226672
No event was captured in source after configuring a homepage for sites created with Document Center/Record Center.	354202
SourceApp Navigation link replicate to target, causing two navigation links to be created for the same application.	356286
WebUpdate event captured for deleted App.	357509
Webpart views are automatically changed after replication to default on the main page.	359407
Outbound Package "BUILDING": nError Message: ' _____ ', hexadecimal value 0x03, is an invalid character.	397768
Correct set of selected events not shown when editing a scheduled queue map job.	414325

Icon for disabled settings on the Topology page, are displayed as a rectangle.	442629
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List Items and Folders

Description	Reference No.
FolderAdd failed with error "Cannot create Folder/ folder....." after queuing custom list with at least two folders.	245236
Folder not replicated: the map family Events are not captured after selecting only folder add/update events on sub-folder.	253663
ListDelete event disabled after the importing of Replicator settings.	271691
Error when deleting a MicroFeed post in SP2016.	275179
List item fails to replicated with error - "Can't find Destination Container (list remapping)" when the list does not exist on target with the same URL.	282746
MapFamilyUpdate event is being captured for disabled and not existing lists on the target.	304097
If an adaptive inbound package does not receive a notification, then the inbound packages queue gets stuck and does not process.	306486
Property bag item event for list/library is not captured on the source.	308365
New Term Stores are not replicated the second time, restarting services is required	345609
Text in the Description field for Groups/Term Sets/Terms are not replicated.	345615
Recent .aspx page drafts not being published on Target, events are being skipped - status message states "web part update will be replicated as part of list item update for the item".	348921
Copied TermStore, but terms are not replicated over.	351248
Merged terms are not replicated.	351252
Renamed Term Groups do not replicate.	354457
Users/groups added to Stakeholders field in the Term Set are not queued to the target.	359180
Webparts pointing to the same document library are not updating the target because of warning message: "more recent copy of default.aspx"	362071

File Replication with ListItemAdd event failed with message - "Parsing of the provided parameters value failed"	370751
Renamed Term creates a new Term on target.	372767
The ListItemUpdate event is skipped when updating Ratings for list items in SharePoint 2019, with the following message provided: "Event skipped because of System Updates not being processed for List Item Update."	422578
When Replicating from SP2019 to SP2016 the value of a field is not associated to a valid term.	410579

Versions, Check-Ins and Check-Outs

Description	Reference No.
Checking in and approving a new .aspx page in the pages library results in a status of Draft instead of Approved.	223882
Extra minor version created after publishing a major document version.	224856
Versions for checked in documents is missing, where no changes have been made before check-in, when you queue a library with queueversions from 7.1 to 7.2	227642
Publishing of a page is not applied on the target web application, even though the ListItemUpdate event is captured and applied without errors.	228285
SiteNavigationUpdate event fails with Invalid Replication Package: 'The 'GlobalNavigationSource' attribute is not declared.'	247108
Major versions for default.aspx in publishing Pages library increase after you queue a library with queue versions.	283178

Look and Feel

Description	Reference No.
Look and Feel events disabled when map family replicated from lower than 7.3.1705.0	288475

Workflows

Description	Reference No.
First time creating a Site Nintex workflow association does not replicate	243439

Second task in a parallel approval workflow is not replicated.	281321
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Social Data

Description	Reference No.
Packages with the SocialDataSetAdd event fail on outbound replication with 'error adding replication queue item' error.	214199

Recommended solutions

The Quest Knowledge Base contains recommend solutions to known issues, and can be accessed from the Community Portal at <https://www.quest.com/community/quest/metalogix-replicator>

Version History

Resolved issues from previous versions are listed below.

Version 7.4.2204

Support for SharePoint CU

- Added support for SharePoint Server 2013, each month from March 2021 CU to April 2022 CU
- Added support for SharePoint Server 2016, each month from March 2021 CU to April 2022 CU
- Added support for SharePoint Server 2019, each month from March 2021 CU to April 2022 CU

Version 7.4.2101

7.4.2101

Features

Support for SharePoint CU

- Added support for SharePoint Server 2010, each month from August 2020 CU to February 2021 CU
- Added support for SharePoint Server 2013, each month from August 2020 CU to February 2021 CU
- Added support for SharePoint Server 2016, each month from August 2020 CU to February 2021 CU
- Added support for SharePoint Server 2019, each month from August 2020 CU to February 2021 CU

Fixes Issues

Description	Work Item	Case No.
Set-ReplicatorAlerts Powershell command was updated to use Site collection as the default type so that the Type parameter is not required	468749	4735658-2

ULS logging was reduced for map families using the delayed replication settings	473469	4735658-1
Paging add to Manage Content Sync Job page to improve performance	476267	4765544-1
Set-ReplicatorWebAppConfig Powershell command was updated to support Remap to Site owner parameter	480070	
Resolved performance issues caused by customized maps	486919	4842192-1

Version 7.4.2007

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

Features

7.4.2101

Support for SharePoint CU

- Added support for SharePoint Server 2010, each month from August 2020 CU to February 2021 CU
- Added support for SharePoint Server 2013, each month from August 2020 CU to February 2021 CU
- Added support for SharePoint Server 2016, each month from August 2020 CU to February 2021 CU
- Added support for SharePoint Server 2019, each month from August 2020 CU to February 2021 CU

7.4.2007

Telerik DLLS

Update Telerik.Web.UI.dll to use version 2020.2.617.45 to address latest security issues with Telerik.

Support for SharePoint CU

- Added support for SharePoint Server 2010, March 2020 CU
- Added support for SharePoint Server 2013, March 2020 CU
- Added support for SharePoint Server 2016, March 2020 CU
- Added support for SharePoint Server 2019, March 2020 CU
- Added support for SharePoint Server 2010, April 2020 CU
- Added support for SharePoint Server 2013, April 2020 CU
- Added support for SharePoint Server 2016, April 2020 CU
- Added support for SharePoint Server 2019, April 2020 CU
- Added support for SharePoint Server 2010, May 2020 CU
- Added support for SharePoint Server 2013, May 2020 CU
- Added support for SharePoint Server 2016, May 2020 CU
- Added support for SharePoint Server 2019, May 2020 CU
- Added support for SharePoint Server 2010, June 2020 CU

- Added support for SharePoint Server 2013, June 2020 CU
- Added support for SharePoint Server 2016, June 2020 CU
- Added support for SharePoint Server 2019, June 2020 CU
- Added support for SharePoint Server 2010, July 2020 CU
- Added support for SharePoint Server 2013, July 2020 CU
- Added support for SharePoint Server 2016, July 2020 CU
- Added support for SharePoint Server 2019, July 2020 CU

Version 7.4.1908

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

Features

Support for new Modern web parts 2019

Added support for Hero webpart, VideoEmbed wepart, and QuickChart webpart.

User Interface Improvement to Manage Maps

Improvements made to the user interface on the Manage Maps page. These include the displaying of list and list item maps within the tree control, and the identifying names of maps within the tree control.

Support for Windows Server 2019

Added support for Windows Server 2019.

Support for SharePoint CU

- Added support for SharePoint Server 2010, June 2019 CU.
- Added support for SharePoint Server 2013, June 2019 CU.
- Added support for SharePoint Server 2016, June 2019 CU.
- Added support for SharePoint Server 2019, June 2019 CU.
- Added support for SharePoint Server 2010, July 2019 CU.
- Added support for SharePoint Server 2013, July 2019 CU.
- Added support for SharePoint Server 2016, July 2019 CU.
- Added support for SharePoint Server 2019, July 2019 CU.
- Added support for SharePoint Server 2010, August 2019 CU.
- Added support for SharePoint Server 2013, August 2019 CU.
- Added support for SharePoint Server 2016, August 2019 CU.
- Added support for SharePoint Server 2019, August 2019 CU.

Version 7.4.1905

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

Features

Improvements to Queue Map functionality

Changed how the Queue Now functionality works, adding support for scheduled queuing, and changed name of the powershell command.

Support for SharePoint 2019

Added support for SharePoint server 2019.

Support for SharePoint CU

- Added support for SharePoint Server 2010, April 2019 CU.
- Added support for SharePoint Server 2013, April 2019 CU.
- Added support for SharePoint Server 2016, April 2019 CU.
- Added support for SharePoint Server 2019, April 2019 CU.
- Added support for SharePoint Server 2010, March 2019 CU.
- Added support for SharePoint Server 2013, March 2019 CU.
- Added support for SharePoint Server 2016, March 2019 CU.
- Added support for SharePoint Server 2019, March 2019 CU.

Version 7.4.1902

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

Features

Nintex Workflow

Support for third party Nintex workflow 3.3.0.1 was implemented for Replicator.

Publishing Site Settings

Support for replication of published site settings has been implemented. Specifically: Subsite Templates , Page Layouts, New Page Default Settings, switching between inherited and not inherited, all items or selecting from lists (add/remove in any language).

Pausing Map Families via PowerShell

Implemented the ability to pause map families through the use of PowerShell commands.

Support for SharePoint CU

- Added support for SharePoint Server 2010, January 2019 CU.
- Added support for SharePoint Server 2013, January 2019 CU.
- Added support for SharePoint Server 2016, January 2019 CU.

- Added support for SharePoint Server 2010, February 2019 CU.
- Added support for SharePoint Server 2013, February 2019 CU.
- Added support for SharePoint Server 2016, February 2019 CU.

Fixed Issues

Description	Work Item	Case No.
Resolved issue where quotes were not present around the service path, which is required in order to minimize issues.	406600	4423870-1
Resolved issue where there was an inability to connect to the Guard using a DH Key.	406596	4423603-1
Resolved issue with SQL deadlocks.	406289	4418332-1
Resolved issue where user was receiving a warning on inbound packages when replicating list items with a managed metadata column.	403778	4405345-1

Version 7.4.1812

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

Features

KPI Changes

Updates made to KPI's which will allow any KPI state change to be logged into the event log for better reporting.

Package Processing Improvements

Significant improvements were made for package processing when there are multiple Replicator connections.

Support for SharePoint CU

- Added support for SharePoint Server 2010, November 2018 CU. (TFS# 400843)
- Added support for SharePoint Server 2013, November 2018 CU. (TFS# 400842)
- Added support for SharePoint Server 2016, November 2018 CU. (TFS# 400844)
- Added support for SharePoint Server 2010, December 2018 CU. (TFS# 404363)
- Added support for SharePoint Server 2013, December 2018 CU. (TFS# 404364)
- Added support for SharePoint Server 2016, December 2018 CU. (TFS# 404365)

Fixed Issues

Description	Work Item	Case No.
Resolved issue with access denied error for SharePoint list item.	398935	00169913

Version 7.4.1811

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

Features

Quest Rebranding

- Updates were made for Quest branding of documentation.

Fixed Issues

Description	Work Item	Case No.
Resolved issue where unicode non-text characters caused an issue when serializing xml packages.	397768	00168572; 00170742

Version 7.4.1810

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

Features

Disabling Replication of Nintex Columns

- Added the ability to disable replication for Nintex Columns. (TFS# 393918)

Support for SharePoint CU

- Added support for the SharePoint 2010, October 2018 CU. (TFS# 396283)
- Added support for the SharePoint 2013, October 2018 CU. (TFS# 396288)
- Added support for the SharePoint Server 2016, October 2018 CU. (TFS# 396292)

Support for SharePoint Security Fixes

- Added support for SharePoint Security fixes released with the October 2018 PU for SharePoint. (TFS# 396295)

Fixed Issues

Description	Work Item	Case No.
Performance improvements have been made specifically for catching list item delete event.	386174	00168712
Resolved issue where Workflow association was failing to replicate to Web Application with Trusted Identity Provider Authentication enabled.	391904	00169516

Version 7.4.1809

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

Features

Support for SharePoint CU

- Added support for the SharePoint 2010, September 2018 CU.
- Added support for the SharePoint 2013, September 2018 CU.
- Added support for the SharePoint Server 2016, September 2018 CU.

Support for SharePoint Security Fixes

- Added support for SharePoint Security fixes released with the September 2018 PU for SharePoint.

Fixed Issues

Description	Work Item
Resolved issue where list item delete event for the replication report was not performing as expected.	384231

Version 7.4.1808

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

Features

Support for SharePoint CU

- Added support for the SharePoint 2010, August 2018 CU.
- Added support for the SharePoint 2013, August 2018 CU.
- Added support for the SharePoint Server 2016, August 2018 CU.

Support for SharePoint Security Fixes

- Added support for SharePoint Security fixes released with the August 2018 PU for SharePoint.

Fixed Issues

Description	Work Item
Resolved issue where list content types were not matching on the target.	380359
Improved on the replication report for map families with no selected events.	384145, 384146

Version 7.4.1807

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

Features

Metalogix Cloud Services to On-Premise

Added support for Metalogix Cloud Services to On-Premises replication.

Managed navigation

Added support for Managed Navigation in SharePoint Server.

Support for SharePoint CU

- Added support for the SharePoint 2013, July 2018 CU.
- Added support for the SharePoint Server 2016, July 2018 CU.
- Added support for the SharePoint 2010, June 2018 CU.
- Added support for the SharePoint 2013, June 2018 CU.
- Added support for the SharePoint Server 2016, June 2018 CU.

Support for SharePoint Security Fixes

- Added support for SharePoint Security fixes released with the July 2018 PU for SharePoint
- Added support for SharePoint Security fixes released with the June 2018 PU for SharePoint

Fixed Issues

Description	Work Item
Resolved the issue where inbound packages with ListItem events were failing to update the 'read only' field.	366214
Resolved issue where the Site Welcome page could not be found on the destination for update.	370406

Version 7.4.1805

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

Features

PowerShell Command Additions

Implemented the ability to pause/un-pause a map family using PowerShell Command.

Replication of SharePoint Hosted Applications

Implemented the ability to replicate SharePoint hosted applications.

Preventing Duplication of Workflow Notifications

Implemented the ability to prevent the duplication of workflow notifications from multiple destinations.

Support for SharePoint CU

- Added support for the SharePoint 2010, April 2018 CU.
- Added support for the SharePoint 2013, April 2018 CU.

- Added support for the SharePoint Server 2016, April 2018 CU.

Support for SharePoint Security Fixes

Added support for SharePoint Security fixes released with the April 2018 PU for SharePoint

Fixed Issues

Description	Work Item
Resolved issue where outbound packages were stuck in the built state.	305244
Resolved issue where unable to view maps via Central Administration site level, after upgrading to Replicator version 7.4.1804.0.	358043
Resolved issue where service restart message was being frequently logged in the application event log.	353073

Version 7.4.1804

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

Features

Replication of Term Store

Implemented the ability to replicate Term Stores with Replicator.

Manage Map Family Interface Improvements

There has been an overhaul of the Manage Map Family pages. The user interface has improved, and now has the ability to search for specific map families based on URL, as well as the ability to see the recent, and most frequently used map families.

Support for SharePoint CU

- Added support for the SharePoint 2010, March 2018 CU.
- Added support for the SharePoint 2013, March 2018 CU.
- Added support for the SharePoint Server 2016, March 2018 CU.

Support for SharePoint Security Fixes

Added support for SharePoint Security fixes released with the March 2018 PU.

Fixed Issues

Description	Work Item
Resolved issue with orphaned Replicator features.	321437
Resolved issue where inbound packages with ListItemAdd event were failing with an "Access Denied" error.	344463
Resolved issue where user was receiving an "Access Denied" error when attempting to complete the update of a WebPart.	345962

Resolved issue where updated files in differential compression were not applying changes.	346366
Resolved issue where users were receiving an “Access denied” error on inbound packages, with the event notifications failing to apply.	346688

Version 7.4.1803

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

Features

Pausing and Starting Map Families

Implemented the ability to pause and un-pause map families via the Configure Map Family page.

Additions to Monitoring Replicator Page

A new KPI has been added to the Monitoring Replicator page, which allows users to track map families that have been paused.

Support for SharePoint CU

- Added support for the SharePoint 2013, February 2018 CU.
- Added support for the SharePoint Server 2016, February 2018 CU.

Support for SharePoint Security Fixes

Added support for SharePoint Security fixes released with the February 2018 PU.

Fixed Issues

Description	Work Item
Resolved issue where list items from a List with the same name as the website URL were failing to find their corresponding list on the target.	341120

Version 7.4.1802

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

Features

Support for SharePoint CU

- Added support for the SharePoint 2010, January 2018 CU.
- Added support for the SharePoint 2013, January 2018 CU.
- Added support for the SharePoint Server 2016, January 2018 CU.

Support for SharePoint Security Fixes

Added support for SharePoint Security fixes released with the January 2018 PU.

Fixed Issues

Description	Work Item
Resolved issue where Maps with no name were unable to reset.	334167
Resolved issue where packages on inbound were in a [package pending] state and error.	334374
Resolved issue where folders with _ as part of the name were not replicated.	337120
Resolved issue where the Connection column heading displayed the incorrect order for the displayed list.	328392

Version 7.4.1801

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

Features

Support for SharePoint CU

- Added support for the SharePoint Server 2016, December 2017 CU.
- Added support for the SharePoint 2013, December 2017 CU.

Support for SharePoint Security Fixes

Added support for SharePoint Security fixes released with the December 2017 PU.

Fixed Issues

Description	Work Item
Resolved issue with MaxLength limit on the MapName column in the replication packages table.	331412

The following tables describe the hardware, software, and access requirements for Metalogix Replicator. If our requirement is equivalent or less restrictive than a SharePoint requirement, then we do not document it here.

Hardware Requirements

Component	Requirement
Processor	Under normal circumstances, the Replicator processor requirements are the same as SharePoint. When replicating large amounts of SharePoint content, Replicator uses a greater amount of CPU capacity. The expected load is comparable to up to 10 full time users accessing the web front end.
Memory	Replicator Basic and Standard editions require at least 1.25 GB of available memory.

Component	Requirement
	<p>Replicator Enterprise Edition requires at least 1.5 GB of available memory.</p> <p>Additionally, ensure there is approximately 10 times the size of the largest file you expect to replicate in available memory.</p> <p>For example, if you are using Replicator Standard Edition and expect to replicate files that are 25 MB and smaller, then you should have 1.5 GB (1.25 + 10 x 0.025) of available memory for Replicator.</p>
Disk Space	<p>At least 500 MB of free disk space in the %TEMP% folder of the server where Replicator is installed.</p> <p>At least 20 GB of free disk space in a shared network folder. This is for your Replicator Data Folders. This number is a rough guideline and is affected by how frequently changes occur in your SharePoint environment, how often packages are cleared, and several other Replicator configuration settings.</p> <p>At least 4 GB of free disk space in SQL Server is required where the SharePoint configuration database is stored.</p>

Software Requirements

Component	Requirement
Operating System	<p>Any of:</p> <ul style="list-style-type: none"> • Windows Server 2022 • Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012
SharePoint	<p>Any of:</p> <ul style="list-style-type: none"> • Microsoft SharePoint Server Subscription Edition • Microsoft Office SharePoint Server 2019 • Microsoft Office SharePoint Server 2016 • Microsoft SharePoint Server 2013 • Microsoft SharePoint Foundation 2013 • Microsoft SharePoint Server 2010 • Microsoft SharePoint Foundation 2010 • Windows SharePoint Services 3.0 • Microsoft Office SharePoint Server 2007 <p>Replicator does not support SharePoint standalone installations. The SharePoint standalone installation option includes a built-in database and restricts your SharePoint environment.</p>

Component	Requirement
	Replicator does not support the use of the built-in Network Service account as your SharePoint farm application pool account.
Database	<p>Any of:</p> <ul style="list-style-type: none"> • SQL Server 2022 • SQL Server 2019 • SQL Server 2017 • SQL Server 2016 • SQL Server 2014 • SQL Server 2012 • SQL Server 2008 R2 • SQL Server 2008 • SQL Server 2005 <p>Replicator does not support any database installed automatically by the SharePoint installer. Refer to Migrate content databases from Windows Internal Database to an instance of SQL Server for more information.</p>
Ports	Ports 7357 and 7358 must be available for Replicator interprocess communication on the server where you install Replicator. If these ports are not available, then contact Metalogix Support for further instructions.
Windows PowerShell	If you want to run Replicator administration commands in Windows PowerShell, then you must install PowerShell before installing Replicator.
Remote Differential Compression	<p>To use Differencing Compression with Replicator, you must install the Remote Differential compression feature on servers in each farm where Replicator is installed.</p> <p>In Windows Server 2012, 2012 R2, 2008 R2, 2008, and 2016 this can be done from Server Manager.</p> <p>On Windows Server 2003, you must download and install the feature from http://download.microsoft.com.</p>

Access Requirements

Component	Requirement
Installing User	<p>The Replicator installer must be run under a user account that is:</p> <ul style="list-style-type: none"> • A member of the Local Administrators group on each server in the farm that replicator functionality will be deployed to. • A member of the Central Administration Application Pool. This is usually the Farm Admin account. • "Db_owner" of the SharePoint Config DB in SQL Server, as well as a "dbcreator", "securityadmin", and member of the "public" role.

Component	Requirement
	This applies to all servers in the farm running either the Windows SharePoint Services Web Application service, or the Microsoft SharePoint Foundation Web Application service.
Application Pool Accounts	<p>If you have different application pool accounts for Central Administration and your web applications, then add the user to the SharePoint configuration database and grant them the "public" role. This is done because permissions are copied from the SharePoint configuration to the replicator databases.</p> <p>Although this change can be done manually after installing Replicator, it is much simpler to grant these permissions prior to installation.</p>
Server Access	HTTP or HTTPS access to all replication servers, without proxies requiring a separate login.
SharePoint Access	Access to the Windows SharePoint Services SQL servers, via NTLM or Kerberos.
Firewalls	If there is a firewall separating the farms, then you must configure the firewall to allow servers in one farm to access a web front end in the other farm.
Activation	<p>Replicator activates your license key during its installation by contacting a Quest server. Replicator will periodically refresh the activation as it runs.</p> <p>For customers without an Internet connection or who want to review the information that is being sent to Quest, offline activation is available. Installations using offline activation must be manually refreshed every 365 days. For more information, see the ActivateOffline command in the Replicator Command Line Reference Guide.</p>
Replicator Service	The user you run replication services under must be a Central Administration Application Pool user.
Server Manager	IIS 6 Metabase Compatibility Server Role must be enabled in Server Manager so that Replicator Configuration wizard can check prerequisites.

Availability Requirements

Component	Requirement
IIS and SharePoint	Replicator deploys solutions to the Central Administration and Web Front-end servers and must restart IIS to do this. A brief service outage will occur on these servers during the deployment process.

Product Licensing

For an overview of how to activate license keys both offline and online, refer to the [Metalogix Replicator Advanced Installation Guide](#).

Third Party Contributions

This product contains the following third-party components. For full text of third-party license information, see <https://www.quest.com/legal/third-party-licenses.aspx>.

Component	License or Acknowledgment
DevExpress WinForms 19.1	Use of this component is governed by the following licenses: <ul style="list-style-type: none">• jQuery JavaScript Library (Open Source - MIT License) Copyright © jQuery Foundation and other contributors• jQueryUI JavaScript Library (Open Source - MIT License) Copyright © jQuery Foundation and other contributors• Knockout JavaScript Library (Open Source - MIT License) Copyright @<ul style="list-style-type: none">- http://knockoutjs.com/- https://opensource.org/licenses/mit-license.php.• Globalize JavaScript Library (Open Source - MIT License) Copyright © Software Freedom Conservancy, Inc.• Ace (Ajax.org Cloud9 Editor) (Open Source - BSD License) Copyright © 2010, Ajax.org B.V.• JS Beautifier (Open Source - MIT License) Copyright © 2007-2013 Einar Lielmanis and contributors• CodeMirror (Open Source - MIT License) Copyright © 2015 Marijn Haverbeke
Microsoft.Net.Compilers 1.0.0	Use of this component is governed by the Microsoft Software License © Copyright .NET Foundation. Roslyn Team and Microsoft 2015
Microsoft.Net.Http 2.2.29	Use of this component is governed by the Microsoft Software License © Microsoft Corporation. 2015
Microsoft.Odata.Core 7.2.0	Use of this component is governed by the Microsoft Software License © Microsoft Corporation 2017
Microsoft.Odata.Edm 7.2.0	Use of this component is governed by the Microsoft Software License © Microsoft Corporation 2017
Newtonsoft.Json.dll 7.0.1	Use of this component is governed by the MIT NA License © James Newton-King 2007

OfficeDevPnp.Core.dll 3.7.1903	Use of this component is governed by the MIT License © Microsoft Corporation. All Rights Reserved.
Renci SSH.NET.FIPS 2020.0.1.1	Use of this component is governed by the Open Source Initiative OSI - The MIT License (MIT) 2012
SharpZipLib 0.86.0.518	Use of this component is governed by the MIT License © 2000-2018 SharpZipLib Contributors
Telerik RadControls for ASP.NET AJAX 2017.3.913.45	Copyright Notice - Telerik RadControls for ASP.NET AJAX 2017.3.913.45
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