Quest

Metalogix® Replicator 7.4

Offline Replication

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Legend

CAUTION: A caution icon indicates potential damage to hardware or loss of data if instructions are not followed.

IMPORTANT, NOTE, TIP, MOBILE OR VIDEO: An information icon indicates supporting information.

Metalogix® Replicator

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Summary

In common replication scenarios, there is a live network connection between web applications, which Replicator uses to transport Replication Packages. In some cases, this connection may not be available, either because of geography, network or security restrictions. If there is no connection between a pair of replicating web applications, then you can use Metalogix Replicator in offline mode to replicate changes.

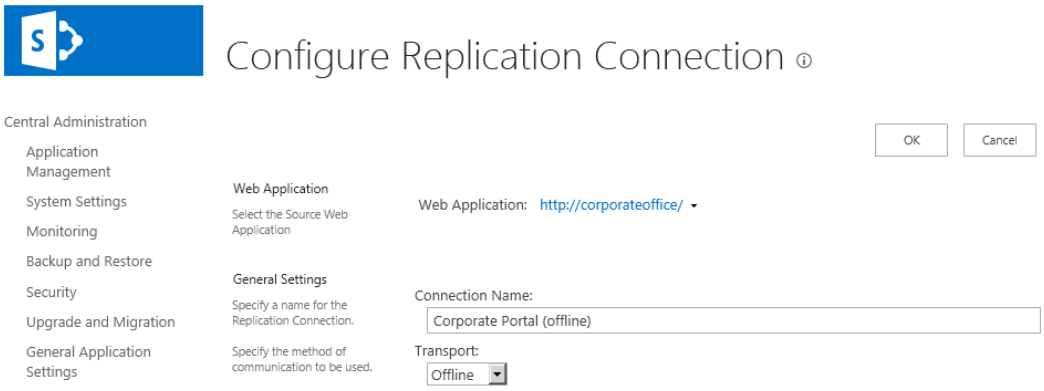
This article describes the steps you must perform to configure Metalogix Replicator for offline replication. After configuring replication, the document will then explain the commands you must run to export and import replication packages on the source and target web applications, respectively.

2

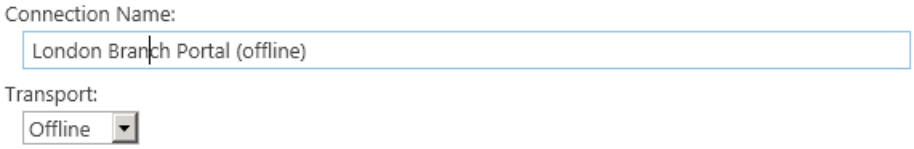
Configuring Replicator

Offline replication only affects how you configure your Replication Connections between web applications. All other aspects of configuring and managing Replicator are unchanged. Building from the basic configuration steps described in the *Metalogix Replicator Quick Start Deployment Guide*, configure offline replication as follows:

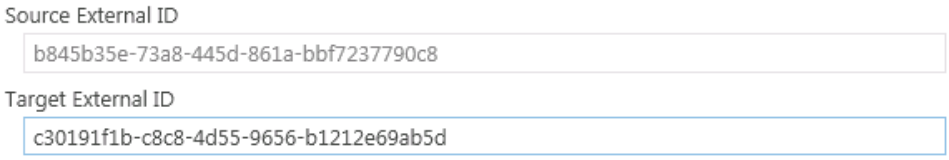
1. Enable the source and target web applications for replication.
2. Create a connection on the source web application. On the Configure Replication Connection page, under General Settings, select Offline transport.



3. Create a connection on the target web application.



4. Specify the ID of the Target External ID. If it is not known at this point, it can be provided during the import procedure. The Target External ID can be found on the Configure Web Application page for that web application.



5. Map the SharePoint content you want to replicate by creating a Map Family.

As Replicator queues and captures events for these web applications, it creates Replication Packages. These packages can be seen on the Monitor Replication page and will have a Global Status of Active, indicating that the packages have not been exported.

Direction	Map Name	Replication Group Name	Classification	Local Status	Status Date (Local Time)	Global Status	Queue Set Name	Created Date (Local Time)	
Outbound	Portal Map Family - / - Web Application	Branch Offices Group	Normal	Completed	10/22/2012 4:01:16 PM	Active	Captured	10/22/2012 4:01:13 PM	✕
Outbound	Portal Map Family - / - Web Site	Branch Offices Group	Normal	Completed	10/22/2012 4:03:31 PM	Active	Captured	10/22/2012 4:03:20 PM	✕
Outbound	Portal Map Family - / - Web Site	Branch Offices Group	Normal	Completed	10/22/2012 4:03:42 PM	Active	Captured	10/22/2012 4:03:33 PM	✕

Once packages are available for export, refer to the following sections for instructions on exporting and then importing the packages.

3

Exporting Replication Packages

To export Replication Packages to disk, perform the following tasks:

1. Open Replicator Management Shell as an administrator.
2. From the Replicator installation directory, run the following command to export all waiting packages:

   PS>Export-ReplicatorPackages -Url <WebAppUrl>
   -Connection <ConnectionName> -ExportPath <Directory>

You cannot export packages to the same directory more than once. If the directory you specify does not exist, then the command will create it. For more information on this command, see *Metalogix Replicator Command-line Operations Guide*.

Example

PS>Export-ReplicatorPackages -Url http://corporateoffice
-Connection "Corporate Portal (Offline)" -ExportPath c:\export\day1

Operation started at 8/2/2011 1:07:46 PM.
Exporting - 16bb191d-bb7a-4749-9e5b-79bce3255d9d.zip
Exporting - 6101a3d9-a638-4fc8-b805-e7973d260386.zip
Exporting - 019b1061-dc42-4ee1-bae5-44bf2bb6ff4b.zip
Operation completed at 8/2/2011 1:07:55 PM.

Importing Replication Packages

It is important to import each group of Replication Packages in the same order each group was exported. If you run the Export-ReplicatorPackages command more than once between Export-ReplicatorPackages commands, then ensure you are importing from the directories in the order in which the packages were exported. Using a naming convention when you export packages can help ensure they are imported in the correct order.

To import Replication Packages from disk, perform the following tasks:

1. Copy the directory with the exported packages to the target server where Replicator is installed.
2. Open a Replicator Management Shell window as an administrator.
3. From the Replicator installation directory, run the following command to import all packages from the directory.

   PS> Import-ReplicatorPackages -Url <WebAppUrl>
   -Connection <ConnectionName> -ExportPath <Directory>

For more information on this command, see *Metalogix Replicator Command-line Operations Guide*.

Example

PS>Import-ReplicatorPackages -ImportPath c:\import\day1
-Url http://londonoffice -Connection "London Branch Portal (Offline)"

Operation started at 8/2/2011 4:33:36 PM.
Importing - 16bb191d-bb7a-4749-9e5b-79bce3255d9d.zip
Importing - 6101a3d9-a638-4fc8-b805-e7973d260386.zip
Importing - 019b1061-dc42-4ee1-bae5-44bf2bb6ff4b.zip
Operation completed at 8/2/2011 4:33:43 PM.

Applies To

- Metalogix Replicator for SharePoint version 4.1, build 3375 and higher