

Metalogix® Replicator 7.4

## Reference Guide



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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

Updated September 2023

Version 7.4

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# Metalogix Replicator Documentation

Metalogix Replicator documentation ships with the Metalogix Replicator distribution. It is also available at the Metalogix Product Resource Center, <http://documents.quest.com/Metalogix-Replicator>.

The Metalogix Replicator documentation set consists of the following guides:

## **Whats New**

The Whats New document provides an overview of all the new and improved features available in Replicator within the editions.

## **Product and Concepts Guide**

The Product and Concepts Guide provides a high-level overview of Metalogix Replicator and describes new features introduced in this release.

## **Quick Start Guide**

The Quick Start Guide guides you through a basic installation and configuration of Replicator. After completing this guide you will have a working Replicator Network where changes made on one web application are automatically replicated to the other. You will be able to move onto the Evaluation Guide to perform various Metalogix Replicator scenario tests on your environment.

## **Advanced Installation Guide**

The Installation Guide guides you through installation, uninstall, and upgrading of Metalogix Replicator in various SharePoint farm configurations.

## **Evaluation Guide**

The Evaluation Guide guides you through various Metalogix Replicator scenarios, provided for the purpose of reviewing Replicator within your own SharePoint environment. Prospective Clients are encouraged to use this guide to test Replicator.

## **Reference Guide**

The Reference Guide describes the operations and user interface available to replication administrators through the SharePoint Central Administration and Site Administration pages.

## **Command-line Reference**

The Command-line Reference describes the Windows PowerShell commands you can use to configure and maintain your Replication Network.

## **Scenario Guides**

Scenario Guides describe specific product features and how to implement and configure them for your SharePoint environment.



# Replicator Central Administration

The Replicator Central Administration is located on Central Administration > Application Management as shown below.



Metalogix Replicator

[Configure web application](#) | [Manage replication groups](#) |

[Manage replication connections](#) | [Manage classifications](#) |

[Manage map families](#) | [Monitor Replicator](#) | [About Replicator](#)

Each of these links is described below.

## Configure Web Application

The Configure Web Application page allows you to configure basic Replication settings for the currently selected Web Application. Use local Configure Web Application to enable Replicator for specific Web Applications.

## Manage Replication Groups

The Manage Replication Groups page allows users to create a group to collect the Replication Connections that will be used in the Map Family.

## Manage Replication Connections

The Manage Replication Connections page allows users to create and manage a network path over which queued items and replication packages are transferred from a source web application to a target web application as part of package transfer.

## Manage Classifications

The Manage Classifications page allows a user to set the level of importance that a web application has in terms of ordering replication. You can also add classification levels on this page.

## Manage Map Families

The Manage Replication Map Families page allows users to create a hierarchical collection of replication maps where the hierarchy corresponds to the natural SharePoint hierarchy. For example: Web Application > Site Collection > Root Web Site > Child Web Site.

The top-most replication map in a map family is referred to as the root map. All of the maps in a map family share a set of common properties, such as a replication schedule and replication group, if selected.

Map Families can be created and managed from the Central Administration page, as well as the Site Settings page.



**NOTE:** Map Families administration through the Site Settings page is limited to site collections and web sites. All administration for web application map families must be done through the Central Administration page.

## Monitor Replicator

The Monitor Replicator page allows users to monitor all aspects of replication. It contains monitoring of replication events, monitoring of conflicts, the Replicator status page, and the replicator event processing log. From this section you can perform various maintenance and monitoring tasks.

## About Metalogix Replicator

The About page shows the current version of Replicator and allows users to enter and change license keys.

## Opening Central Administration in UAC-enabled Environments

On servers where Windows User Account Control (UAC) is enabled, SharePoint limits the capabilities of Central Administration when you access Central Administration locally in a browser window. When configuring Metalogix Replicator from the server running Central Administration, you must open the Central Administration web page in one of the following ways:

- Start Central Administration from the Windows Start Menu.

Open a browser window as an Administrator and open Central Administration.



# Configure Web Application

The settings on this page affect the currently selected Web Application. These settings specify the replication details of this local Web Application. Each of the entries is detailed below.

## Configure Web Application ⓘ

Metalogix Replicator

**Web Application**

Select the Source Web Application

Web Application: <http://corporateoffice/> ▼

**General Settings**

Enter a name to be used to identify this Web Application.

Specify if replication is enabled for this Web Application.

**Domain and User Remapping**

If domain remapping is enabled, domain names in an inbound Package will be remapped to the specified domain name. Domain remapping settings will only apply to Windows based authentication providers.

If a user account in an inbound Package cannot be found in this Web Application, use the Site Collection Owner account instead of the System Account.

Web Application Friendly Name:

Enable replication for this Web Application:

☒ Yes ☐ No

Enable domain remapping:

☐ Yes ☒ No

Remap domain names in inbound Packages to:

Remap unknown inbound user accounts to:

☒ Site Collection Owner ☐ System Account

## Web Application

The Web Application list indicates the Web Application affected by any alterations to the settings on the Configure Web Application page. If other Web Applications exist, they can be selected from the list.

**Web Application**

Select the Source Web Application

Web Application: <http://corporateoffice/> ▼

## General Settings

Configure the following options as required.

## Web Application Friendly Name

When this parameter is set, it populates the Name column for the Web Application during search requests. For example, the Web Application <http://corporateoffice.com> could benefit from a Friendly Name such as Finance Web.

Web Application Friendly Name:

## Enable Replicator

This parameter is effectively an on-off switch for Replicator. When **Yes** is selected, replication can occur and other setting options throughout Replicator will be active. When **No** is selected, no replication will occur.

Enable replication for this Web Application:

☒ Yes ☐ No

## Configuring Replicator in UAC-enabled Environments

If Windows User Account Control (UAC) is enabled on the Central Administration server or any of the web front-end servers in your farm, then you may need to perform additional tasks to configure each Web front-end for replication. This section describes the situations that may require additional configuration after you click the OK button on the Configure Web Application page.

If you are configuring Replicator in a single-server farm, then there are no additional tasks you must perform. When you click OK, Replicator will automatically configure your farm to enable replication for this web application.

If you are configuring Replicator in a multiple-server farm, then see [Configuring Metalogix Replicator in UAC-enabled Environment](#) for further instructions.

## Domain and User Remapping

These parameters are used when Inbound Packages are remapped to a different domain. When Remap Domain is selected, the original domain name associated with Inbound Packages is replaced with the name specified in the Remap domain names in the **Inbound Packages to:** field.

If user information in the Inbound packages cannot be found, use the Enabling remapping to Site Owner option to use the site owner information instead of the system account information.

Enable domain remapping:

☒ Yes ☐ No

Remap domain names in inbound Packages to:

Corporate

Remap unknown inbound user accounts to:

☒ Site Collection Owner ☐ System Account

Enable user remapping table:

☐ Yes ☒ No

## Enable Domain Remapping

If you are replicating content to this web application from a different Active Directory domain and want to have Replicator automatically remap content to the current domain, then select **Yes** under **Enable domain remapping** and specify the domain you want to use in the **Remap domain names in inbound Packages to** field.

## Remapping to Site Owner

By default, Replicator tries to maintain the user accounts associated with replicated content. However, if the incoming user account cannot be found on the server, user accounts will be set to one of the following accounts: **Site Collection Owner** or **System Account**, you can select which of the two you prefer. If Site Collection Owner is selected, the user IDs that cannot be resolved are remapped to the site owner instead of the system account.

## User Remapping Table

If Enable user remapping table is set to Yes, user IDs are cross referenced against the User Lookup table to resolve new user IDs associated with SharePoint entities.

Use PowerShell commands to manage entries in the User Lookup table.

## Maintenance Settings

Maintenance settings specify how Replicator is to perform basic housekeeping activities.

## Retain Completed Packages

This parameter allows users to specify how long completed packages are retained before being cleared from the monitor page. The default setting is to clear them immediately.

Retain completed packages for:

One Day ▼

**Note:** This setting affects only Packages that have reached a status of Applied Complete. All other packages, including failed and incomplete packages, remain in the monitor page until manually cleared.

**i** **NOTE:** Metalogix recommends selecting a retention period long enough to maintain a complete history of packages. Longer retention periods can maximize the MDC cache at the expense of disk space in the Replicator Data Folder.

## Log Maintenance Interval

This section allows you to specify if the maintenance interval for clearing or archiving the Replicated Events Log is defined in days or in the number of log entries.

Replicated Events Log Maintenance Interval:

☒ Days ☐ Log entries

## Event Processing Log

This section allows you to determine the number of days the transaction log history is maintained, before it is automatically cleared or archived. The list allows you to select 5, 30, 60, or 90 days.

Clear or archive the Replicated Events Log after:

5  Days


## Archiving

This section allows you to specify if the Replicated Events Log entries should be archived, and how you wish to archive them via file system or SFTP upload.

### **Archiving Off**

If archiving is off then a rolling log will be maintained with entries being cleared based on the specified maintenance interval.


Archive the Replicated Events Log:

Off 

### **Archiving File System**

If file system is selected as your archiving option, then the Replicated Events Log will be archived in your file system and cleared at the specified maintenance interval.

Archive the Replicated Events Log:

File System 

Once this option is selected, you must complete the following fields:

### **Archiving Path**

For this option you must enter an archiving path leading to the folder where you wish the archived events logs to be kept. Make sure that there is plenty of disk space available at this folder location. Perform periodic maintenance on the Replicated Events Log archive to assure that the disk does not fill up.

Replicated Events Log archive path:

\\SVS-2013\Replicator\_Data\Logs

### **Archiving SFTP Upload**

If SFTP Upload is selected as your archiving option, then the Replicated Events Log will be uploaded and archived on an SFTP server and cleared at the specified maintenance interval.

Archive the Replicated Events Log:

SFTP Upload ▼

Once this option is selected, you must complete the following fields:

#### **Replicated Events Log SFTP Server Host**

Enter the DNS name for the SFTP Server Host for the Replicated Events Log.

DNS name for SFTP server host:

#### **Port**

This field displays the port number used by the SFTP Server. The default is set to 22. Make sure that the firewall is open on this port to assure SFTP communication.

Port:

22

#### **User Name**

Enter the username for the user that has permissions to connect to the SFTP Server Host running in the Replicator service.

User Name:

#### **Authentication Type**

Select the type of authentication you would like to use for access to the SFTP Server Host

Authentication Type:

☒ Password Authentication ☐ Public Key Authentication

#### **Password**

Complete this field if you selected Password Authentication as your Authentication Type. Enter the password for the user name specified above.

Password:

#### **Private Key**

Complete this field if you selected Public Key Authentication as your Authentication Type. Either browse to upload the private key information for the user specified above, or enter the private key information for the user name specified above.

Private Key:

Browse...

Upload Private Key

### Upload Path

Enter the upload path to a file on the SFTP Server, where Replicator will archive Replicator Event Logs.

Upload Path:

## Package Processing Settings

The event processing settings allow you to control how outbound and inbound events are handled for this web application.

Enable event capture for the Replication Maps on this Web Application:

☒ Yes ☐ No

Pause inbound and outbound package processing for this Web Application:

☐ Yes ☒ No

## Capture Events

To have Replicator capture SharePoint events, select **Yes** under **Enable event capture for the Replication Maps on this Web Application**. Otherwise, select **No**.

You can still replicate content by explicitly queuing replication maps. Queuing content is not affected by this setting.

## Pause Package Processing

To pause replication for this web application, select **Yes** under **Pause inbound and outbound package processing for this Web Application**. To resume replication, select **No**.

When paused:

- Replicator continues to capture and package events from this web application for replication, but will not transfer the packages to other web applications. These packages will appear on the outbound Monitor Replication page with a NewPackage state and Active status.
- Replicator continues to accept and transfer inbound packages from other web applications, but does not apply these changes on the paused web application. These packages appear on the outbound Monitor Replication page with a TransferComplete state and Waiting status. These packages appear on the inbound Monitor Replication page with a TransferComplete state and Active status.

When replication resumes, outbound packages are transferred and inbound packages are applied to the web application.

## Replicator Data Folders

The Replicator Data Folders section allows users to specify local folders that Replicator will use to store Package information. Please note that changing the location of the Replicator data folders affects replication for any inbound and outbound packages that have not completed processing. If you have active packages in the data folder and change the folder location, then you must also copy any existing packages from the old folder to the new one.

Package Data Path:

DC Cache Path:

☒ Replicator Data Folders are on a network file server:

User Account:

Password:

**Note:** If UAC is enabled on the Central Administration server or any of the web front-end servers for this farm, then you may need to manually perform additional tasks to configure the front-end servers when you modify the Replicator Data Folders. For more information, see [Configuring Metalogix Replicator in UAC-enabled Environments](#) for further instructions.

## Package Data Path

Replicator uses the package data path to store both outbound and inbound packages intended for replication.

The default path was specified when Replicator was originally installed and configured. If you want to specify a different path, then change this value.

## DC Cache Path

The cache path is the location that Replicator uses to store cache information for Differencing Compression (DC).

The default is set during installation and configuration of Replicator. If another location is required, enter it here.

## Replicator Data Folders are on a Network File Server

The Replicator Data Folders must be accessible by all web front-end servers that serve this web application. When there are multiple web front-end servers, then the data folders must be specified as a UNC path. If you have specified data folders as UNC paths, then select **Replicator Data Folders are on a Network File Server** and enter the credentials for an account that has permission to read from and write to the folders.

## User Account

The user name for an account that has permission to read from and write to the Replicator Data Folders.

## Password

The password for the Replicator Data Folder account.

## Advanced Settings

These settings allow you to apply advanced settings, such as passcodes, to your content.

## External ID

The External ID is the form of identification used for package communication. It is required for the use of offline transport connections.

External ID:  
b1e79eba-b3f2-4a15-86d9-941bacdb94a5

## Replicator Passphrase

The Replicator Passphrase is a password that can be set in order to further secure a connection. If set, then the Passphrase will be required for any connection on this web application. The Passphrase is also used for allowing Replicator access to a firewalled target, in the case of a firewalled target it is required.

Replicator Passphrase:

Confirm Replicator Passphrase:



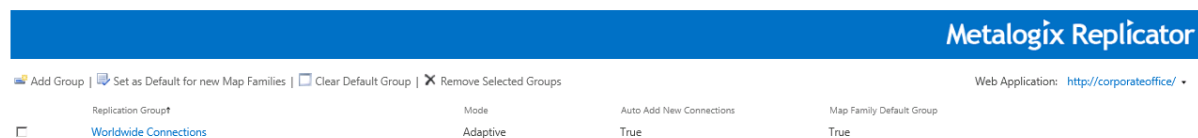
# Manage Replication Groups

Use the Manage Replication Group page to complete the following tasks:

- Add a new Replication Group
- Delete an existing Replication Group
- Set a current Replication Group as the default
- Clear Default Group

This page also displays a list of available Replication Groups and their associated parameters, such as whether or not they allow custom binding or new connections automatically added to the Group. You can access the Configure Replication Group page by clicking the Group name.

Manage Replication Groups 



Refer to the following table for information on the Manage Replication Group screen.

Parameter	Description
Web Application	Select which Web Application is being configured.  To change the Web Application, click the field and select another Web Application from the list.
Replication Group	Displays the Replication Group name and links to Configure Replication Group page.
Mode	This is the mode of Replication set for this Replication Group.
Auto Add New Connections	Indicates whether new Replication Connections will automatically become members of this Group.
Map Family Default Group	Indicates whether this Group is automatically added as a member when creating a new Map Family.

# Actions

The following section provides a description of the various actions that can be taken on the Manage Replication Groups page.

## Add Group

This action allows you to create a new Replication Group. Clicking this link opens the Configure Replication Group page.

## Set as Default for new Map Family

This action allows you to specify which Replication is used as the default Group. When creating Map Families, the default Replication Group is automatically selected as the replication Group for the Map Family.

## Clear Default Group

This action clears the default Replication group so no Group is used as default.

## Remove Selected Group

This action allows you to delete an existing Replication Group.

## Update Replication Group

The action of selecting the Replication Group name opens the Configure Replication Group page so that the settings can be updated.

## Web Application

The Web Application section allows you to change the Web Application for which the settings are applied.



**NOTE:** Select the desired web application here, prior to choosing Add Group or choosing an existing Replication Group to update.

## Configure Replication Group

The Configure Replication Group page is opened by selecting the Group name on the Manage Replication Group page.

## Configure Replication Group ⓘ

Metalogix Replicator

OK

Cancel

Web Application

Select the Source Web Application

Web Application: http://corporateoffice/

Replication Group Settings

Specify a name for the Replication Group.

Select the Direct mode to replicate packages only using defined connections or the Adaptive mode to have Replicator find the best path between pairs of connected web applications.

For groups using Adaptive mode, select the connection to use as a template for group-wide settings. Some settings, like conflict handling and compression, from this connection will be used for all connections in the group regardless of how they are set for the other connections.

Specify if new Replication Connections will automatically become members of this group. This setting can be enabled for more than one group per web application.

Replication Group Name:

Worldwide Connections

Adaptive Mode Connection Template:

Automatically add new Replication Connections to this Group:

☒ Yes

☐ No


## Web Application


The desired Web Application must be chosen in the Manage Replication Groups screen. You will not be able to change the Web Application while Configuring a Replication Group.

## Replication Group Settings

This section allows you to specify the general settings for a Replication Group.

Replication Group Name:

Replication Mode:  
 

Adaptive Mode Connection Template:  


Automatically add new Replication Connections to this Group:  
☐ Yes ☒ No

Enable Custom Binding:  
☐ Yes ☒ No

## Replication Group Name

This field identifies the Replication Group name which is used to identify the Group throughout Replicator.

You cannot change the name of a Replication Group after using it with a Map Family.

## Replication Connections

This section displays the available Replication Connections, and the Selected Replication Connections. Using the >> arrows you can select an available replication connection, moving it into the Selected Replication Connections box. You can use the << arrows to deselect a selected replication connection.

The headings **Available Replication Connections** and **Selected Replication Connections**, once clicked, will sort the connection names in the list alphabetically.



## Replication Map Families

The Replication Map Families section lists all map family names, their scope and their Root Replication Map URL.

Map Family ↑	Scope	Root Replication Map URL
Portal Map Family	Web Application	http://corporateoffice/

# Manage Replication Connections

This page lists the configured Replication Connections and provides links that allow you to add, modify, or delete Replication Connections.

Manage Replication Connections ◉

Refer to the following table for information on the Manage Replication Connections screen.

Parameter	Description
Web Application	Select which Web Application is being configured. To change the Web Application, click the field and select another Web Application from the list.
Connection	Displays the Replication Connection name and links to the Configure Replication Connection page.  <b>NOTE:</b> that the check box prior to the connection name indicates whether replication attempts have been paused due to packages with errors.
Target	Displays the URL address of the Connection. The address may be longer than the space allowed, and the field might need to be enlarged to view the whole address.
Priority	This is the priority that has been assigned to the replication connection.
Transport	This is the transport method used by the replication connection.
Compression	This is the compression method used by the replication connection.
Replication Groups	Indicates which Replication Group this Connection belongs to.

Parameter	Description
Package Processing	<input type="checkbox"/> Indicates whether or not Replication Events are captured for Package transfer. If disabled, Events are not packaged for Outbound Processing.  <input type="checkbox"/> Indicates whether or not Inbound Packages are accepted. If disabled, Inbound Packages will not be accepted through this Connection.
Conflict Setting	Indicates how this connection handles inbound conflicts.
Status Message	Provides a time stamp of when attempts at replicating packages with an error were paused.

Click **Add Connection** in order to configure a new Replication Connection. Select a Connection from the Connection list to edit its values. In both cases, the Configure Replication Connection page opens.

Select one or more Connections from the list and click **Remove Selected Connections** to delete connections.

If you delete a connection that is used in an existing map family and the map family includes customizations for that connection, then those customizations will be lost when you delete the connection. If you recreate the connection at a later time, then it will be created and added to any relevant map families using the default settings. Any additional customizations must be made after recreating the connection.

## Configure Replication Connection

On the Manage Replication Connections Page, after selecting **Add Connection**, the Configure Replication Connection page appears. Use the Configure Replication Connection page to create or edit existing Replication Connections.

# Configure Replication Connection ⓘ

Web Application

Select the Source Web Application

Web Application: <http://corporateoffice/> ▼

General Settings

Specify a name for the Replication Connection.

Specify the method of communication to be used.

Connection Name:

Corporate to London

Transport:

BITS ▼

OKCancel

## Web Application

The following is a list of the contents in the Web Application section of the page.

## Web Application

This parameter indicates which Web Application the Connection is being defined for. To change the Web Application, click the field and select another Web Application from the list.

Web Application: <http://corporateoffice/> ▼

## General Settings

The following is a list of the contents found under the general settings section.

## Connection Name

Enter a descriptive name for the connection. This name is used in configuration and monitoring pages to identify the connection.

Connection Name:

Corporate to London

Transport:

BITS ▼

## Transport

Select a transport method. You can choose between BITS, Offline, or SFTP.

### BITS

### BITS

If a network connection exists between the servers on either end of this connection, then select **BITS**. BITS allows Replicator packages to be transferred. Replicator communicates solely using the http or https protocols. Continue to the Target Web Application section below for the next steps.

### Offline

### Offline

Offline allows the user to transport replication packages using whatever method they choose. In this case, Replicator continues to compress content into packages, until the operator runs the Export-ReplicatorPackages PowerShell command. At that point the packages are marked as **Exported**.

Once the packages are delivered to the remote server, the operator runs the Import-ReplicatorPackages PowerShell command. At that point, the packages are decompressed from the Import directory, applied to SharePoint and the packages are marked as **Applied Complete**.

When Offline Transport mode is selected, you will be able to input the Offline Transport Settings. Input the Target External ID if it is known. If it is not, the Target External ID can be provided during the import procedure. This ID can be found on the Configure Web Application page for the web application in question.

Source External ID

5cae3b3e-ba62-4840-b30b-e793813aaf52

Target External ID

405c6487-251d-4c20-a8a3-1e547c9b32e8

### SFTP

### SFTP

SFTP connections use SFTP servers to replicate between two SharePoint farms.

This option provides you with a series of local and remote Transport Settings that must be entered:



## Local SFTP Server Settings

Specify the SFTP account name remote servers will use to connect to this SFTP server.

### Local SFTP Account Name

Specify the username for an account that can be authenticated on connections to the SFTP server.

Local SFTP Account Name:

### Authentication Type

Select the authentication type you would like to use for the above user.

Authentication Type:

☒ Password Authentication ☐ Public Key Authentication

### Password for Password Authentication

If Password Authentication was chosen as the authentication type, then you will fill in this field with the password to be used with the SFTP account name for connecting to this SFTP server.

Password for Password Authentication:

### Public Encryption Key for Public Key Authentication

If Public Key Authentication was chosen as the authentication type, then you can either upload a public encryption key or enter a public encryption key to be used with the SFTP account name for connection to this SFTP Server.

Public Encryption Key for Public Key Authentication:

Browse...

Upload Public Key

### Import Path

Specify a unique import folder name for this web application. Files uploaded to this SFTP server will be saved in this folder.

Import Folder Name:

Specify the connection information for the target SFTP server. The connection information includes the SFTP host name and port number.

### DNS Name

Specify the DNS name for the server hosting the target SharePoint farm.

DNS Name:

### Port

This is the port number used by the SFTP server. Typically the default port number is 22. Make sure that the firewall is open on this port to assure SFTP communication.

Port:

### User Name

Specify the SFTP account name that is authorized to connect to the target SFTP server.

User Name:

### Authentication Type

Select the authentication type you would like to use for the above user.

Authentication Type:  
☒ Password Authentication ☐ Public Key Authentication

### Password for Password Authentication

If Password Authentication was chosen as the authentication type, then you will fill in this field with the password for the SFTP Account on the target SFTP server.

Password for Password Authentication:

### Private Encryption Key for Public Key Authentication

If Public Key Authentication was chosen as the authentication type, then you can either upload a private encryption key or enter a private encryption key that matches the public encryption key on the target SFTP server.

Private Encryption Key for Public Key Authentication:

Browse...

Upload Private Key

### Target Import Folder Name

Specify the name of the import server name as defined on the target SFTP server. Files from this SFTP server will be saved to this location on the target SFTP server.

Target Import Folder Name:

Select the "**Update Outbound Package Status from Package Response File**" checkbox in order to enable the updating of the outbound global package status from a package response file, received from the target server.

☐ Update Outbound Package Status from Package Response File

Package Response File Folder Name:

In the **Package Response File Folder Name** section, provide the local folder name or path to where the target server will upload the package response file.

## Target Web Application

The settings within this section indicate the Connection information for the target Web Application.

**i** | **NOTE:** Target Web Application settings are only available when Transport is set to BITS.

Protocol:

DNS Name:

Port:

Domain:

User Name:

Password:

Target Replicator Passphrase:

☐ Ignore Remote Certificate Validation Warnings

## Protocol

Select either HTTP or HTTPS protocol, as required by the target web application.

## DNS Name

Specify the domain name of the web application you are connecting to. You must be able to access the other web application from the server where you installed Replicator using this name. For example, if your network requires fully qualified domain names, then you must specify a fully qualified domain name here.

## Server Port

Enter the port for the Target Web Application.

## Domain, User Name, and Password

Enter the credentials for an account on the target server that can authorize this connection. This account is also used to transfer Replication Packages to the Target Web Application and must have read and write access to the Replicator Data Folders on the target server.

## Target Replicator Passphrase

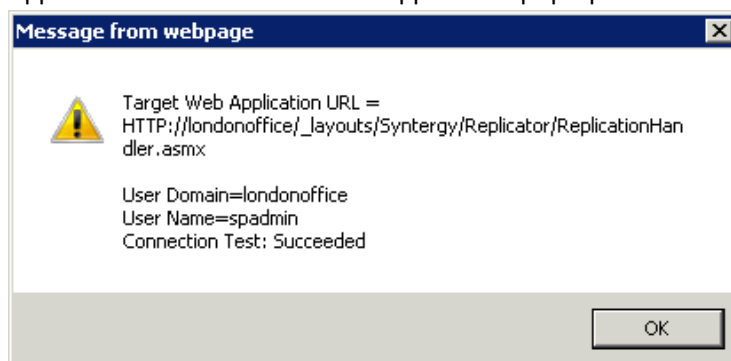
If the target web application has a Replicator passphrase, then you must specify it here. Otherwise, leave the Target Replicator Passphrase field blank. Firewall connections require the target web application has a Replicator passphrase.

## Ignore Remote Certificate Validation Warnings

If the Target Web Application uses HTTPS and its certificate results in a validation warning, then select this option. If this option is not checked and you test the connection, then you may see a trust relationship error. If the certificate is working properly, then this option instructs Replicator to ignore the warning and create the connection.

## Test Connection

Click **Test Connection** to immediately validate the information entered against the Target Web Application. The test results will appear in a pop-up window.



## Replication Groups

Replication Groups are used to group Connections with specified parameters. The Replication Group parameters are defined on the Configure Replication Group page. Replicator is installed with the default "Worldwide Connection".



To add a connection to a Replication Group, select the group from the **Available Replication Group** list and click >>. To remove a connection from a Replication Group, select the group from the **Selected Replication Groups** list and click <<.

The headings **Available Replication Connections** and **Selected Replication Connections**, once clicked, will sort the connection names in the list alphabetically.

## Conflict Settings

The Conflict Settings section allows you to specify what action should be taken for Inbound Packages when a conflict occurs on the Target Web Application. For example, the modified date content on an Inbound Event is older than the date on the Target Web Application.

When a conflict is detected:

- ☒ Skip Event - Do not apply inbound Events against matching content in local Web Application
- ☐ Apply Event - Apply inbound Events overwriting matching content in local Web Application
- ☐ Generate Conflict - Generate a report for inbound Events that match existing content. Pause replication until the conflict is resolved

When a conflict is detected:

☐ E-mail Web Site Administrator

☒ E-mail Item Updater

☒ E-mail Item Owner

☐ E-mail Specific E-mail Address

When conflicts occur, these settings govern how Replicator responds.

Setting	Description
Skip Event	Always keep current content by not applying the Inbound Package.
Apply Event	Always apply the incoming event and overwrite current content.
Generate Conflict	<p>Always generate a report and pause replication until the conflict is resolved.</p> <p>The conflict can be monitored and addressed under Monitor conflicts page, accessed from the Central Administration page.</p>

**i** **NOTE:** Conflicts occur on Inbound Events only. Conflicts are not identified by the Outbound Processing process.

## E-mail Notification

When conflicts occur, Replicator sends e-mail notifications to the Site Administrator, Item Updater, Item Owner or an alternative specified e-mail address.

**Note:** The outgoing e-mail settings must be configured in SharePoint in order to use this feature.

Email Option	Description
E-mail Web Site Administrator	An e-mail is sent to the site administrator when a conflict occurs.
E-mail Item Updater	An e-mail is sent to the person who updated the item when a conflict occurs.
E-mail Item Owner	An e-mail is sent to the named item owner when a conflict occurs.
E-mail Specific Address	<p>An e-mail is sent to a specific, named e-mail address, (such as the Help Desk or IT Department) when a conflict occurs.</p> <p>Enter email addresses in the adjacent field, separated by semicolons if there is more than one.</p>

## Compression Settings

Compression:

- ☒ Compressed
- ☐ None
- ☐ Differencing Compression (DC)

DC Size Threshold (in KB):

Compression settings allow Replication Packages to be reduced in size, if required. Reducing the size of Packages also reduces the amount of bandwidth required when sending them, but increases the amount of processor time and power required to process them, as they have to be shrunk and then expanded again.

Setting	Description
Compressed	Replication packages are compressed before they are sent in order to save bandwidth.

Setting	Description
None	No data compression.
Differencing Compression (DC)	<p>Differencing Compression (DC) allows data to be synchronized with a remote source using compression techniques to minimize bandwidth and network resources requirements. However, while it minimizes bandwidth usage, it requires the most CPU resources of all available methods.</p> <p>DC is useful for moving data across a wide area network when the data transmission costs outweigh the costs of increased CPU processing for compressing and expanding the files. This is most useful when there is a large amount of data being transferred and the actual changes in the data are small.</p> <p>DC works by creating a signature file on the Source Web Application then sending it to the Target Web Application. The Target Web Application then creates a signature file, compares the two files and sends a file back to the source telling the source what bits it needs from the file.</p> <p>For example, a Word document is modified on the source by changing one word in the document after the signature comparison is complete. Only the part of the file that changes is replicated, resulting in significant bandwidth savings.</p> <p><b>Note:</b> DC requires the most CPU resources of these compression modes and increases the amount of time required to process packages.</p> <p><b>Note:</b> If the connection is in a direct group, then Remote Differential Compression (RDC) is used. If the connection is in an adaptive group, then Metalogix Dynamic Compression (MDC) is used. It is important to note that MDC depends on data found in the Packages Replicator Data folder. If the "retain completed packages for" section is set to a shorter period of time or if you manually clear packages on the Monitor Replication page, then you may end up removing packages used by MDC to reduce the total amount of transferred</p>



Setting	Description
	<p>data. Metalogix recommends that if you are using MDC compression, you select a retention period long enough to maintain a complete history of packages and that you do not manually clear packages from the Monitor Replication page.</p> <p><b>Note:</b> To use DC, you must install Remote Differential Compression as a Windows feature on the servers where Replicator is installed before creating connections. When you create a connection, you will not be able to select this option. Instead, create the connection and then edit it again to configure DC.</p>
DC Size Threshold	<p>DC, if selected, will only be used for packages that are greater than the size specified in this field. Any packages that are smaller than this specified size will not be scanned for differentials, but replicated in entirety.</p> <p>This parameter is measured in KB. The entry must be a positive decimal number.</p> <p><b>Note:</b> This number can only be adjusted if the compression mode is set to Differencing Compression (DC).</p> <p>This size indicates the combined sizes of all files within a single replication package.</p> <p>This setting is client-specific, and must be adjusted as required to find the best level for your organization.</p>

## BITS Transports Settings

This section controls BITS job priority settings, and compression type settings.

BITS Mode:

☐ Kerberos

Replication Mode  
☒ On Demand  
☐ Firewalled

Secondary URL:

Secondary User Name:

Secondary Password:

☐ Ignore Remote Certificate Validation Warnings

## BITS Mode

When BITS is set as the Transport method, priority levels can be assigned for the local network.

- BITS - High Priority  
Uses as much bandwidth on the local network interface as it can.
- BITS - Normal Priority  
Uses only the idle bandwidth on the local network interface. Normal Priority, transport settings can be further configured with the Windows Local Group Policy Editor (gpedit.msc). When using Normal Priority, transports will use the settings set in Group Policy editor for the server where the transfer is initiated.

This option determines whether or not BITS takes up a large amount of bandwidth when update downloads occur (high priority) or is relegated to a smaller amount of bandwidth (normal priority).

**Note:** The BITS priority setting only affects the local network interface, and does not affect BITS operation beyond the local server.

If a large quantity of replication is occurring, set the BITS mode to a lower priority in order to avoid interrupting or slowing regular network traffic.

## Kerberos

This parameter specifies that the Kerberos network authentication protocol is to be used when communicating with the target Web Application.

☐ Kerberos

**Note:** Kerberos is only available when Transport is set to BITS.

## Replication Mode

Replication Mode options specify when replication will occur. These options are only available when the transport is set to BITS.

Replication Mode

- ☒ On Demand  
☐ Poll  
☐ Firewalled

**Note:** The Firewalled option generate more network traffic than On Demand, as On Demand only communicates with the target web application when there are packages to replicate.

Setting	Description
On Demand	The target is notified of packages as they are available for transport.
Firewalled	<p>Allows replication to occur when the current web application is located behind a firewall.</p> <p>A web application outside a firewall cannot communicate with the web application behind the firewall. With this option selected:</p> <ul style="list-style-type: none"><li>• The web application behind the firewall will control both inbound and outbound replication to the target web application, including uploading packages to the target.</li><li>• A return connection will be automatically created on the target web application.</li></ul> <p>You will be required to enter the passphrase applied at the web application level in order to set up a connection in firewalled mode.</p> <div><div>Target Replicator Passphrase:</div><div>.....</div></div>

Setting	Description
	Note: After creating a connection that uses Firewalled mode, you will not be able to change the replication mode of the connection.

## Secondary URL

This is an alternate URL for replication. You can also redirect package transfers to use this URL with a classification.

## Secondary User Name

Enter the user name information for the secondary URL. This account must meet the same requirements as the target account specified earlier on this page.

## Secondary Password

Enter the password for the secondary URL.

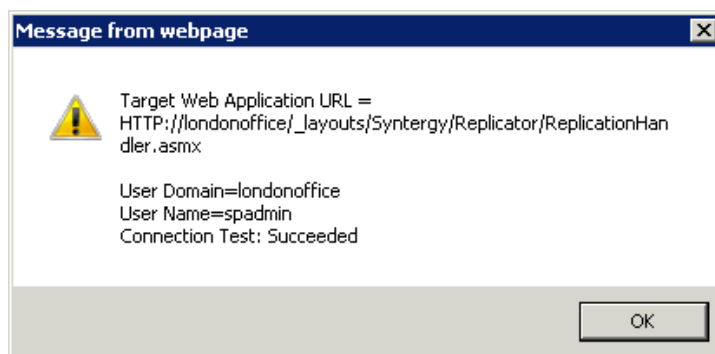
## Ignore Remote Certification Validation Warning

This parameter specifies that when the secondary URL is used, the remote certification validation warning will be ignored.

☐ Ignore Remote Certificate Validation Warnings

## Test Connection

Click **Test Connection** to immediately validate the information entered for the Secondary URL used to transfer packages. The test results will appear in a pop-up window.



## General Transport Settings

This section allows users to specify the number of times Replicator retries to apply packages. It is available when BITS or SFTP are selected as the transport method for the connection.

Maximum Retries Count:

Enable pausing of connections during retry process.  
☒ Yes ☐ No

Retry Count Before Pausing:

Duration of Pause (in minutes):

Replication Monitor Update Level:

## Maximum Retries Count

If replication fails to occur, this setting indicates how many retry attempts are made before an error is registered.

Maximum Retries Count:

- **Infinite** specifies that Replicator will attempt to process the package until it is successfully sent.
- **Specified Count** Count instructs Replicator to attempt replication for the specified amount of hours. Enter the number of hours in the adjacent field. After the specified number of hours has passed, Replicator sets the status for that package to Error, and moves on to the next package.

If a Replication Package is not sent, it is considered an error and an entry will be placed in the Event Processing log.

Quest recommends that the Maximum Retry Count setting be left at the Infinite (default). Limiting the retry time could result in the content of Web Applications becoming un-synchronized as failed Packages drop when the specified count time limit is reached. Specifying an hour retry maximum should only be considered in an environment where cost of bandwidth is a consideration.

**Note:** Maximum Retry Count is only available when Transport is set to BITS.

## Enable Pausing of Connections During Retry Process

This section allows you to specify whether processing should be periodically paused during the retry process. Selecting **Yes** will turn this feature on, selecting **No** will keep this feature off.

Enable pausing of connections during retry process.  
☐ Yes ☒ No

## Retry Count Before Pausing

This section allows you to specify the number of times Replicator will retry to send a package with an error before it pauses. This number must be less than the Maximum Retry Count. Once the specified pause time has passed, replicator will retry to send the package up until the Maximum Retry Count amount.

Retry Count Before Pausing:

## Duration of Pause

This section allows you to specify the duration of the pause (in minutes), after the Retry Count Before Pausing number has been met.

Duration of Pause (in minutes):

## Replication Monitor Update Level

This setting controls the amount of network traffic Replicator generates for monitoring replication. In most cases, you can leave this setting with the default value of **Normal**.

If you are in a restrictive network environment, then you can change this value to **Minimal**. This option sends less status information over your network, which reduces the amount of bandwidth used by Replicator.

Replication Monitor Update Level:

## Package Processing Settings

The event processing settings control what Replicator does when a change is made on the source and target web applications. You can also encrypt replicator packages in this section.

Enable event capture for this Connection:

☒ Yes ☐ No

Pause outbound packaging for this Connection:

☐ Yes ☒ No

Pause inbound package transfer and processing for this Connection:

☐ Yes ☒ No

☐ Encrypt Replication Packages:

Password:

Confirm Password:

## Enable Event Capture

To have Replicator capture SharePoint events for this connection, select **Yes** under **Enable event capture for this connection**, otherwise, select **No**.

You can still replicate content by explicitly queuing replication maps. Queuing content is not affected by this setting.

This setting does not affect how events are captured for other connections from this web application.

## Pause Outbound Packaging

To pause outbound packaging for this connection, select **Yes** under **Pause outbound packaging**. To resume replication, select **No**.

When paused, Replicator continues to capture and package events from this web application for replication, but will not transfer the packages to other web applications. These packages will appear on the outbound Monitor Replication page with an Active status.

When outbound packaging resumes, any paused packages are transferred.

## Pause Inbound Package Transfer

To pause inbound package transfer for this connection, select **Yes** under **Pause inbound package transfer**. To resume replication, select **No**.

When paused, Replicator continues to accept and transfer inbound packages from other web applications, but does not apply these changes on the paused web application. These packages appear on the outbound Monitor Replication page with an Active status.

When inbound package transfer resumes, any paused packages are transferred and applied.

## Encrypt Replication Package

In order to encrypt a package, select **Encrypt Replication Packages** and enter and confirm a password for encrypting Replication Packages. All replication targets that share packages must have the same password configured.

## Priority Settings

Priority settings are only used for connections in an Adaptive group.

Priority:

Expected Speed:

(Kbps)

Actual Speed:

(Kbps)

## Priority

If this connection is in a replication group using adaptive mode, then this priority value is used to determine which connections are used to send and receive replication packages. In a highly connected network topology, where you would use the adaptive mode, the same inbound replication package can exist on more than one server. This priority is used to determine in what order an outbound package is sent to each connected server. Similarly, it is also used to determine which server to receive inbound packages from.

Specify priority for this connection as a positive integer. Connections with a lower value have a higher priority for replication. For example, with all other determining factors being equal, an outbound package will be sent along a priority 1 connection before a priority 2 connection.

You can also specify a priority of 0. This value disables communication along this connection.

## Expected Speed

Enter the expected speed, in kilobits per second, of this connection. This value is used when determining which connection to use.

## Actual Speed

This field shows the actual speed Replicator has experienced for this connection.



# Manage Classifications

The Manage Classifications page, accessed from the Application Management page in Central Administration, is used to manage classifications, which can be applied to map families on the Configure Map Family page, when adding a map family or while editing the settings of current map families.

## Manage Classifications ⓘ

**Metalogix Replicator**

[Add Classification](#) | 
 [Delete Classification](#) | 
 [Set as Default for new Map Families](#)

Web Application: <http://corporateoffice/> ▼

	Unique Identifier	Name	Queue Number	Use Secondary URL	Map Family Default Event Classification
<input type="checkbox"/>	1	High	1	False	False
<input type="checkbox"/>	2	Normal	2	False	True
<input type="checkbox"/>	3	Low	3	False	False

Refer to the following table for information on the Manage Replication Connections screen.

Parameter	Description
Web Application	Select which Web Application is being configured.  To change the Web Application, click the field and select another Web Application from the list.
Unique Identifier	This is the number used to match classifications on other web applications.
Name	This is the name of the classification
Queue Number	This number determines the order in which packages are queued for replication. If two or more classifications have the same Queue Number, then they will have packages sequenced together.
Use Secondary URL	This is a True or False value. When true, packages will be transferred from the connection's secondary URL.



## Classification Settings

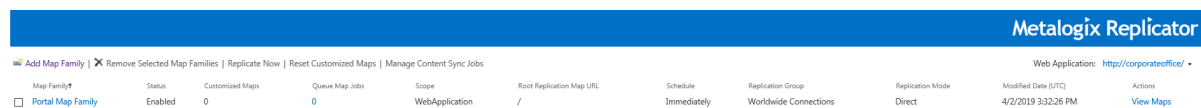
These are the various settings which can be customized for classifications. Refer to the following table for information on the Classification Settings section.

Parameter	Description
Unique Identifier	This is the number assigned to the classification
Name	This is the name of the classification
Queue Number	This number determines the order in which packages are queued for replication. If two or more classifications have the same Queue Number, then they will have packages sequenced together.
Use Secondary URL	Selecting this option causes events using this classification to use the connection's Secondary URL

# Manage Map Families

The Manage Map Families page allows you to set shared common properties for Replication Maps that are included within the Map Family. A Map Family can be created for a Web Application, Site Collection, Web Site, List, or Folder. The top-most Replication Map in each Map Family is referred to as the root map.

Manage Map Families 



Selecting **Add Map Family** will direct you to the Configure Map Family page, allowing you to create and configure a Replication Map.

Selecting **Manage Content Sync Jobs** will direct you to the Manage Content Synchronization Jobs page, allowing you to manage your Content Synchronization Jobs.

Refer to the following for information about the Manage Map Families screen.

Parameter	Description
Add Map Family	Add a new map family. This opens the Configure Map Family page.
Remove Selected Map Families	Allows you to remove the selected map families.
Replicate Now	Allows you to immediately replicate using the selected map family.
Reset Customized Maps	Resets the customized maps.
Manage Content Sync Jobs	Opens the Manage Content Synchronization Jobs page, where you can manage synchronization jobs.
Web Application	Select which Web Application is being configured. To change the Web Application, click the field and select another Web Application from the list.
Map Family	Displays the Map Family name and links to the Configure Map Family page.

Parameter	Description
Status	Displays the current status of the Map Family.
Customized Maps	Displays the number of customized maps within this Map Family.
Queue Map Jobs	Displays the number of Queued Map Jobs for this Map Family.
Scope	Indicates whether the Map Family was defined for a Web Application, Site Collection, Web Site, or Folder.
Root Replication Map URL	Displays the complete URL address for the Map Family.
Schedule	Indicates what the Replication schedule is for the Map Family.
Replication Group	Indicates which Replication Group this Connection belongs to.
Replication Mode	Indicated the replication mode used for this map family.
Modified Date (UTC)	Indicates the date and time at which the map family was last modified.
Actions	Allows you to View Maps for this Map Family.

## Actions

The following are the options available on the Manage Map Families page.

## Web Application

This list indicates which Web Application is being affected by any alterations to the settings. If other Web Applications exist, they can be selected from the list.

## Add Map Family


Use the **Add a Map Family** to open the Configure Map Family page and create a new or edit an existing Map Family.

## Remove Selected Map Family

This parameter deletes the selected Map Families from the specified Web Application.


## Replicate Now

Use **Replicate Now** to force the immediate replication of any Packages in the replication queue for all Replication Maps within the selected Map Family. This feature must be used when replication was set to Manual on the Configure Map Family page.

 | **NOTE:** Replicate Now is only available when Transport is set to BITS.

## Reset Customized Maps

Use Reset Customized Maps to reset all Replication Maps, within the selected Map Family, to their default settings.

Map Families that contain customized Replication Maps are indicated with the  symbol.

## Configure Map Family

The Configure Map Family page allows you add a new Map Family or change the settings for an existing Map Family. The settings for the Map Family are common to all Replication Maps within the Map Family.

When configuring an existing Map Family, you can change whether the Map Family is enabled or disabled, the Replication Group used for this Map Family and the Replication schedule.

## Configure Map Family ⓘ

Web Application

Select the Source Web Application

General Settings

Enter a name to identify this Map Family.

Set the scope of this Map Family to be either for the Web Application, Site Collection or Web Site for the specified URL.

For Site Collection or Web Site-scoped map families, enter the root URL for replication. Only changes made to the site at this URL and its children are replicated.

Select the default classification for events replicated by this Map Family. The classification for a specific event can be changed with a Replication Rule.

Enter the maximum number of events that will be in a replication package.

Enable or disable this Map Family.

Replication Group

Select the Replication Group for this Map Family.

This Map Family will replicate events to the Replication Connections in this group.

Replication Schedule

If Manually is selected, you must use Replicate Now on Manage Map Families to start replication.

Web Application: <http://corporateoffice/> ▼

Map Family Name:

Map Family Scope:

Root Replication Map URL:

Default Event Classification:

Maximum Events Per Package:

Enable this Map Family:  
☒ Yes ☐ No

Select Replication Group:

Replication Mode:  
Adaptive

Replicate Changes:  
☒ Immediately  
☐ Every  
☐ Daily  
☐ Weekly  
☐ Monthly  
☐ Manually

OK

Cancel

## Web Application

This parameter indicates which Web Application the Map Family is being defined for. To change the Web Application, click the field and select another Web Application from the list.

Web Application: <http://corporateoffice/> ▼

## General Settings

The following is found in the general settings section of the page.

Map Family Name:

Map Family Scope:

Root Replication Map URL:

Default Event Classification:

Maximum Events Per Package:

Enable this Map Family:  
☒ Yes ☐ No

## Map Family Name

Enter a descriptive name to identify the Map Family.

## Map Family Scope

The Map Family can be defined at the Web Application, Site Collection, Web Site, List, or Folder level.

**i** | **NOTE:** The Map Family Scope cannot be changed after the Map Family is created.

**i** | **NOTE:** If you create a map family at the list or folder level, and do not create a map family for the task list, then this will affect the completion of any workflows on the target associated with the list or folder.

## Root Replication Map URL

The Map Family URL defaults to the Web Application URL. If the Map Family is being configured for either a Site Collection, Web Site, List, or Folder the corresponding URL must be entered in this field.

**i** | **NOTE:** The Map Family URL cannot be changed after the Map Family is created.

## Default Event Classification

Select the default classification for events replicated by this Map Family. The classification for a specific event can be changed with a Replication Rule.



## Maximum Events Per Package

Enter the number of maximum events you want to be in a replication package. The boundaries for maximum events per package range from 1 to 100.

## Enable This Map Family

Select whether you would like to enable this map family.

## Replication Group

The following is found in the Replication Group section of the page.

### Select Replication Group

A Replication Group includes all Replication Connections that can be added to the Replication Maps within a Map Family.

Use the Replication Group setting to select which Replication Group will be used for this Map Family. Replicator is installed with a default Replication Group - Worldwide Connections. To select a user-defined Group, select the group from the **Select Replication Group** drop-down list.

**i** | **NOTE:** A Map Family's Replication Group cannot be changed after the Map Family is created.

Select Replication Group:

Branch Office Group

## Replication Mode

The replication mode of the replication group is listed here. You cannot change the mode once the group has been saved.

Replication Mode:

Direct

## Replication Schedule

Use the Replication Schedule section to define replication frequency. Replication can occur immediately (upon creation of the Map Family), at a specified time interval, or can be set for manual initiation.

#### Replicate Changes:

- ☒ Immediately
- ☐ At set time interval
- ☐ Daily
- ☐ Weekly
- ☐ Monthly
- ☐ Manually

**i** **NOTE:** With less frequent replication schedules, there is a greater risk of conflicts occurring. To reduce the number of conflicts detected by Replicator, set the interval to a shorter time.

## Immediately

Use this parameter to initiate replication immediately after events are captured.

## At Set Time Interval

Use these fields to initiate replication after a given time period has elapsed. The time unit and measure can both be selected. All Events captured within the specified time period will be replicated.

☒ At set time interval Every

## Daily

Use these fields to initiate replication once per day based on the specified time.

For example:

☒ Daily at

Replication will occur daily at 11:55 PM every day.

**i** **NOTE:** The time interval for hours is based on a 24-hour clock with a "per hour" increment. The time interval for minutes is based on five minute increments.

## Weekly

Use these fields to initiate replication once per week based on the specified day and time. The time interval is specified for both hours and minutes and is based on a 24-hour clock.

For example:

☒ Weekly on  at

Replication will occur on Sunday at 12:00 midnight every week.

**i** **NOTE:** The time interval for hours is based on a 24-hour clock with a "per hour" increment. The time interval for minutes is based on five minute increments.

## Monthly

Use these fields to initiate replication once per month based on the specified date and time.

For example:

☒ Monthly on the  day at

Replication will occur on the 10th day, at 10:10 PM every month.

## Manually

Select this option if you want to manually specify when to replicate changes. Changes will be captured, but not replicated until an administrator selects **Replicate Now** from the Manage Map Families page.

This setting prevents Outbound Packages from actively being processed. If Manual is selected, Packages are collected in the queue, but are not replicated until **Replicate Now** is selected on the Manage Map Families page.

## Package File Format

Set the file format of this Map Family to be either XML or XML Minimal.

Select Package File Format:

## Advanced Settings

Pause or unpause the scheduling of outbound and inbound work for this Map Family.

Pause this Replication Map Family:

☐ Yes ☒ No

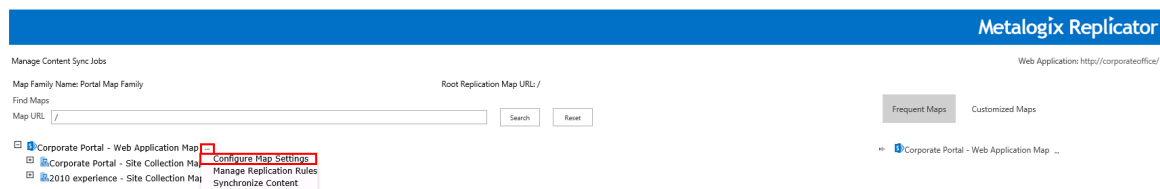
In order to Configure Replication Map Settings do the following.

1. On the Manage Map Families page, click **View Maps** next to the map you wish to configure. This will open the Manage Map Family page for the selected map.

Manage Map Families 

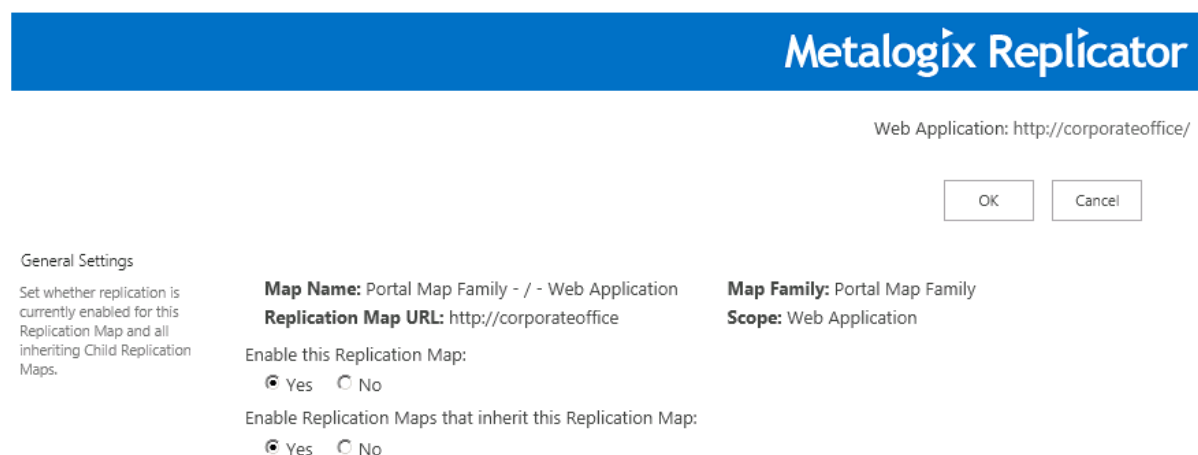
2. On the Manage Map Family page for your selected map, select the (...) button next to your web application map, and click **Configure Map Settings**. This will open the Configure Replication Map Settings page.

Manage Map Family: Portal Map Family 



3. The Configure Replication Map Settings page displays information about the Replication Map, such as the Replication Map name, the Map Family it belongs to, its scope, and its root Replication Map URL. This page also allows you to specify whether the Map is enabled, and its inheritable status. Depending on the scope, you can specify the Replication Events, Connections, and column matching enabling.

## Configure Replication Map Settings ⓘ



## General Settings

The General Settings section displays the following information:

Statistic	Description
Map Name	The Map name is auto generated and based on the Map Family name and scope.
Map Family	The name of the Map Family.
Root Replication Map URL	The URL for the root Replication Map.
Scope	Indicates whether the Map Family was defined for a Web Application, Site Collection, Web Site, or Folder.


### Enable this Replication Map

When this parameter is set to **Yes**, replication is enabled for this Replication Map only. The default is set to the same setting specified on the Configure Map Family page.

### Enable Replication Maps that inherit this Replication Map

When this parameter is set to **Yes**, replication is enabled for all maps which inherit this replication map.

### Inherit Replication Events, Connections and Rules

 **NOTE:** This parameter is only available for child Replication Maps.

When this parameter is set to **Yes**, specified Connections and Events are inherited from the Parent Replication Map.

When this parameter is set to **No**, Events and Replication Connections can be edited independently from the Parent Replication Map.

### Replication Events

The Events settings section defines which SharePoint events are queued for Replication. If the **All Events** checkbox is selected, all of the events under this category are queued. All Events are automatically selected for all event groups, except for the Workflow event group.

Event Group	Selected	
Web Application	<div>Site Collection Add</div> <div>Site Collection Delete</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
Site Collection	<input checked="" type="checkbox"/> All Events	<button>Advanced</button>
Web Site	<input checked="" type="checkbox"/> All Events	<button>Advanced</button>
List	<input checked="" type="checkbox"/> All Events	<button>Advanced</button>
List Item	<input checked="" type="checkbox"/> All Events	<button>Advanced</button>
Workflow	<input type="checkbox"/> All Events	<button>Advanced</button>

**i** **NOTE:** The Web Application Event Group is only available with map families with a Web Application scope. The Site Collection Event Group is only available with map families with a Web Application or Site Collection scope.

## Advanced

Click **Advanced** to open the Advance selection options, which allow highly detailed, very specific customization of the Replication process.

**i** **NOTE:** The advanced settings are only available for the Root Replication Map.

List	<div>List Add</div> <div>List Update</div> <div>Recycle Bin Restore</div> <div>View Add</div> <div>View Delete</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
------	--	---

When these buttons are clicked, the page refreshes with specific options for Replication. Events selected from the list are replicated on the Target Web Application. Events which are cleared are not replicated.

**Select All** selects all events for replication, and **Clear All** removes selection from all events, allowing users to very specifically define the required Replication.

Shift-click allows you to select a range of contiguous options. Ctrl-click allows you to select non-contiguous options.

**Note:** All Web Applications should have their settings configured in the same manner to ensure that all farms behave in the same manner. For each farm in Replication, these settings should be double-checked to ensure accuracy across the organization.

## Web Application Events

The replicated events listed in the following table are controlled at the Web Application level.

Event Group	Event	Description
Web Application	Site Collection Add	A site collection has been added.
	Site Collection Delete	A site collection has been deleted.
Site Collection	User Add	A user has been added.
	User Update	A user has been updated.
	User Delete	A user has been deleted.
	Group Add	A group has been added.
	Group Update	A group has been updated.
	Group Delete	A group has been deleted.
	Site Collection Update	A site collection has been updated.
	Feature Update	A site collection feature has been activated or deactivated.
Web Site	List Delete	A list has been deleted.
	Web Permission Level Add	A web permission level has been added.
	Web Permission Level Update	A web permission level has been updated.
	Web Permission Level Delete	A web permission level has been deleted.
	Web Permission Add	A web permission has been added.
	Web Permission Update	A web permission has been updated.

Event Group	Event	Description
	Web Permission Delete	A web permission has been deleted.
	Web Add	A web site has been added.
	Web Update	A web site has been updated.
	Web Delete	A web site has been deleted.
	Web File Add	A web file has been added.
	Web File Update	A web file has been updated.
	Web File Delete	A web file has been deleted.
	Content Type Add	A content type has been added.
	Content Type Update	A content type has been updated.
	Content Type Delete	A content type has been deleted.
	Site Column Add	A site column has been added.
	Site Column Update	A site column has been updated.
	Site Column Delete	A site column has been deleted.
	Feature Update	A site feature has been activated or deactivated.
	Social Data Add	Social data has been added.
	Social Data Update	Social data has been updated.
	Social Data Delete	Social data has been deleted.
	Site Navigation Update	Site Navigation has been updated.
	Site Master Page Update	Site Master Page has been updated.
	Site Title Update	Site Title has been updated.



Event Group	Event	Description
	Site Welcome Page Update	Site Welcome Page has been updated.
	Site Tree View Updated	Site Tree View has been updated.
	Site Theme Update	Site Theme has been updated.
	Site Logo Update	Site Logo has been updated.
List	List Add	A list has been added.
	List Update	A list has been updated.
	Recycle Bin Restore	Previously deleted content has been restored from the Recycle Bin.
	View Add	A view has been added.
	View Delete	A view has been deleted.
	View Update	A view has been updated.
List Item	List Item Add	A list item has been added.
	List Item Update	A list item has been updated.
	List Item Delete	A list item has been deleted.
	List Item Checkout	A user has checked a list item out.
	List Item Checkin	A user has checked a list item in.
	Folder Add	A folder has been added.
	Folder Update	A folder has been updated.
	Folder Delete	A folder has been deleted.
	Web Part Page Update	A Web Part Page has been updated.
Workflow	Workflow Association Add	A workflow association has been added.

Event Group	Event	Description
	Workflow Association Update	A workflow association has been updated.
	Workflow Association Delete	A workflow association has been deleted.
	Workflow Instance Cancel	A workflow instance has been cancelled.
	Workflow Instance Modify	A workflow has been modified.
	Workflow Instance Add	A list item workflow instance has been added.
	Web Workflow Instance Add	A web workflow instance has been added

The following events can only be queued using the PowerShell `Schedule-ReplicatorMap` command or the Replicator Management Shell. For more information, see the [Metalogix Replicator Command Line Reference Guide](#).

Event	Description	ID
List Item Queue Versions	Queues every version of a list item, not just the most recent version.	8
Replication Map Add	A replication map has been added.	900
Replication Map Update	A replication map has been updated.	901
Map Family Add	A replication map family has been added.	910
Map Family Update	A replication map family has been updated.	911
Map Family Delete	A replication map family has been deleted.	912
Alert Add	An alert has been added.	4300

Event	Description	ID
Alert Update	An alert has been updated.	4301
Alert Delete	An alert has been deleted.	4302
Term Store Add	A Term Store has been added.	6000
Navigation Term Store Add	A Navigation Term has been added.	6010

## Outbound Replication Connections

The Outbound Replication Connection section displays the default Replication Connection associated with a specified Replication Group.

**Replication Group:** Worldwide Connections  
**Replication Mode:** Direct

☐ Select   
 ☒ Connection   
 ☐ Custom   
 Target Replication URL

☒ [Corporate to London](#)   
☐    

**i** | **NOTE:** This parameter can only be edited for the Root Replication Map.

Column	Description
Select	Select or clear the Outbound Replication Connections over which Outbound Events are to be replicated or not replicated
Connection	This is the name of the connection
Custom	If you would like to replicate to an alternate path on the target web application then you can choose Custom, and enter the path in the field. "Test" verifies that the path exists on the target web application.
Target Replication URL	This is the address of the target where Replicated items are directed.

## Advanced Settings

Select whether to enable column matching on Title and Created metadata fields.

Enable column matching on Title and Created metadata fields:

☒ Yes ☐ No

Selecting yes will allow inbound events to be matched based on Title and Created metadata fields in order to prevent duplicate items from being created on the Target Web Application. Selecting No, means that no matching will be attempted and as a result duplicate items or documents may be created on the Target Web Application.

## Excluding Content From Replication

Replicator allows you to control what does and does not get replicated. There are certain ways in which to exclude content from replication.

SharePoint Item	Excluded By
Events	Specific events, such as list item deletions, site title changes, or permission changes, can be disabled from replication, allowing you to manage these settings separately and independently for each web application
List Items	Excluded by Rules. See the Rules section " <a href="#">Manage Replication Rules</a> " for more details; also note the section entitled " <a href="#">Rule Examples</a> ".
Folders	Excluded by Rules. See the Rules section " <a href="#">Manage Replication Rules</a> " for more details; also note the section entitled " <a href="#">Rule Examples</a> ".
Lists	Excluded by Map Configuration Settings. See the " <a href="#">Manage Map Families</a> " section for more details.
Sites	Excluded by map family scope and root replication URL settings.  See the " <a href="#">Manage Map Families</a> " section for more details.
Site Collections	Excluded by map family scope and root replication URL settings.

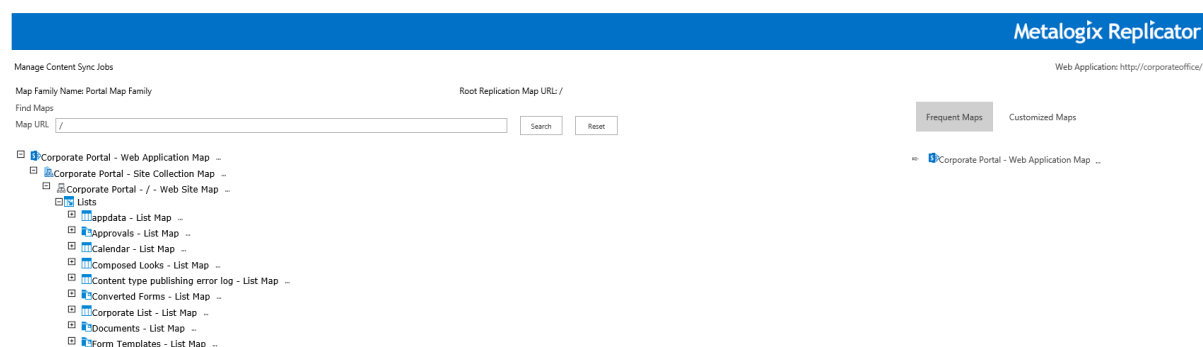
SharePoint Item	Excluded By
	See the " <a href="#">Manage Map Families</a> " section for more details.

## Manage Map Family

The Manage Map Family page is accessed by clicking on the View Maps link on the Manage Map Families page.

This page allows you to view the hierarchy of a Map Family including any customized Replication Maps.

Manage Map Family: Portal Map Family 



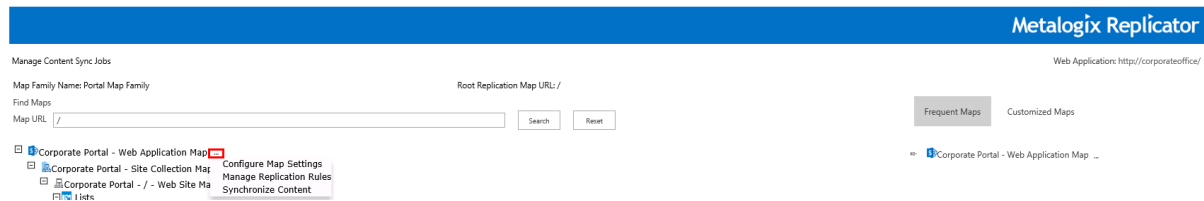
Refer to the following table for information about the Manage Map Families screen.

Parameter	Description
Manage Content Sync Jobs	When selected, Manage Content Sync Jobs will navigate to the Manage Content Sync Jobs page, allowing users to view current scheduled queue jobs. See the <a href="#">Manage Content Synchronization Jobs</a> page for an overview of the page.
Web Application	Select which Web Application is being configured.  To change the Web Application, click the field and select another Web Application from the list.
Map Family Name	Displays the Map Family name.
Root Replication Map URL	Displays the Root Replication Map URL.
Frequent Maps	Displays a maximum of the 15 most frequently used maps.
Customized Maps	Displays the maps that have been customized.

Parameter	Description
Find Maps	Allows you to manually search for a map by its URL.

This page also provides links to the Configure Map Settings, Manage Replication Rules, and Synchronize Content pages. These are accessed by clicking the (...) next to the name of the map family for which you would like to make changes/configure settings.

Manage Map Family: Portal Map Family @



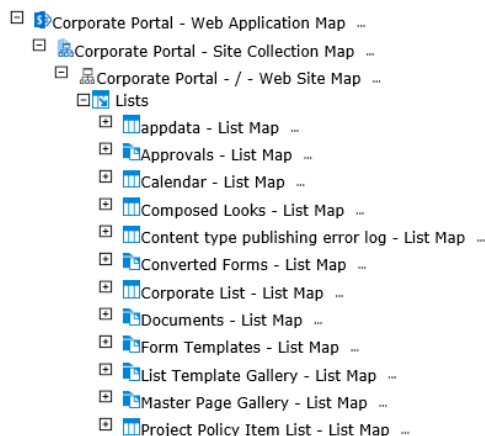
## Find a Single Replication Map

You can find a single Replication Map by doing one of the following.

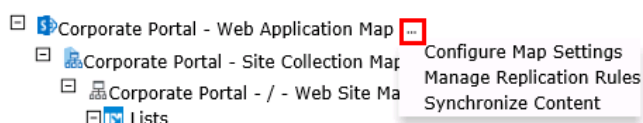
- Search for a specific map by URL - do so by typing it into the Find Maps' **Map URL** section.



- Expand the available maps listed under the Frequent Maps or Customized Maps option, by selecting the + symbol, displaying all the maps for a Map Family.

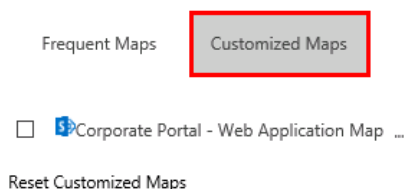


By selecting the (...) next to the name of a specific map from the available lists, you can also perform various actions for the map - these include Configuring the map, Managing Replication Rules, and Synchronizing Content for the map.



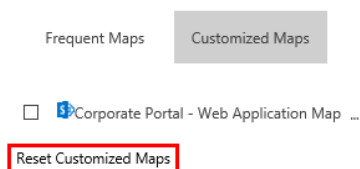
## Show Customized Replication Maps

Select the **Customized Maps** button in order to display all Replication Maps that have been customized from the default settings inherited from the Parent Map.



## Reset Customized Maps

This parameter allows customized Replication Maps to be set back to their default settings. Select the check box for the customized Replication Maps you wish to restore, and click **Reset Customized Maps**.



The reset customized Maps function only restores attributes specified on the Configure Map Family page.

## Manage Content Synchronization Jobs

The Manage Content Synchronization Jobs page allows users to manage scheduled queue jobs. This page is accessed by selecting **Manage Content Sync Jobs** on the Manage Map Family page.

Manage Content Synchronization Jobs ◉

Metalogix Replicator									
Run Selected Job Now   X Remove Selected Map Job									
Job Name	Type	Map Family Name	Map Name#	Status	Schedule	Next Scheduled (UTC)	Last Run (UTC)	Sync Status	Actions
<input type="checkbox"/> Full Content Sync	Full	Portal Map Family	Portal Map Family - / - Web Application	Enabled	Immediate	11/11/2019 5:06:16 PM	N/A	N/A	<a href="#">Edit Job</a>
<input type="checkbox"/> Content Sync Portal Web Site	Differential	Portal Map Family	Portal Map Family - / - Web Site	Enabled	Immediate	N/A	11/11/2019 5:01:57 PM	Differences found	<a href="#">Edit Job</a> <a href="#">Report</a>

Refer to the following table for information about the Manage Content Synchronization Jobs screen.

Parameter	Description
Web Application	Displaying jobs for the selected web application.
Run Selected Job Now	Prompts the selected synchronization job to run immediately.

Parameter	Description
Remove Selected Map Job	Removes the selected synchronization job.
Job Name	The Synchronization Job's name.
Type	The type of content synchronization being performed by this job.
Map Family Name	The parent map family name for which this job is being applied.
Map Name	The map name for which this job is being applied.
Status	The current status of the Synchronization Job.
Schedule	The type of schedule that has been configured for this synchronization job.
Next Scheduled	The date when the job is set to run next. Time shown in UTC.
Last Run	The last time the job was run. Time shown in UTC.
Sync Status	The current status of the synchronization job, only applicable for differential sync jobs.
Actions	Selection <b>Edit Job</b> will open the Configure Content Synchronization Job page for this specific job, allowing users to edit the job.
Report	Reports are only available for Differential Synchronization Jobs. Click <b>Report</b> will generate a <a href="#">report</a> that can be used to see what the differences between the source and target are.

## Content Synchronization Job Report

Content Synchronization Job Reports are only available for Differential Synchronization Jobs. They are accessed on the [Manage Content Synchronization](#) page, by clicking the **Report** link found next to the differential content sync job.



## Content Synchronization Job Report ⓘ

### Metalogix Replicator

Web Application: <http://corporateoffice/>

**Job Name:** Differential Content Sync

**Map Name:** Portal Map Family - / - Web Site

Select Replication Connection:

corporate to london ▼

Number Of Differences:

6

Sync Status:

Differences found

Site: Corporate Portal (<http://corporateoffice/>)

List	Folder	Differences	Actions
Style Library	Media Player	4	<a href="#">View Report</a>
SitePages		2	<a href="#">View Report</a>

Content Synchronization Job Report for Media Player (<http://corporateoffice/Style Library/Media Player>)

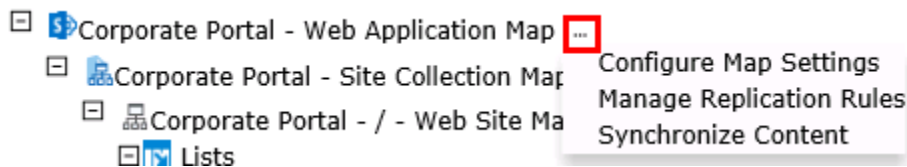
Report generated on 1/28/2020 3:26:34 PM (UTC).

Item	Status Before Sync	Status After Sync	Sync Action Performed	Comment
Style Library/Media Player/AlternateMediaPlayer.xml	Older on Source	In Sync	Item queued for sync from source	
Style Library/Media Player/AudioPreview.png	Older on Source	In Sync	Item queued for sync from source	
Style Library/Media Player/MediaWebPartPreview.png	Older on Source	In Sync	Item queued for sync from source	
Style Library/Media Player/VideoPreview.png	Older on Source	In Sync	Item queued for sync from source	

Parameter	Description
Job Name	The name of the Content Sync Job.
Map Name	The name of the map the replication connections are part of.
Select Replication Connection	This drop down allows you to select the replication connection within this map that you wish to compare.
Number of differences	The number of differences found between the source and target website.
Sync Status	The status of the sync.
List table	This table provides an overview of the list and folders web site that contain the differences. Clicking on <b>View Report</b> , will open a secondary table.
Content Table	This table becomes available when you click View Report next to an item in the List table (above). Here the items within the list/folder that are different are listed, along with their sync status before and after synchronization, as well as the action performed during the content synchronization job.

## Actions

Specific configurations, which can be different for each Replication Map within a Map Family, are specified using one of the action links. You can access the action links by selecting the (...) button next to a Map Family name.



## Configure Map Settings

The Configure Map Settings link opens the Configure Replication Map settings page. Certain configuration options, such as the specification of which events are replicated, are not available when configuring child maps, as they have been inherited from the parent map.

## Manage Replication Rules

The Manage Replication Rules link opens the Manage Replication Rules page for a Replication Map. Rules for a Replication Map are inherited by all children of that map, unless otherwise specified.

**NOTE:** Rules can only be configured from the web application where the Map Family was created.

## Manage Replication Rules

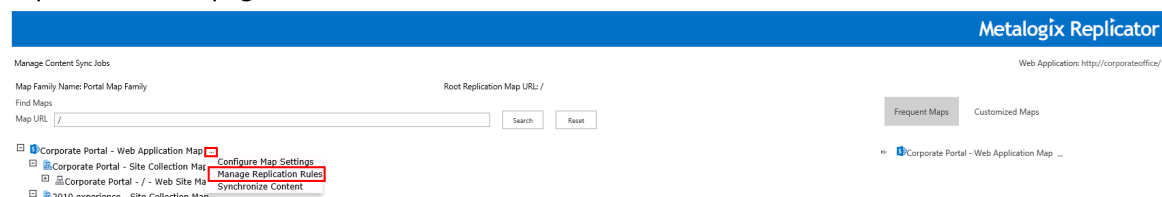
The Manage Replication Rules is accessed by doing the following.

1. On the Manage Map Families page, select **View Maps** for the map family where you would like to configure Replication rules. This will open the Manage Map Family page for that specific map family.

Manage Map Families



2. On the Manage Map Family page, select the (...) beside the map family for which you would like to configure rules, and select the **Manage Replication Rules** button. This will open the Manage Replication Rules page.



The Manage Replication Rules page provide users with a list of all the rules associated with the map family. The following actions can be performed on this page:



- Add Rule  
Selecting this link opens the Configure Rules page.
- Remove Selected Rules  
Selecting this link deletes all checked Replication Rules.

**NOTE:** Replication Rules are designed to allow users to prevent SharePoint events from replicating. Replication Rules are not designed to allow users to force events to replicate.

## Manage Replication Rules ⓘ

**Metalogix Replicator**

**Map Name:** Portal Map Family - / - Web Application      **Replication Map URL:** /

 Add Rule     Remove Selected Rules

Replication Rules:

<input type="checkbox"/>	Rule Name	Order	Enabled	Scope
<input checked="" type="checkbox"/>	Skip Replication for not Approved Items	1	True	Local

By selecting a rule's name, you open up its configuration page where the description of the rule is available.

Refer to the following table for information about Replication Rules.

Parameter	Description
Map Name	The Name of the map on which the rules are located
Replication Map URL	The URL of the map on which the rules are located
Rule Name	This is the name assigned to the Rule
Order	The order in which the Rule has been arranged
Enabled	This is a True or False value, and denotes whether the rule has been enabled.
Scope	The scope in which the rule functions, locally or globally

On the Manage Replication Rules page, click **Add Rule** to open the Configure Replication Rule page and add a Replication Rule.

The Configure Rules page allows you to specify conditions for List names replication.

Configure Replication Rule

Rule Name:

Map Name: Corporate Map Family - / - Web Site

General Settings

Enter a name for the rule.

Enter a description for the rule.

Select the order in which this rule is processed relative to other existing rules.

Select if the rule applies to events originating on all web applications associated with the rule's map family or only this web application.

Select if the rule applies to captured, queued, or all events.

Rule Conditions

Select the conditions that must be met for this rule.

Rule Actions

Select the actions to perform when all conditions are met.

Map Family: Corporate Map Family

Replication Map URL: http://corporateoffice

Rule Name:

Description:

Process Order for this Rule:

Apply this rule to events originating:

Use this Rule on:

List Name

List Item Column

List Item Content Type

Folder Path

List Item File Size

List Item File Extension

>>

<<

Match on:

^

v

Skip Event

Skip Event and Delete Item on Targets

Change Event Classification

Redirect to Selected Connections

Redirect Using Lookup List

Stop Processing Rules

>>

<<

Apply Action:

^

v

Next

Cancel

The following is found under the general settings section of the page.

Rule Name

Enter a name for the rule.

Description

Enter a description for the rule.

Process Order for this Rule

The assigned number will determine the order in which the rule is processed in relation to other rules.

Apply This Rule to Events Originating

This specification determines the location of the events that this rule will be applied to.

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## Uses This Rule On

This area specifies the type of events which are replicated - Queued, Captured or both.

The following is an overview of all the rule conditions that are available when configuring your rules.

### List Name Condition

This condition allows you to apply the rule to a specified list. In this section you can configure the way in which you would like the List Name condition to function.

Condition Name:

Condition Type: List Name

Process rule condition when list or library name:

is equal to



See the following table for a description of all fields.

Field Name	Description
Condition Name	Enter a name for the condition.
Process rule condition when list name	Select the operator that will be used to compare the condition with the list name.
Name	Enter the name which the list will match on.

### List Item Column Condition

This condition allows you to apply the rule to a value of the list item. In this section you can configure the way in which you would like the List Item Column condition to function.

Condition Name:

Condition Type: List Item Column

Process rule actions for lists with versioning enabled:

☐ On any update to the list item    ☒ Only when this column changes

Process rule when column:

is equal to

See the following table for a description of all fields.

Field Name	Description
Condition Name	Enter a name for the condition.
Process rule actions	<p>Select whether to process the rule on all updates to the list items, or only when the specified column changes.</p> <p><b>NOTE:</b> if you choose to process rule actions "only when this column changes" then versioning must be enabled for this feature to work. Otherwise Replicator will ignore this setting and process the rule action on any update to the list items.</p>
Process rule when column	Enter the name of the column you wish to compare, and then select the operator that will be used to compare the condition with the column value. Lastly, Enter the name of the column value you wish to compare.

### Matching List Items by Date

Matching list items by date allows you to specify a date on which to match your rule actions.

Condition Name:

Condition Type: List Item Column

Process rule actions for lists with versioning enabled:

☐ On any update to the list item    ☒ Only when this column changes

Process rule when column:

is greater than or equal to

The following are acceptable formats for dates, please note that all dates and times are set to the UTC time zone, and all times must use a 24 hour clock:

Date	Example
MM/DD/YYYY	12/19/2012
MM/DD/YYYY HH:mm	12/19/2012 17:20

### Matching List Items by Size

Matching list items by size allows you to specify the size of a file on which to match your rule actions. For example, you can skip replication for any files that have a size less than 22 bytes.

Condition Name:

List Item Column

Condition Type: List Item Column

Process rule actions for lists with versioning enabled:

☒ On any update to the list item ☐ Only when this column changes

Process rule when column:

Size

is less than or equal to

22

### List Item Content Type Condition

This condition allows you to apply the rule to a content type. In this section you can configure the way in which you would like the List Item Content Type condition to function.

Condition Name:

List Item Content Type

Condition Type: List Item Content Type

Process rule condition when list item content type:

is equal to

Shared Documents

See the following table for a description of all fields.

Field Name	Description
Condition Name	Enter a name for the condition.
Process rule condition when list item content type	Select the operator that will be used to compare the condition with the column type. Enter the name of the content type you wish to compare.

## Folder Path Condition

This condition allows you to apply the rule to a folder path. In this section you can configure the way in which you would like the Folder Path condition to function.

Condition Name:

Folder Path

Condition Type: Folder Path

Process rule condition when folder path:

contains

HR

See the following table for a description of all fields.

Field Name	Description
Condition Name	Enter a name for the condition.
Process rule condition when list item content type	Select the operator that will be used to compare the condition with the column type. Enter the name of the folder path you wish to compare.

## List Item File Size Condition

This condition allows you to apply the rule to a list item based on file size. In this section you can configure the file size by which you would like the condition to function.

Condition Name:

List Item File Size

Condition Type: List Item File Size

Process rule when file size (bytes):

is equal to

2

See the following table for a description of all fields.

Field Name	Description
Condition Name	Enter a name for the condition.
Process rule condition when file size (bytes).	Choose a measurement value, you can choose from the following drop down list:



Field Name	Description
	<div> is less than  is less than or equal to  <b>is equal to</b>  is greater than  is greater than or equal to  is not equal to  is between  is between (Limits included)  is not between  is not between (Limits included) </div> <p>Enter the numerical value for the file size that you would like to meet the parameter. Note that the value will be in Bytes.</p>

## List Item File Extension Condition

This condition allows you to apply the rule to a list item based on file extension. In this section you can configure the file extension by which you would like the condition to function.

<b>Rule Name:</b> rule	<b>Map Family:</b> Portal Map Family
<b>Map Name:</b> Portal Map Family - / - Web Application	<b>Replication Map URL:</b> http://corporateoffice

Rule Condition - List Item File Extension

Enter a descriptive name for this condition.

Choose whether to match or not match the files in the list.

Choose whether to include files with no extension.

Enter the comma separated list of file extensions.

Condition Name:

Condition Type: List Item File Extension

Check this box to process the rule when the file extension is in the list. Clear it to process the rule when the file extension is not in the list.

☒

Check this box to include files with no extension in the list.

☒

Enter the file extensions to check for the rule.

See the following table for a description of all fields.

Field Name	Description
Condition Name	Enter a name for the condition.
Check This box to process the rule...	Checking this first box will process the rule for the file extensions on the list. Unchecking the box will process the rules for file extensions that are not on the list.
Check this box to include	Checking this box will include files with no extension in the list.

## Rule Conditions

Rule Conditions is the section where you select the conditions that will be used with the rule.

The interface shows a list of conditions on the left. The 'Match on:' box is currently empty. The '^' and 'v' buttons are located to the right of the 'Match on:' box.

The condition can be highlighted in the left column, and brought over as a selection to the right "Match on" column, using the >> button. Likewise, it can be deselected by using the << button.

Rule Conditions	Description
List Name	This condition allows you to apply the rule to a specified list.
List Item Column	This condition allows you to apply the rule to a value of the list item.
List Item Content Type	The condition allows you to apply the rule to a content type.
Folder Path	The condition allows you to apply the rule to a specific folder path.
List Item File Size	The condition allows you to apply the rule to a specific list item file size.
List Item File Extension	The condition allows you to apply the rule based on specified file extensions.

**i** | **NOTE:** Rule Conditions to test List Item column, content type, and folder path cannot be evaluated for deleted items. The rule is never triggered.

## Rule Actions

Rule Actions is the section where specific actions are selected to be applied to the rule.

The screenshot shows a user interface for configuring rules. On the left is a list of actions: 'Skip Event', 'Skip Event and Delete Item', 'Change Event Classification', 'Redirect to Selected Connections', 'Redirect Using Lookup List', and 'Stop Processing Rules'. To the right of this list are two buttons: '>>' and '<<'. Further right is a large empty box labeled 'Apply Action:'. To the right of this box are two buttons: '^' and 'v'.

The action can be highlighted in the left column, and brought over as a selection to the right "Apply Action" column, using the >> button. Likewise, it can be deselected by using the << button. The ^ and v buttons allow you to organize the order in which the actions will be performed.

Rule Actions	Description
Skip Event	Skip replication for the specified event
Skip Event and Delete Item on Target	Skips replication for the specified event and deletes it on the Target.
Change Event Classification	Changes the classification of the event
Redirect to Selected Connections	Redirects the event to the specified connections and groups
Redirect Using Lookup List	Redirects the event to groups and connections, specified in a lookup list.
Stop Processing Rules	Stops the actions of the current rule and all subsequent rules for this event.

**NOTE:** Upon completion of this page, select **Next** to be directed to the next step of the rule configuration process.

The following is an overview of all the rule actions available when configuring your rules.

### Skip Event Action

This action allows you to skip replication when all rule conditions are met.

Action Name:

Skip Event

Action Type: Skip Event

When all rule conditions are met, do not replicate this event.

See the following table for a description of all fields.

Field Name	Description
Action Name	Enter a name for the action.

### Skip Event and Delete Item on Target Action

This action allows you to skip replication and delete the item on the target when all rule conditions are met.

Action Name:

Skip Event and Delete Item on Targets

Action Type: Skip Event and Delete Item on Targets

When all rule conditions are met, do not replicate this event and delete the corresponding item on all target web applications.

See the following table for a description of all fields.

Field Name	Description
Action Name	Enter a name for the action.

### Change Event Classification Action

This action changes the classification of the event. In this section you can configure the Change Event Classification action.

Action Name:

Change Event Classification

Action Type: Change Event Classification

When all rule conditions are met, change the event's classification to:

Normal

See the following table for a description of all fields.

Field Name	Description
Action Name	Enter a name for the action.
When all rule conditions are met	Select the classification which the event will be changed to once all rule conditions have been met.

### Redirect to Selected Connection

This action redirects the event to the specified connections and groups. In this section you can configure the Redirect to Selected Connection action.

Action Name:

Redirect to Selected Connections

Action Type: Redirect to Selected Connections

When all rule conditions are met, redirect the event to the selected groups and connections.

Branch Office Group European Offices Group Extranet Group Worldwide Connections	>>  <<	Replicate to: American Offices Group
Corporate to London Corporate to New York	>>  <<	Replicate to:

See the following table for a description of all fields.

Field Name	Description
Action Name	Enter a name for the action.
Replication Groups	By highlighting and pushing >> you can add a replication group to the right hand list, denoting which replication groups will be used to override the replication connections for the current package. To deselect a replication group, highlight it in the right hand column and press the << button.
Replication Connections	By highlighting and pushing >> you can add a replication connection to the right hand list, denoting which replication connections will be used to override the replication connections for the current package. To deselect a replication group, highlight it in the right hand column and press the << button.



**NOTE:** Redirect rules are intended for use on hub and spoke configurations where the servers on the spokes only have one connection back to the hub.

If the spoke servers have more than one connection then the packages directed to them using a redirect rule will be automatically cascaded to the servers along the other connections.

## Redirect Using Lookup List

This action redirects the event to groups and connections, specified in a lookup list. In this section you can configure the Redirect to Selected Connection action.

Action Name:

Redirect Using Lookup List

Action Type: Redirect Using Lookup List

When all rule conditions are met, redirect the event using the following lookup list.

Web Site with lookup list:

/

Load

Lookup List:

Replicator Redirection List

Column with redirect group name:

Target Group

Column with redirect connection name:

Target Connection

Replicated List Column

Lookup List Column

Region

contains

Target Name

Delete

Add Condition

If no mapping matches are found:

- ☒ Send the event to the map family's connections
- ☐ Do not replicate the event

Refer to [Redirecting Replication to Specific Targets](#) for more information about the Redirect actions.

See the following table for a description of all fields.

Field Name	Description
Action Name	Enter a name for the action.
Web Site with lookup list	Enter the path for the website containing the lookup list and click load.
Lookup List	Select the name of the lookup list.
Colum with redirect group name	Select a column that contains the Replication Group to be used with this rule.
Colum with redirect connection name	Select a column that contains the Replication Connection to be used with this rule.
Add Condition	Click the button to add a condition. Clicking it multiple times allows you to add multiple

Field Name	Description
	conditions.
Lookup List Column	Select the lookup list column value.
Process Rule Condition	Select the operator that will be used to compare the lookup list column with the replicated list column.
Replicated List Column	Enter the name of the list column which will be compared to the lookup list column.
Delete	Click the button to remove a condition.
If no mapping matches are found	Choose to either send the event to the map family's connections or to not replicate the event at all in the event that no mapping matches are found.

**i** **NOTE:** Redirect rules are intended for use on hub and spoke configurations where the servers on the spokes only have one connection back to the hub.

If the spoke servers have more than one connection then the packages directed to them using a redirect rule will be automatically cascaded to the servers along the other connections.

## Stop Processing Rule

This action changes stops the action of the current rule and all subsequent rules for this event.

Action Name:

Stop Processing Rules

Action Type: Stop Processing Rules

When all rule conditions are met, stop processing subsequent rules.

See the following table for a description of all fields.

Field Name	Description
Action Name	Enter a name for the action.

This Sections allows you to specify whether you would like the rule to be enabled or not, and provides a summary of the rule. In order to change the settings, click Edit.

<b>Rule Finish</b> Enable or disable this rule.	Enable this rule: <input checked="" type="radio"/> Yes <input type="radio"/> No
<b>Rule Summary</b> This section summarizes the settings for this rule. Click Edit to change any of these settings.	Skip
<b>General Settings</b> <ul style="list-style-type: none"><li>• Process Order for this Rule: 3</li><li>• Apply this rule to events originating: http://corporateoffice</li><li>• Process this rule on: Captured and Queued Events</li><li>• Use this Rule on: Outbound events</li></ul>	
<b>Rule Conditions</b> <ul style="list-style-type: none"><li>• List name is equal to 'Announcement'</li></ul>	
<b>Rule Actions</b> <ul style="list-style-type: none"><li>• Skip event</li></ul>	

## Rule Finish

To enable the rule select **Yes**, to leave the rule disables select **No**.

## Rule Summary

A summary of the rule that you have created thus far is provided here.

Upon completion of this page, select **Finish** to create the rule.

When an Item is added to a document library that uses custom columns, two events occur in SharePoint. An event occurs once the list item is added, and an event occurs when metadata is set for the item. If a Skip rule is set up, the rule is not processed on the first event, the list item add, it is processed on the second event. This results in the initial replication of a list event that may need to be filtered, as per the skip rule's specification. In order to set ensure that the rule filters on the first event, you must complete the following steps:

- Make at least one of the custom columns required. This prevents SharePoint from saving the document until a value is set for the column.
- Give at least one of the custom columns a default value and set a rule that does not replicate the item until the value is changed.
- Make a general rule that skips replication when the custom columns are blank.



The following is an explanation of how to create rules that mimic complex rule logic:

- Use an **AND** clause to specify multiple conditions within a single rule. All conditions must be met for the actions to be processed.
- Use an **OR** clause to specify multiple rules. Each rule is processed in order, regardless of the result of the previous rules.
- To stop processing after a set of conditions is met, use the **Stop Processing Rules** action. After this action, no other rule processing is done for the list item.

For extremely complex rules, we recommend creating a new calculated column in SharePoint and entering the rule logic there. This column can be hidden from views and a simple Replicator Rule can be built that uses the resulting value of the calculated column.

This section will provide you with a quick overview of what you can use rules for, as well as a few common rule setup examples.

## Uses for Rules

Rules are used in order to change the default replication behaviour of list item events within SharePoint. Rules are commonly used for the following:

- Skipping replication of list item events
- Deleting unwanted list items on replication targets
- Changing the event classification
- Redirecting replication to non-default targets
- Prioritizing replication
  - See [Prioritizing Replication Events](#) for more details.

## Skip Replication When List Item Column Does Not Equal Approved (Example 1)

This section will run through a simple rule set up in which Replication will be skipped for any items that have not been approved.

1. Give your rule a name, and description.

Rule Name:

Description:

Process Order for this Rule:

Apply this rule to events originating:

Use this Rule on:

2. Select **List Item Column** as the rule condition.

Match on:

List Name	>>	List Item Column	^
<b>List Item Column</b>			
List Item Content Type	<<		
Folder Path			
List Item File Size			
List Item File Extension			V

3. Select **Skip Event** as the rule action. Then select Next.

Apply Action:

<b>Skip Event</b>	>>	Skip Event	^
Skip Event and Delete Item or			
Change Event Classification	<<		
Redirect to Selected Connecti			
Redirect Using Lookup List			
Stop Processing Rules			V

4. Enter a list item column which your test condition is matched against. In this example, the list item column name is Approval, and the test condition is "not equal to" the state of Approved, stating that in the event that the item's Approval column is not equal to Approved, the following action will occur - by selecting next you continue to the action section.

Condition Name:

Condition Type: List Item Column

Process rule actions for lists with versioning enabled:  
☒ On any update to the list item   ☐ Only when this column changes

Process rule when column:

5. This screen reviews the action name, and the action type. This determines what happens when the list item column Approval is not equal to Approved. In this case, Replication is skipped.

Action Name:

Action Type: Skip Event  
 When all rule conditions are met, do not replicate this event.

6. The last screen provides an overview of the rule, and allows for the enabling of the rule.

Enable this rule:

☒ Yes ☐ No

Skip Replication when item is not Approved

When the list item has not been approved, skip replication.

#### General Settings

- Process Order for this Rule: 1
- Apply this rule to events originating: http://corporateoffice
- Process this rule on: Captured and Queued Events
- Use this Rule on: Outbound events

#### Rule Conditions

- List item column 'Approval' is not equal to Approved
  - Process rule actions on any update to list items.

#### Rule Actions

- Skip event

## Skipping Replication For Multiple Lists (Example 2)

The following example will demonstrate how to set up a rule which allows you to skip replication for multiple lists.

Set up multiple rules, one for each list

This would require you to create the following rule for each of the lists you wish to skip replication for:

1. Enter details for the rule you're creating.

Rule Name:

Do not replicate calendars.

Description:

Skip replication when list name is equal to calendar.

Process Order for this Rule:

1

Apply this rule to events originating:

At this location only.

Use this Rule on:

Captured and Queued Events

2. Select List Name as the condition.

Match on:

List Name	>>	List Name	^
List Item Column	<<		v
List Item Content Type			
Folder Path			
List Item File Size			
List Item File Extension			

3. Select Skip Event as the action.

Apply Action:

Skip Event	>>	Skip Event	^
Skip Event and Delete Item or	<<		v
Change Event Classification			
Redirect to Selected Connecti			
Redirect Using Lookup List			
Stop Processing Rules			

4. Set the List Name to equal your list of choice. For example, "Calendar".

Condition Name:

List Name

Condition Type: List Name

Process rule condition when list or library name:

is equal to

Calendar

5. Leave the action name as Skip Event.

Action Name:

Skip Event

Action Type: Skip Event

When all rule conditions are met, do not replicate this event.

6. Complete setup of the rule by selecting Finish.

7. Add more rules, following these same steps, for each additional list you want to skip.

## Synchronize Content

The Synchronize Content link opens the Configure Content Synchronization Job page for a Replication Map.

**i** **NOTE:** For information on how to Synchronize Managed Metadata see the Replicating Managed Metadata Scenario Guide.

## Configure Content Synchronization Job

The Configure Content Synchronization Job page is accessed by clicking **Synchronize Content** on the Manage Map Family page. This page is used to push the synchronize of specific events for immediate replication.

# Configure Content Synchronization Job ①

Metalogix Replicator

Web Application: http://corporateoffice/

OK

Cancel

Replication Map Info

SharePoint content will be queued for replication based on the scope of this replication map.

Map Name: Portal Map Family - / - Web Site

Replication Map URL: /

Map Family: Portal Map Family

Scope: WebSite

Content Synchronization Job Name

Enter a name to identify this content synchronization job

Content Synchronization Job Type

Select Full Structure Synchronization to synchronize the full structure and content from this location to the specified target or limit scope by selecting specific events for synchronization.

Select Content Difference Synchronization to synchronize only the differences in list and library content between this location and the specified target. (Only available for web site, list and folder maps.)

☒ Full Structure Synchronization

☐ Content Difference Synchronization

Child Map Content

Select whether the SharePoint content of child maps should be included in this job.

☐ Include child maps.

Replication Events

Select whether all queueable events, including events that are not supported by live replication are available for queuing.

Select the events to determine the kind of SharePoint content that will be included in this job.

☐ Show all queueable events

Event Group

Web Site

Workflow

Selected

☒ All Events

☐ All Events

Advanced

Advanced

Content will be queued for the Map that was selected. All the information about the selected map is provided in the Replication Map Info section.

Replication Map Info

SharePoint content will be queued for replication based on the scope of this replication map.

Map Name: Portal Map Family - / - Web Application

Replication Map URL: /

Map Family: Portal Map Family

Scope: WebApplication

Enter a name to identify this content synchronization job. This name will be displayed on the Content Synchronization Job page.

Content Synchronization Job Name

Enter a name to identify this content synchronization job

Corporate Office Synch Job

This option is available to change when performing a content synchronization at the web site level. It allows users to choose whether they would like their content synchronization job to be a full structure synchronization (which will synchronize the full structure and content from this location to the specified limit scope), or a content difference synchronization (which will synchronize only the differences in list and library content between this location and the specified target).

Content Synchronization Job Type

Select Full Structure Synchronization to synchronize the full structure and content from this location to the specified target or limit scope by selecting specific events for synchronization.

Select Content Difference Synchronization to synchronize only the differences in list and library content between this location and the specified target. (Only available for web site, list and folder maps.)

☐ Full Structure Synchronization

☒ Content Difference Synchronization

If content difference synchronization is selected, the synchronization settings change to allow users to specify if they would like to include list item deletes for items only on the destination, and whether they would like to overwrite newer items on the destination, ignoring conflicts.

Synchronization Settings

This location will be used as the source of truth for the comparison of list items and documents with the locations specified by the selected target replication connections.

Source list items and documents not found on the target and source list items and documents with a newer modified date than the target will be sent to the target for synchronization.

Include List Item Deletes for Items Only on the Destination

☐ Yes ☒ No

Overwrite Newer Items on the Destination (Ignore Conflicts)

☐ Yes ☒ No

If full structure Synchronization is selected, then users have the option to select which [Replicator Events](#) they would like synchronized.

This section allows you to select the type of content that will be replicated in this synchronization job.

Select **Include child maps** to see all, and select which, Event Groups for this map and any maps under its scope.

Selecting **Include child maps** will also Queue Replication for this map family, and all of its child maps. For example, if you are queuing the web application map at <http://corporateoffice>, then selecting this option also queues events for the <http://corporateoffice> site collection and web site maps, as well as maps for other site collections and web sites under the web application.

Replication Events

Select whether the SharePoint content of child maps should be included in this job.

☒ Include child maps.

☐ Show all queueable events

Select whether all queueable events, including events that are not supported by live replication are available for queuing.

Select the events to determine the kind of SharePoint content that will be included in this job.

Select the target Replication connection that will be used for this job.

Select Replication Connection: (All)

Event Group	Selected
Web Application	<input checked="" type="checkbox"/> All Events
Site Collection	<input checked="" type="checkbox"/> All Events
Web Site	<input checked="" type="checkbox"/> All Events
List	<input checked="" type="checkbox"/> All Events
List Item	<input checked="" type="checkbox"/> All Events
Workflow	<input type="checkbox"/> All Events

Advanced

Advanced

Advanced

Advanced

Advanced

Advanced

Advanced

## Replication Events

The Replication Events section will define which SharePoint events are queued for immediate replication. If **All Events** are selected, all events under the selected category are queued for every Replication Map.

Event Group Selected		
Web Application	<div>Site Collection Add</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
Site Collection	<input checked="" type="checkbox"/> All Events	<a href="#">Advanced</a>
Web Site	<input checked="" type="checkbox"/> All Events	<a href="#">Advanced</a>
List	<input checked="" type="checkbox"/> All Events	<a href="#">Advanced</a>
List Item	<input checked="" type="checkbox"/> All Events	<a href="#">Advanced</a>
Workflow	<input type="checkbox"/> All Events	<a href="#">Advanced</a>

Click **Advanced** to open the Advanced selection options, which allow highly detailed, very specific customization of the replication process.

Replication Events

Select whether the SharePoint content of child maps should be included in this job.

Select whether all queueable events, including events that are not supported by live replication are available for queuing.

Select the events to determine the kind of SharePoint content that will be included in this job.

Select the target Replication connection that will be used for this job.

☒ Include child maps.  
☐ Show all queueable events  
 Select Replication Connection:  
 (All)

Event Group	Selected	
Web Application	<div>Site Collection Add</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
Site Collection	<div>User Add</div> <div>Group Add</div> <div>Feature Update</div> <div>Social Follow Add</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
Web Site	<div>Site Master Page Update</div> <div>Site Title Update</div> <div>Site Welcome Page Update</div> <div>Site Tree View Update</div> <div>Site Theme Update</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
List	<div>List Add</div> <div>View Add</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
List Item	<div>List Item Add</div> <div>Folder Add</div> <div>Web Part Page Update</div>	<a href="#">Select All</a> <a href="#">Clear All</a>
Workflow	<div>Workflow Association Add</div> <div>Workflow Instance Add</div> <div>Web Workflow Instance Add</div>	<a href="#">Select All</a> <a href="#">Clear All</a>

Clicking **Advanced** displays specific options for replication. Any item selected from the options list will be replicated on the Target Web Application. Items which are not selected will not be replicated.

**Select All** selects all of the items for replication, and **Clear All** clears all of the items, allowing users to define a more limited selection.

Shift-click allows you to select a range of contiguous options. Ctrl-click allows you to select non-contiguous options.

**i** | **NOTE:** Queuing the "Add" events will queue all available entities for that event from the source. If the entity exists on the target, it will be updated. If it does not, it will be added.

## PowerShell Queuing Examples

The following scenarios demonstrate the differences between Queue Map commands in versions of Replicator earlier than 7.4.1706 and in version 7.4.1706 to 7.4.1905 (where Repadmin was deprecated, and PowerShell commands were enhanced).

**i** | **NOTE:** For version 7.4.1905 and later, the PowerShell command Queue-ReplicatorMap has been changed to Schedule-ReplicatorMap

### PowerShell Queuing Scenarios

#### Scenario: Queue Web Application and all children in the hierarchy

##### PowerShell in V7.4.1905 and later:

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication" -Type
WebApplication -IncludeChildTypes SiteCollection,WebSite,List,Folder -
JobName "Test"
```

##### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type
WebApplication -IncludeChildTypes SiteCollection,WebSite,List,Folder -
JobName "Test"
```

##### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS> Queue-ReplicatorMap -URL "http://localwebapplication" -Type
WebApplication -IncludeChildren
Repadm -o QueueMap -URL "http://localwebapplication" -Type WebApplication
-IncludeChildren True
```

#### Scenario: Queue Site Collection and all children in the hierarchy

##### PowerShell in V7.4.1905 and later:

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication" -Type
SiteCollection -IncludeChildTypes Website,List,Folder -JobName "Test"
```

##### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type
SiteCollection -IncludeChildTypes Website,List,Folder -JobName "Test"
```

##### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS> Queue-ReplicatorMap -URL "http://localwebapplication" -Type
SiteCollection -IncludeChildren
Repadm -o QueueMap -URL "http://localwebapplication" -Type SiteCollection
-IncludeChildren True
```



## PowerShell Queuing Scenarios

Scenario: Queue Web Site group events without children in the hierarchy

**PowerShell in V7.4.1905 and later:**

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication" -Type Website -JobName "Test"
```

**PowerShell in v7.4.1706 to v7.4.1904:**

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -JobName "Test"
```

**PowerShell and Repadmin in v7.3.1705 and earlier:**

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -OnlySiteStructure -ExcludeEvents 100
Repadm -o QueueMap -URL "http://localwebapplication" -Type Website -OnlySiteStructure -ExcludeEvents 100
```

Scenario: Queue Web Site with all subsite content

**PowerShell in V7.4.1905 and later:**

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication" -IncludeChildTypes All -JobName "Test"
```

**PowerShell in v7.4.1706 to v7.4.1904:**

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -IncludeChildTypes All -JobName "Test"
```

**PowerShell and Repadmin in v7.3.1705 and earlier:**

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -IncludeChildren
Repadm -o queuemap -URL "http://localwebapplication" -Type Website -IncludeChildren True
```

Scenario: Queue only site content without subsites

**PowerShell in V7.4.1905 and later:**

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication" -IncludeChildTypes list,folder -JobName "Test"
```

**PowerShell in v7.4.1706 to v7.4.1904:**

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -IncludeChildTypes list,folder -JobName "Test"
```

**PowerShell and Repadmin in v7.3.1705 and earlier:**

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website
Repadm -o queuemap -URL "http://localwebapplication" -Type Website
```

Scenario: Queue Single List group events without children in the hierarchy

**PowerShell in V7.4.1905 and later:**

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication/Documents" -Type List -JobName "Test"
```

## PowerShell Queuing Scenarios

### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication/Documents" -Type List -JobName "Test"
```

### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -ListTitle "List title" -ExcludeEvents "0;5"
Repadm -o QueueMap -URL "http://localwebapplication" --Type Website -ListTitle "List title" -ExcludeEvents "0;5"
```

### Scenario: Queue List map and all children in the hierarchy

#### Powershell in V7.4.1905 and later:

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication/Documents" -Type List -IncludeChildTypes Folder -JobName "Test"
```

#### PowerShell inv7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication/Documents" -Type List -IncludeChildTypes Folder -JobName "Test"
```

#### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -ListTitle Documents
Repadm -o QueueMap - URL "http://localwebapplication" -Type Website -ListTitle Documents
```

### Scenario: Queue Folder map and all children in the hierarchy

#### Powershell in V7.4.1905 and later:

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication/Documents" -Type Folder -IncludeChildTypes Folder -JobName "Test"
```

#### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication/Documents" -Type Folder -IncludeChildTypes Folder -JobName "Test"
```

#### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -ListTitle Documents -OnlyListItems
Repadm -o QueueMap -URL "http://localwebapplication" -Type Website -ListTitle Documents -OnlyListItems
```

### Scenario: Queue Folder map and all children in the hierarchy exclude ListItemAdd event

#### Powershell in V7.4.1905 and later:

## PowerShell Queuing Scenarios

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication/Lists/Custom  
list" -Type Folder -IncludeChildTypes Folder -ExcludeEvents 0 -JobName  
"Test"
```

### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication/Lists/Custom  
list" -Type Folder -IncludeChildTypes Folder -ExcludeEvents 0 -JobName  
"Test"
```

### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -  
ListTitle "Custom List" -IncludeEvents 5  
Repadm -o QueueMap - URL "http://localwebapplication" -Type Website -  
ListTitle "Custom List" -IncludeEvents 5
```

## Scenario: Queue Folder map and all children in the hierarchy exclude FolderAdd event

### Powershell in V7.4.1905 and later:

```
PS>Schedule-ReplicatorMap -URL "http://localwebapplication/Lists/Custom  
list" -Type Folder -IncludeChildTypes Folder -ExcludeEvents 5 -JobName  
"Test"
```

### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication/Lists/Custom  
list" -Type Folder -IncludeChildTypes Folder -ExcludeEvents 5 -JobName  
"Test"
```

### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -  
ListTitle "Custom List" -IncludeEvents 0  
Repadm -o queuemap -URL "http://localwebapplication" -Type Website -  
ListTitle "Custom List" -IncludeEvents 0
```

## Scenario: Queue Folder map group events without children in the hierarchy

### Powershell in V7.4.1905 and later:

```
PS>Schedule-ReplicatorMap -URL  
"http://localwebapplication/Documents/Folder"" -Type Folder -JobName  
"Test"
```

### PowerShell in v7.4.1706 to v7.4.1904:

```
PS>Queue-ReplicatorMap -URL  
"http://localwebapplication/Documents/Folder"" -Type Folder -JobName  
"Test"
```

### PowerShell and Repadmin in v7.3.1705 and earlier:

```
PS>Queue-ReplicatorMap -URL "http://localwebapplication" -Type Website -  
ListTitle Documents -ListFolder Folder -OnlySpecifiedFolder  
Repadm -o queuemap --URL "http://localwebapplication" -Type Website -  
ListTitle Documents -ListFolder Folder -OnlySpecifiedFolder
```

This section lets you set the schedule you wish to use for this synchronization job. You may choose to run the job immediately, at a set date, at a set time interval, daily, weekly, monthly.

Content Synchronization  
Job Schedule  
Set the schedule you wish to use for this job.

Select "Immediately" to run this job now.

Select the "At set date and time" option to schedule the job to run once at a future date and time.

Select either the "At set time interval", "Daily", "Weekly", or "Monthly" options to run the job on a repeating schedule at a set time interval.

Schedule Job:

- ☒ Immediately
- ☐ At set date and time
- ☐ At set time interval
- ☐ Daily
- ☐ Weekly
- ☐ Monthly

If you make a scheduling selection other than Immediately, you are then given the option to choose whether to enable this scheduled Queue Map Job.

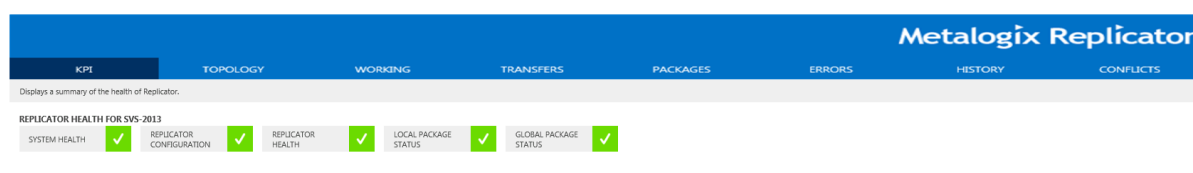
Enable this scheduled Queue Map Job:

- ☒ Yes
- ☐ No

# Monitor Replicator

Monitor Replicator is accessed by selecting Monitor Replicator from the Application Management page in Central Administration. Use the Monitor Replicator hub to view Replicator health statuses, active servers, packages currently being transferred, the current status of replicator packages, historical statistics of Replicator in your environment, and for the management of conflicts.

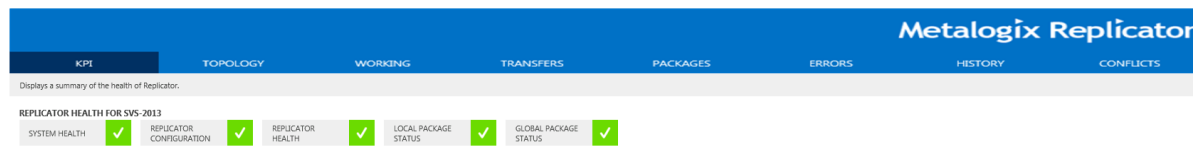
Monitor Replicator 



## KPI



The KPI tab of the Monitor Replicator page displays a summary of the health of Replicator.


Monitor Replicator 



## Status

For detailed information about the various statuses, for each health check, click on the health check to expand, and then click on the sub system health check for a message relaying the status of that particular check. You can also scroll over the various health checks for tool tips on the system requirements for that particular health check.






Colours	Meaning
Green 	All checks have come back successful, requirements have been met.
Yellow 	Warning, some dependencies may not be met. Open the health check for further details.

Colours	Meaning
Red 	An Error has occurred. Open the health check for further details.








## System Health

System Health provides an overview of the general health of the selected farm. This includes a check of the SharePoint system requirements and components and whether they are ready for use. Select System Health to expand the section for an overview of the various components that are checked to identify the health of your machine.

**REPLICATOR HEALTH FOR SVS-2013**

<b>SYSTEM HEALTH</b> 	REPLICATOR CONFIGURATION 	REPLICATOR HEALTH 	LOCAL PACKAGE STATUS 	GLOBAL PACKAGE STATUS 
--	--	---	--	---

Checks whether your SharePoint environment system requirements and components are ready for use.

Database Connections 	Database Disk Space 	System Memory 	System Disk Space 	SharePoint Administration Service 
SharePoint Timer Service 	Background Intelligent Transfer Service 			

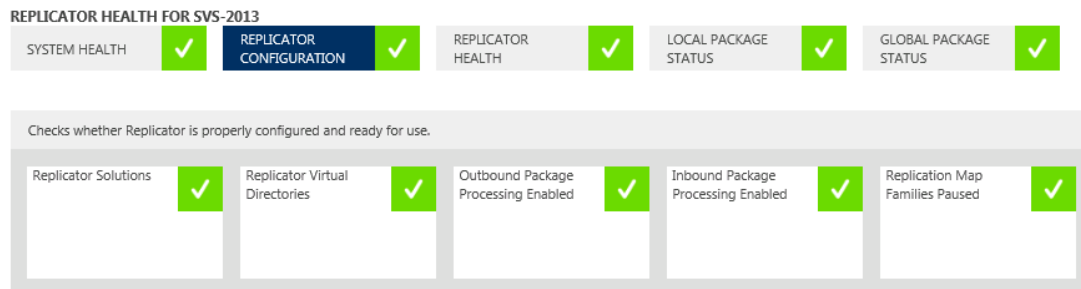
The health checks within the System Health section check for the following:

Health Check	Description
Database Connections	Checks if the Database specified is accessible.
Database Disk Space	Checks if there is disk space available for a database.
System Memory	Checks current available physical memory.
System Disk Space	Checks if there is disk space available for a temporary directory.
SharePoint Administration Service	Checks if SharePoint Administration service is running.
SharePoint Timer Service	Checks if SharePoint Timer service is running.
Background Intelligent Transfer Service	Checks if the Background Intelligent Transfer Service is running.

For further details click on the sub system health checks listed above.

## Replicator Configuration

Replicator Configuration provides an overview of the various configuration components required for replication. This check allows users to determine whether the selected farm has Replicator properly configured and is ready for use. Select Replicator Configuration to expand the section for an overview of the various components that are checked to identify the status of your Replicator configuration.



The health checks within the Replicator Configuration section check for the following:

Health Check	Description
Replicator Solution	Checks if the Replicator Content Solution is deployed to a Replicator enabled web application.
Replicator Virtual Directories	Checks if the virtual directory exists for a Replicator enabled web application.
Outbound Package Processing Enabled	Checks that outbound package processing has been enabled.
Inbound Package Processing Enabled	Checks that inbound package processing has been enabled.
Replication Map Families Paused	Checks if any Replication Map Families are paused on all Web Applications.

For further details click on the sub replication configuration checks listed above.

## Replicator Health

Replicator Health provides an overview of the health of your Replicator environment system requirements and components on the selected farm, and whether they are ready for use. Select Replicator Health to expand the section for an overview of the various components that are checked to identify the health of your servers.

**REPLICATOR HEALTH FOR SVS-2013**

SYSTEM HEALTH

REPLICATOR CONFIGURATION

**REPLICATOR HEALTH**

LOCAL PACKAGE STATUS

GLOBAL PACKAGE STATUS

Checks whether your Replicator environment system requirements and components are ready for use.

Replicator Servers	Replicator Connections Paused	Metalogix Replicator Service	Metalogix Replicator Transport Service	Replicator Data Disk Space
Metalogix Replicator Event Log	Replicator Event Log Disk Space	Replicator License	Replicator Maintenance Contract	

The health checks within the Replicator Configuration section check for the following:

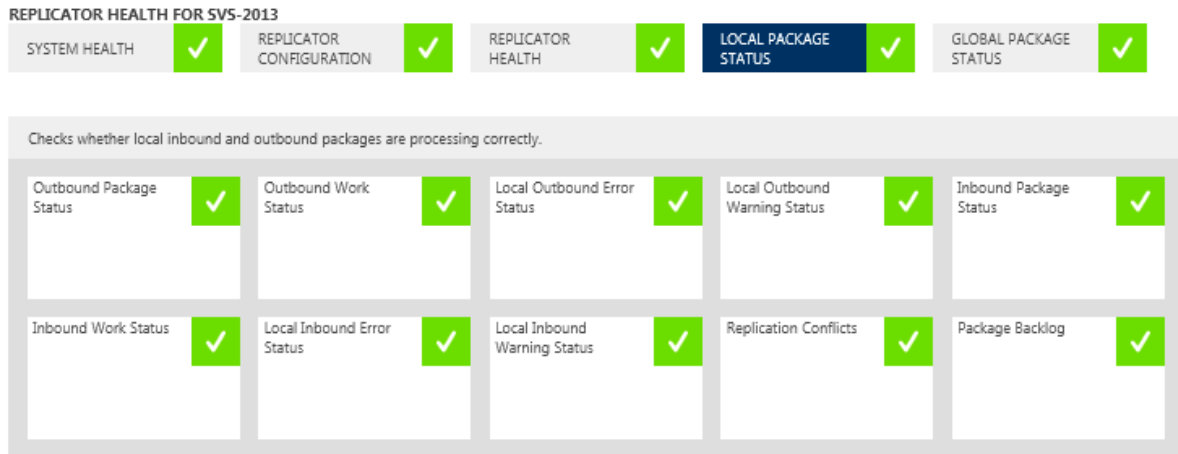
Health Check	Description
Replicator Servers	Checks for the existence of replication engines.
Replicator Connections Paused	Checks whether there are any paused replicator connections.
Metalogix Replicator Service	Checks if the Replicator service WSS40 is running.
Metalogix Replicator Transport Service	Checks if the Transport Service WSS40 is running.
Replicator Data Disk Space	Checks the Package Data path disk space. Checks the Cache path disk space. Checks the DC path disk space.
Metalogix Replicator Event Log	Checks the number of error records found in the Replicator Event Log.
Replicator Event Log Disk Space	Checks the disk space available for the event log.
Replicator License	Checks validity of replicator licenses.
Replicator Maintenance Contract	Checks validity of replicator maintenance.



For further details click on the sub replicator server checks listed above.

## Local Package Status

Local Package Status provides an overview of the status of local replication package processing for the selected farm. Select Local Package Status to expand the section for an overview of the various components that are checked to identify the status of local replication processing.



The health checks within the Local Package Status section check for the following:

Health Check	Description
Outbound Package Status	Checks whether outbound packages are being processed in a timely manner.
Outbound Work Status	Checks the work status of outbound package processing.
Local Outbound Error Status	Checks if there are any outbound packages in the Error state on a web application.
Local Outbound Warning Status	Checks if there are any outbound packages in the Warning state on a web application.
Inbound Package Status	Checks whether inbound packages are being processed in a timely manner.
Inbound Work Status	Checks the work status of inbound package processing.
Local Inbound Error Status	Checks if there are any Inbound packages in the Error state on a web application.
Local Inbound Warning Status	Checks if there are any Inbound packages in the Warning state on a web application.

Health Check	Description
Replication Conflicts	Checks if there are any inbound packages in the conflicts state on a web application.
Package Backlog	Checks the estimated processing time for packages on a given connection.

For further details click on the sub local replication checks listed above.

## Global Package Status

Global Package Status provides an overview of the status of global replication package processing for the selected farm. Select Global Package Status to expand the section for an overview of the various components that are checked to identify the status of global replication processing.

### REPLICATOR HEALTH FOR SVS-2013

SYSTEM HEALTH	✓	REPLICATOR CONFIGURATION	✓	REPLICATOR HEALTH	✓	LOCAL PACKAGE STATUS	✓	GLOBAL PACKAGE STATUS	✓
---------------	---	--------------------------	---	-------------------	---	----------------------	---	-----------------------	---

Checks whether global packages are processing correctly.	
Global Error Status	✓
Global Warning Status	✓

The health checks within the Global Package Status section check for the following:

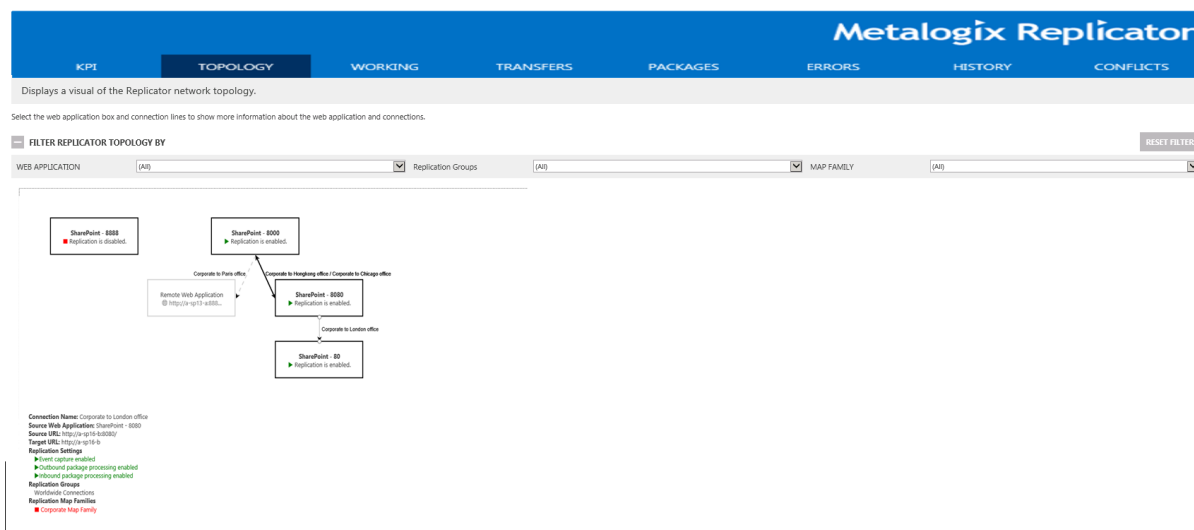
Health Check	Description
Global Error Status	Checks if there are and global package statuses with errors on a web application.
Global Warning Status	Check if there are global package statuses with warnings on a web application.

For further details click on the global status checks listed above.

# Topology

The Topology tab of the Monitor Replicator page displays a visual of your Replicator network topology. You can filter the topology by web application, replication groups, and/or map family.

Monitor Replicator 



When you click on a Web Application, information about the status of that web application's replication settings will be shown.

If you select a connection line, details about that connection will be shown.

The various symbols and line shades within the topology diagram mean the following:

- Solid Grey Line – Replicator connection has a map family which is disabled.
- Dashed Grey Line - Replicator connection is not used by any map family.
- Remote Web Application - The web application is not on the local farm.
- Red Pause button - Replication is disabled
- Green Triangle - Replication is enabled

# Working

The Working tab of the Monitor Replicator page displays the active servers and packages that are currently being worked on by Replicator.

## Monitor Replicator ⓘ

Metalogix Replicator

KPI

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Displays the active servers and the packages that are currently being worked on.

REPLICATION ENGINES

ENGINE	RUNNING	STATUS DATE	SERVICES
SVS-2013	✓	3/4/2014 11:41:02 AM	Transport Processing, Package Processing

ACTIVE PACKAGE THREADS

SITE COLLECTION	CLASSIFICATION	RUNNING FOR	SERVER	DIRECTION	PACKAGE
http://londonoffice	Normal	A few seconds	SVS-2013	▶ Inbound	1 of 1

## Replication Engines

The Replication Engines section displays all the current servers on the web application.

REPLICATION ENGINES			
ENGINE	RUNNING	STATUS DATE	SERVICES
SVS-2013	✓	3/4/2014 11:41:02 AM	Transport Processing, Package Processing



The following table details the information available for each active server:

Heading	Description
Engine	The engine name.
Running	Whether the engine is currently running.
Status Date	The time at which the current status for the engine was checked.
Services	The current services running on the engine.

## Active Package Threads

The Active Package Threads section provides an overview of the site collections that are currently being used to process replication.

### ACTIVE PACKAGE THREADS

SITE COLLECTION	CLASSIFICATION	RUNNING FOR	SERVER	DIRECTION	PACKAGE
<a href="http://corporateoffice">http://corporateoffice</a> 	Normal	2 minutes	SVS-2013	◀ Outbound	<a href="#">8 of 10</a>
<a href="http://londonoffice">http://londonoffice</a> 	Normal	2 minutes	SVS-2013	▶ Inbound	<a href="#">1 of 1</a>

The following table provides an overview of the details available for active package threads:

Heading	Description
Site collection	The name of the site collection.
Classification	The classification set for the site collection.
Running For	The amount of time that the site collection has been actively running threads.
Engine	The engine the site collection is located on.
Direction	The direction of package processing for this site collection on this web application.
Package	The number of packages currently being processed. Selecting a hyperlink under packages will take you to the package details page for that site collection. See the Package Details section below for more information.

# Transfers

The Transfers tab of the Monitor Replicator page displays the packages that are currently being transferred.

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Displays what packages that currently being transferred.

TRANSFERS QUEUE

CONNECTION	SERVER	DIRECTION	PROGRESS TRANSFERRED/TOTAL	ETA	STATUS	PACKAG
london to corporate	SVS-2013	▼ Download	<div><div></div></div> 28.4/28.4KB100%	0m	Transferred	
london to corporate	SVS-2013	▼ Download	<div><div></div></div> 13.6/13.6KB100%	0m	Transferred	
london to corporate	SVS-2013	▼ Download	<div><div></div></div> 512.6/512.6KB100%	0m	Transferred	
london to corporate	SVS-2013	▼ Download	<div><div></div></div> 16.4/16.4KB100%	0m	Transferred	

The following table provides an overview of the information available for queued transfers:

Specification	Description
Connection	The connection that the transfer is occurring on.
Server	The server that the transfer is occurring on.
Direction	Whether the transfer is being downloaded or uploaded.
Progress Transferred/Total	The progress of the transfer.
ETA	Estimated time of completion for the transfer.
Status	The current status of the transfer.
Package	The package containing the transfer. Selecting a hyperlink under packages will take you to the package details page containing this transfer. See the Package Details section for more information.

# Packages

The Packages tab of the Monitor Replicator page allows you to view and manage the status of Replication Packages.

## Monitor Replicator ⓘ

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Displays packages for the specified web application.

Web Application: <http://londonoffice/>

—

FILTER REPLICATION PACKAGES BY

APPLY FILTERS

RESET FILTERS

DIRECTION

Both

LOCAL STATUS

(All)

GLOBAL STATUS

(All)

GROUP

(All)

CONNECTION

(All)

MAP FAMILY

(All)

MAP NAME

QUEUE SET NAME

CLASSIFICATION

(All)

DELETE PACKAGE BY GLOBAL STATUS

☐ ALL

☐ ACTIVE

☐ COMPLETED

☐ ERROR

☐ CONFLICT

☐ WARNING

🗑

DELETE FILTERED PACKAGES

REPLICATION PACKAGES

🗑

DELETE SELECTED PACKAGES

<<

<

PAGE 1 OF 1

>

>>

	DIRECTION	MAP NAME	GROUP	CLASSIFICATION	LOCAL STATUS	STATUS DATE	GLOBAL STATUS	QUEUE SET NAME	CREATED DATE
<input type="checkbox"/>	Inbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	1/19/2015 12:36:23 PM	Completed	Captured	1/19/2015 12:35:42 PM

## Web Application

The list contains all configured Web Applications. Select a web application.

## Apply Filters

This button allows you to apply the specified filters to the monitor replication page.

## Reset Filters

This button allows you to reset all filters to their original settings on the monitor replication page.

## Direction

Filter your search by Direction. This list includes all possible directions in which replication packages can be moved. The Default, Both, shows inbound and outbound packages.

## Local Status

Filter your search by Local Status. This list includes all possible local statuses for the selected web application. The default Local Status (ALL) shows all the local statuses possible for an outbound or inbound package.

## Global Status

Filter your search by Global Status. This list includes all possible global statuses for the selected web application. The default Global Status (ALL) shows all the global statuses possible for an outbound or inbound package.

## Group

Filter your search by Group. This list includes all groups associated with the specified Web Application. The default Group (ALL) shows all the replication packages within all available replication groups in your selected Web Application.

## Connection

Filter by Connection name. This list includes all connections associated with the specified Web Application. The default Connection (ALL) allows you to see all the replication packages within all available connections in your selected Web Application.

## Map Family

This shows replication packages for a specific Map Family. Select a map family name from the Map Family drop down list to filter the packages for a particular set of maps.

To see package details, click on the link in the Map Name column.

## Map Name

Enter the exact map name to match packages against.



## Queue Set Name

Enter the full or part of the queue set name to match packages against.

## Classification

Filter by classification. This list includes all Classifications associated with a specified Web Application. The default Classification (ALL) allows you to see all the classifications that your replication packages may be set to.

## Actions

The following are actions that can be performed on the packages tab of the Monitor Replicator page.

### Delete Filtered Packages

Click Delete Filtered Packages to remove the packages you have filtered and those you have selected to delete by global status.

Delete by Global Status options:

Status	Description
All	Delete all packages.
Active	Delete all packages with a global status of Active.
Completed	Delete all packages with a global status of Completed.
Error	Delete all packages with a global status of Error.
Conflict	Delete all packages with a global status of Conflict.
Warning	Delete all packages with a global status of Warning.

### Delete Selected Packages

Click Delete Selected Packages to remove a package that has been selected from the current web application. You can select multiple packages at a time with the multi-select feature.

The columns on the Packages tab are detailed below:

Column	Description
Direction	This is the direction in which the package was moved.
Map Name	This is the name of the map which contains the connection on which the package was sent.
Group	This is the group which contains the connection on which the package was sent.
Classification	The Classification for the package.
Local Status	This is the local status of the package.
Status Date	This is the date on which the status occurred.
Global Status	This is the Global status of the package.
Queue Set Name	This name associates the package with a specific queue operation. Captured events have a queue set name of "Captured".
Created Date	The date on which the package was created (local time).

## Errors

The Errors tab of the Monitor Replicator page displays package aggregation error statuses for your Web Applications and Map Families.

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Displays an aggregation of local errors by Map Family and error type.

Web Application Error Status

SharePoint - 8000  
Errors: 68

SharePoint - 8888  
Errors: 0

SharePoint - 8080  
Errors: 7

Map Families

Displays the number of local errors by map family. Select a map family card for more information about the errors.

Portal Map Family  
Errors: 7

List of errors for the selected map family, ordered by frequency.

EVENT STATUS MESSAGE	ERROR COUNT	LAST OCCURRENCE
You cannot remove the owners from the list of Web site collection administrators.	3	2/18/2020 4:04:38 PM
Specified folder 'AssetLib/Forms/Video' could not be found.	2	2/18/2020 4:09:29 PM
ERRORS: Error applying web part handler 'Metalogix.Replicator.WSS40.WebPartHandlers.XsltListViewWebPartHandler', Unable to locate list: Release Schedule at /Testwebpart Error applying web part handler 'Metalogix.Replicator.WSS40.WebPartHandlers.XsltListViewWebPartHandler', Unable to locate list: Vacation Destinations at /Testwebpart	1	2/18/2020 5:07:27 PM
ERRORS: Error applying web part handler 'Metalogix.Replicator.WSS40.WebPartHandlers.XsltListViewWebPartHandler', Unable to locate list: Shared Documents at /documentWS	1	2/18/2020 4:56:58 PM

The following packages contain events with the error:

ERRORS:

Error applying web part handler 'Metalogix.Replicator.WSS40.WebPartHandlers.XsltListViewWebPartHandler',

Unable to locate list: Release Schedule at /Testwebpart

Error applying web part handler 'Metalogix.Replicator.WSS40.WebPartHandlers.XsltListViewWebPartHandler',

Unable to locate list: Vacation Destinations at /Testwebpart

Select package date to open package details page (top ten packages listed).

Package Date:

2/18/2020 4:26:04 PM

Clicking on a web application or map family will provide you with the status of package errors, including the status message, the error count and the last occurrence of the error. Selecting a package date will open the package details page.

# History

The History tab of the Monitor Replicator page displays historical statistics of package transfer counts and the total amount of data transferred as well as the current disk and server statistics.

**KPI** **TOPOLOGY** **WORKING** **TRANSFERS** **PACKAGES** **ERRORS** **HISTORY** **CONFLICTS**

Displays historical statistics of package transfer counts and total amount of data transferred as well as current disk and server statistics.

LOCAL PACKAGE OVERVIEW SHOW PACKAGES FROM LAST 24 HOURS

WEB APPLICATION	ENABLED	LAST PROCESSED	OUTBOUND				INBOUND				CONFLICTS	
http://corporateoffice/		A few seconds ago	5	23	0	0	A few seconds ago	0	2	0	0	0
http://londonoffice/		1 minute ago	0	2	0	0	1 minute ago	15	6	2	0	0

LOCAL TRANSFER STATISTICS

WEB APPLICATION	CONNECTION	LAST PACKAGE	OUTBOUND DATA TRANSFERRED	INBOUND DATA TRANSFERRED
http://corporateoffice/	Corporate to London	10-28-2013 11:29 AM	8.81 MB	0.01 MB
http://londonoffice/	London to Corporate	10-28-2013 11:29 AM	0.02 MB	0.08 MB

TOTALS SINCE 10-28-2013 11:27 AM

## Local Package Overview

Local package overview shows the package overview for the specified time period. Specify the time period by selecting it from the "Show Packages From" drop down list.









LOCAL PACKAGE OVERVIEW

SHOW PACKAGES FROM LAST 24 HOURS

WEB APPLICATION	ENABLED	LAST PROCESSED	OUTBOUND				INBOUND				CONFLICTS	
http://corporateoffice/		A few seconds ago	5	23	0	0	A few seconds ago	0	2	0	0	0
http://londonoffice/		1 minute ago	0	2	0	0	1 minute ago	15	6	2	0	0

The columns for the local package overview are detailed below:

Statistic	Description
Web Application	The web application that local package overview is provided or.
Enabled	Whether the web application is enabled
Outbound Last Processed	The last time that outbound packages were processed on this web application.
Outbound	The number of outbound packages that have a Status of Active on this web application.

Statistic	Description
 Active	Selecting this number will take you to the Packages tab.
Outbound  Completed	The number of outbound packages that have a Status of Completed on this web application. Selecting this number will take you to the Packages tab.
Outbound  Warnings	The number of outbound packages that have a Status of Warnings on this web application. Selecting this number will take you to the Packages tab.
Outbound  Errors	The number of outbound packages that have a Status of Error on this web application. Selecting this number will take you to the Packages tab.
Inbound Last Processed	The last time that inbound packages were processed on this web application.
Inbound  Active	The number of inbound packages that have a Status of Active on this web application. Selecting this number will take you to the Packages tab.
Inbound  Completed	The number of inbound packages that have a Status of Completed on this web application. Selecting this number will take you to the Packages tab.
Inbound  Warnings	The number of inbound packages that have a Status of Warning on this web application. Selecting this number will take you to the Packages tab.
Inbound  Errors	The number of inbound packages that have a Status of Error on this web application. Selecting this number will take you to the Packages tab.
Conflicts	Number of conflicts on the web application. Selecting this number will take you to the Conflicts tab.

## Local Transfer Statistics

Local Transfer Statistics provides an overview of the transfer statistics for the specified time period.

### LOCAL TRANSFER STATISTICS

WEB APPLICATION	CONNECTION	LAST PACKAGE	OUTBOUND DATA TRANSFERRED	INBOUND DATA TRANSFERRED
<a href="http://corporateoffice/">http://corporateoffice/</a>	Corporate to London	10-28-2013 11:29 AM	8.81 MB	0.01 MB
<a href="http://londonoffice/">http://londonoffice/</a>	London to Corporate	10-28-2013 11:29 AM	0.02 MB	0.08 MB
TOTALS SINCE 10-28-2013 11:27 AM				

The columns for the local package overview are detailed below:

Statistic	Description
Web Application	The web application that local transfer statistics are provided for.
Connection	The connection that this web application is using for package transfers.
Last Package	The last time at which a package was created for transfer.
Outbound Data Transferred	The amount of outbound data that has been transferred from this web application.
Inbound Data Transferred	The amount of inbound data that has been processed on this web application.

## Download Event Log

The Download Event Log link will take you to the Replicator Event Log page.

### Replicated Events Log

**Metalogix Replicator**

Web Application: <http://londonoffice/> ▼

Report Date Range: Start Date:  End Date:

Event Description:

Click Generate Report to create a replicator event processing log report.

## Transaction Logging

Transaction logging stores the following values for each transaction:

- Event ID
- Sequence Number
- Web Application ID
- Server ID
- Replication Map ID
- Package ID
- Event
- Event Capture Time
- Originating Event ID
- Originating Web Application
- Replication Direction
- Description
- Status
- Status Message
- Status Date
- User
- Site ID
- Web ID
- List ID
- Item ID
- Item GUID
- Item Name

```
- <ReplicatedEventsDS xmlns="http://www.syntergy.com/ReplicatedEvents.xsd">
  - <ReplicatedEvents>
    <EventID>ada10d44-1921-4475-a9c8-92746704bcf6</EventID>
    <SequenceNumber>1</SequenceNumber>
    <WebApplicationID>fcf2a6ad-31aa-43f3-b618-3caeed37a421</WebApplicationID>
    <ServerID>1</ServerID>
    <ReplicationMapID>82022920-85b6-46c9-8722-6589c4484ce0</ReplicationMapID>
    <PackageID>8faabf7a-69d5-422c-8e8b-50492590f1bd</PackageID>
    <Event>911</Event>
    <EventCaptureTime>2010-10-05 20:07:14</EventCaptureTime>
    <OriginatingEventID>ada10d44-1921-4475-a9c8-92746704bcf6</OriginatingEventID>
    <OriginatingWebApplication>SharePoint - corporateoffice80</OriginatingWebApplication>
    <ReplicationDirection>0</ReplicationDirection>
    <Description>Portal Map Family</Description>
    <Status>0</Status>
    <StatusMessage />
    <StatusDate>2010-10-05 20:07:15</StatusDate>
    <User />
    <SiteId>00000000-0000-0000-0000-000000000000</SiteId>
    <WebId>00000000-0000-0000-0000-000000000000</WebId>
    <ListId>00000000-0000-0000-0000-000000000000</ListId>
    <ItemId>-1</ItemId>
    <ItemGuid>00000000-0000-0000-0000-000000000000</ItemGuid>
    <ItemName />
    <QueueSetName>Captured</QueueSetName>
  </ReplicatedEvents>
</ReplicatedEventsDS>
```

The transaction log can be exported to an XML archive file, which can be opened with any of the following tools:

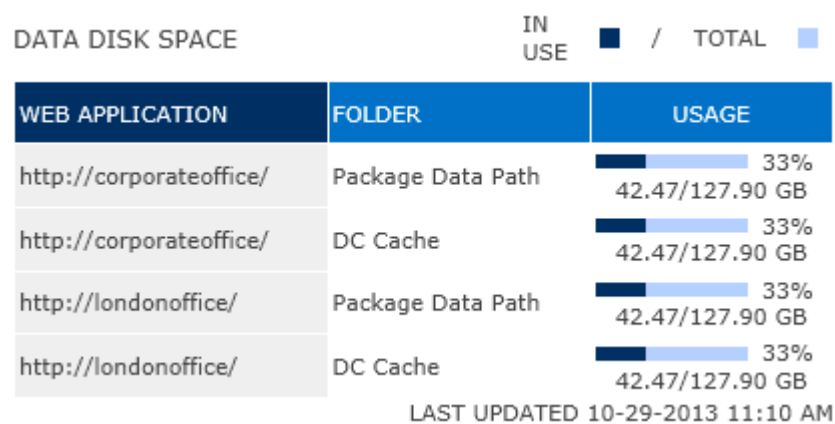
- Internet Explorer
- Excel (XML format)
- Any other tools that display XML files

## Cleaning the Event Processing Log

Transaction logging uses an automatic process to clear items from the log, to prevent it from becoming too large. By default, events are cleared from the log after 5 days. You can change this setting on the Configure Web Application page.

## Data Disk Space

Data Disk Space provides an overview of the usage of your Package Data Path folder, and DC Cache folder.



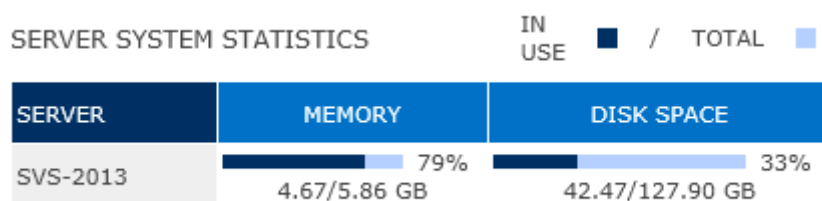
The columns for Data Disk Space overview are detailed below:

Statistic	Description
Web Application	The web application that disk statistics are provided for.
Folder	The folder on the web application for which the disk statistics are provided.
Usage	The amount of space in this folder currently being used compared to the total available.



## Server System Statistics

Server System Statistics provides an overview of the usage of available memory on your server, and the usage of available disk space on your server.



The columns for Server System Statistics overview are detailed below:

Statistic	Description
Server	The name of the server for which server statistics are being shown.
Memory	The amount of memory on this server that is being used compared to the total available.
Disk Space	The amount of disk space being used compared to the total available.

## Conflicts

The Conflicts tab of the Monitor Replicator page allows you to monitor and manage replication events that Replicator has identified as conflicts for connections that have been set to Generate Conflict. You can manage conflicts by accepting or rejecting each conflict that has occurred.

Metalogix Replicator					
KPI	TOPOLOGY	WORKING	TRANSFERS	PACKAGES	ERRORS
					HISTORY
CONFLICTS					
Displays a list of active conflicts awaiting resolution.					
CONFLICTS QUEUE					
SITE	ITEM DETAILS	DESCRIPTION	CONFLICT DATE		
http://corporateoffice/	Calendar/j7	Attempting to replicate 'j1' from Portal Map Family - / - Web Site. 'Calendar' contains a more recent copy of 'j1'.	10/24/2013 1:10:19 PM	Accept	Reject

The columns on Conflicts tab are detailed below:

Column	Description
Site	The site on which the conflict occurred.

Column	Description
Item Details	The name and library location of the conflict item.
Description	Description of the conflict.
Conflict Date	The date on which the conflict occurred.
Accept	This is the local status of the package.
Reject	This is the date on which the status occurred.

**NOTE:** Replication processing stops for the Web Application until the conflict is cleared. This page should be monitored regularly if any Replication Connection is configured to Generate Conflict.

## Package Details

The Package Details page details all the information available about a replicated package. The page is accessed by selecting a package hyperlink on one of the following pages:

- On the Working tab of the Monitor Replicator page, under the Package heading within the Active Package Threads section. Only accessible from this point when there are active threads currently working on package.
- On the Transfers tab of the Monitor Replicator page, by selecting the package symbol under the package heading for a specific transfer. Only accessible from this point when there are active transfers currently in progress.
- On the Packages tab of the Monitor Replicator page, by selecting the map name for a specific package. Only accessible when the package you wish to monitor has not been cleared from the page.

### Replication Package Details ⓘ

**PACKAGE DETAILS**

Displays packages for the specified web application.

MAP NAME	DIRECTION	REPLICATION GROUP	CREATED	CLASSIFICATION
Portal Map Family - / - Web Application	Inbound	Worldwide Connections	9/18/2014 1:02:33 PM	Normal

**LOCAL DETAILS**


LOCAL STATUS	LOCAL STATE	LAST UPDATE	AVAILABLE PARTS	STATUS MESSAGE
Completed	Applied	9/18/2014 1:03:21 PM	Metadata	

**LOCAL ACTIONS**

DELETE

## Package Information

The package information detailed at the beginning of the package details page.

	<b>MAP NAME</b>	<b>DIRECTION</b>	<b>REPLICATION GROUP</b>	<b>CREATED</b>	<b>CLASSIFICATION</b>
	Portal Map Family - / - Web Application	Inbound	Worldwide Connections	9/18/2014 1:02:33 PM	Normal

This information details the following:

Specification	Description
Map Name	The name, path, and scope of the map for events in this package.
Direction	The package's direction, either Outbound if it is being sent from this web application or Inbound if it is being received by this web application.
Replication Group	The replication group the package was sent to.
Created	The time when the package was created.
Classification	The Classification for the package.

## Local Details

The Local Details section provides an overview of the packages statuses on the local server, the server from which you are looking at the package.

### Local Details

<b>LOCAL STATUS</b>	<b>LOCAL STATE</b>	<b>LAST UPDATE</b>	<b>AVAILABLE PARTS</b>	<b>STATUS MESSAGE</b>
Completed	Built	10/29/2013 11:07:35 AM	Metadata	

The following table details the local details available for a package.

Specification	Description
Local Status	The status of the package on this web application.
Local State	The state of the package on this web application. States include: New, Extracted, Accepted, Built, Received, Applying, Applied, and Missing.
Last Update	The time when the local status last changed.

Specification	Description
Available Parts	The parts of the package that is available on this web application for replication to other web applications.
Status Message	Message describing the status of the package.

## Local Action

This section allows you to delete the package on the local server.

### LOCAL ACTIONS



## Events

The Events section provides an overview of the events that were included within the package.

EVENTS				
ORDER	TYPE	DESCRIPTION	STATUS	STATUS MESSAGE
1	SiteMasterPageUpdate	Corporate Portal		
2	SiteTitleUpdate	Corporate Portal		
3	SiteLogoUpdate	Corporate Portal		
4	SiteTreeViewUpdate	Corporate Portal		
5	SiteThemeUpdate	Corporate Portal		
6	WebPartPageUpdate	/default.aspx		
7	WebPartPageUpdate	/GettingStarted.aspx		
8	WebPartPageUpdate	/newsfeed.aspx		
9	SiteNavigationUpdate	Corporate Portal		
10	SiteNavigationUpdate	Quick launch		
11	SiteNavigationUpdate	SharePoint Top Navigation Bar		

The following table details the information available about events.

Specification	Description
Order	A number indicating where this event is sequenced relative to other events in this package.
Type	The type of event.
Description	The description of the event.
Status	The replication status for the event.

Specification	Description
Status Message	Any additional status messages related to the event.

## Global Details

The Global Details section provides an overview of the global status and details for the package.

### — GLOBAL DETAILS

GLOBAL STATUS

Active

GLOBAL STATUS DATE

10/22/2013 11:43:30 AM

The following tables describe the various global details for a package.

Specification	Description
Global Status	The status of the package globally.
Global Status Date	The time when the global status last changed.

## Package Connections

The Package Connections section provides an overview of the connection on which the package is being used.

### — PACKAGE CONNECTIONS

CONNECTION	REMOTE STATUS	STATUS DATE	AVAILABLE PARTS
Corporate to London	Active	10/22/2013 11:43:30 AM	None

The following table describes the various package connection details for a package.

Specification	Description
Connection	The name of the connection.
Remote Status	The remote status of the package on this connection.
Status Date	The time when the remote status last changed.
Available Parts	The parts of the package which are available globally.

## Package History

The package history section provides a detailed history for the package.

### PACKAGE HISTORY

EVENT	CONNECTION	STATUS	EVENT TIME	DETAILS	EVENT COUNT
Accepted Package			9/18/2014 1:02:33 PM		2
Waiting for Transfer of Metadata	london to corporate		9/18/2014 1:02:40 PM		1
Complete Transfer of Metadata	london to corporate		9/18/2014 1:02:46 PM	Transferred Bytes 5.86 KB	1
Received Package			9/18/2014 1:02:46 PM		1
Applying Package			9/18/2014 1:02:48 PM		1
Package Applied			9/18/2014 1:03:21 PM		1

The following table describes the various package history details for a package.

Specification	Description
Event	The type of event that occurred in the packaging process.
Connection	The connection that was used for the packaging event.
Status	The status of the packaging event.
Event Time	The time at which the packaging event took place.
Details	The parts of the package which are available globally.
Event Count	The number of times Replicator tried to apply the event.

## Advanced Details

This section includes the advanced details of the package.

### ADVANCED DETAILS

PACKAGE ID	QUEUE SET NAME:	REPLICATION MODE	PACKAGE SIZE	TOTAL TRANSFERRED BYTES
96ef11d4-38d5-4a78-98f3-0bc3c6373ce9	10/22/2013 3:39 PM UTC - Portal Map Family - / - Web Application	Direct	52.62 KB	n/a

The following table describes various advanced details for a package.

Specification	Description
Package Id	This is the package identification number.

Specification	Description
Queue Set Name	This is the set name applied to the package when it was in the queue. For example, if we capture an event, then Queue Set Name shows "Captured".
Replication Mode	This is the replication mode in which the package was transferred.
Package Size	This is the size of the package.
Total Transferred Bytes	This is the total number of inbound bytes that were transferred in this package.

# About Metalogix Replicator

Use the About Replicator screen to update the Replicator license key and to see supported SharePoint updates.

About Replicator

PRODUCT	ORIGINAL INSTALL DATE	VERSION
Metalogix Replicator for SharePoint	11/1/2012	7.4.1905.0

LICENSE	LICENSE TYPE	LICENSE STATUS
LICENSE KEY 32232-9K359-87387-A543D-5MCE9 LICENSE LAST REFRESHED 6/20/2019 9:47:12 AM UPDATE LICENSE KEY	LICENSE TYPE Enterprise Edition (Production) MAINTENANCE EXPIRATION 1/1/2100	Valid

FARM	SHAREPOINT VERSION	SERVERS IN THIS FARM RUNNING THE WEB APPLICATION SERVICE
FARM NAME SVS-2013 GET VERSION INFORMATION SUPPORT INFORMATION	15.0.4505.1002 Supported	1

## Product

This section shows the name of the product.

## Original Install Date

This section shows the date on which the product was originally installed.

## Version

This section shows the currently installed version of Metalogix Replicator.

## Support

This is a link to the Quest Support site.

## License

This section describes the current Replicator license



## License Key

This section provides you with your license key.

## License Type

This lists the type of License you have.

If you are currently evaluating Replicator, then you can also select the edition of Replicator to use for the evaluation. For more information about the Replicator editions, see the [Metalogix Replicator Product and Concepts Guide](#).

## License Status

The section shows the current status of your Replicator license.

## License Last Refreshed

Provides you with the last date that your license was refreshed.

## Maintenance Expiration

This section shows the date when your license expires.

## Update License Key

Selecting this button will update your license key.

## Farm Name

This is the name of the farm on which Replicator is installed.

## SharePoint Version

This section shows the current SharePoint version for this farm and indicates if it is supported by Replicator or not. Click **Get Version Information** to check for any Replicator updates and the most recently supported SharePoint version.

Before updating SharePoint, use this page to confirm the upgrade path of SharePoint is supported by Replicator. For further information about installing SharePoint updates, see the [Metalogix Replicator Installation Guide](#).

## Servers in this Farm running the web application service

This section indicates the number of servers on this farm that are currently running the web application service.

## Support Information

This section provides you with your Farm ID and your License Key information, Replicator build number, the total replicator licenses you currently own, then number of activated licenses in all your farms, and the number of activated licenses in this farm.

## Site Settings

Use the Site Settings page to perform Replicator tasks for the current Site Collection or Web Site. Many of the tasks performed through the Central Administration page, can also be carried out through the Site Settings pages.

To access the Site Settings for Metalogix Replicator, select the **Site Actions** menu, and click **Site Settings**.

Metalogix Replicator  
[Manage map families](#)  
[View replication maps](#)  
[Monitor replication](#)  
[Override conflicts](#)

## Manage Map Families

The Manage Map Families page, which is accessed through **Site Actions > Site Settings**, allows you to set shared common properties for Replication Maps that are included within the Map Family. A Map Family can be created for a Site Collection, Web Site, List, and/or Folder. The top-most Replication Map in each Map Family is referred to as the root map.

Portal Blog EDIT LINKS Search this site

Manage Map Families ⓘ

[Add Map Family](#) | [Remove Selected Map Families](#) | [Replicate Now](#)

Map Family	Scope	Root Replication Map URL	Status	Schedule	Replication Group	Replication Mode	Modified Date (UTC)
Map Family	SiteCollection	/	Enabled	Immediately	Worldwide Connections	Direct	6/27/2019 2:50:09 PM

**NOTE:** Creating a Map Family with a Web Application scope must be done through Central Administration.

The following information is displayed for each Map Family:

- Map Family - The name of the Map Family. If you can configure the Map Family, then the name will be a link to the Configure Map Family page.
- Scope - The scope of the Map Family.
- Root Replication Map URL - The root URL this map family replicates content from.
- Status - Indicates if the Map Family is enabled or disabled.
- Schedule - The replication schedule for this Map Family.
- Replication Group - The Replication Connection Group that the Replication Map belongs to.
- Replication mode - the replication mode that the Replication Map has been set to.
- Modified Date (UTC) - the date the map family was last modified in UTC time.

# Configure Map Family

The Configure Map Family page, which is accessed through the Manage Map Families page, allows you to set the criteria for a new Replication Map or edit an existing Replication Map. The Configure Map Family page is available for Map Families with a scope of Site Collection or Web Site.

**NOTE:** Creating a Map Family for a Web Application must be completed through Central Administration.

Home Documents Calendar Subsites Metalogix Blog HR Recent Replicator Redirection List Site Contents EDIT LINKS

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## Configure Map Family ⓘ

**General Settings**

Enter a name to identify this Map Family.

Map Family Name: Extranet Map Family

Set the scope of this Map Family to be either for the Web Application, Site Collection or Web Site for the specified URL.

Map Family Scope: Web Site

For Site Collection or Web Site-scoped map families, enter the root URL for replication. Only changes made to the site at this URL and its children are replicated.

Root Replication Map URL: http://corporateoffice

Enable this Map Family: ☒ Yes ☐ No

Select the default classification for events replicated by this Map Family. The classification for a specific event can be changed with a Replication Rule.

Enable or disable this Map Family.

**Replication Group**

Select the Replication Group for this Map Family.

Select Replication Group: Extranet Group

## Map Family Name

Enter a user-friendly name to identify the Map Family.

## Map Family Scope

The Map Family can be defined at the Site Collection, or Web Site level.

**NOTE:** The Map Family Scope cannot be changed after the Map Family is created.

## Map Family URL

The Map Family URL defaults to the Web Application URL. If the Map Family is being configured for either a Site Collection or a Web Site, the corresponding URL must be entered in this field.

**NOTE:** The Map Family URL cannot be changed after the Map Family is created.

## Enable this Map Family

Use this parameter to enable or disable replication for all Replication Maps within this Map Family.

## Select Replication Group

A Replication Group includes all Replication Connections that can be added to the Replication Maps within a Map Family.

Use the Replication Group setting to select which Replication Group will be used for this Map Family. Replicator is installed with a default Replication Group - Worldwide Connections. To select a user-defined Group, select the group from the **Select Replication Group** drop-down list.

**i** | **NOTE:** The Replication Group cannot be changed after the Map Family is created.

## Replication Schedule

Use the Replication Schedule section to define replication frequency. Replication can occur immediately (upon creation of the Map Family), at a specified time interval, or can be set for manual initiation.

Replicate Changes:

- ☒ Immediately
- ☐ At set time interval
- ☐ Daily
- ☐ Weekly
- ☐ Monthly
- ☐ Manually

**i** | **NOTE:** With less frequent replication schedules, there is a greater risk of conflicts occurring. To reduce the number of conflicts detected by Replicator, set the interval to a shorter time.

Select one of the following options:

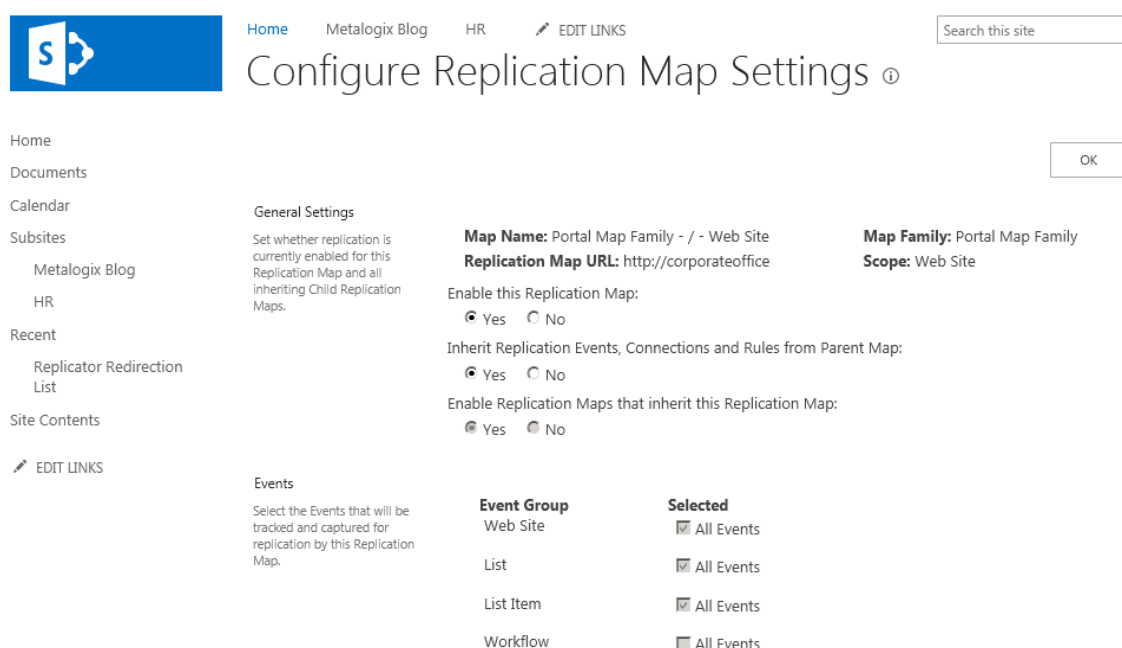
- **Immediately:** Use this parameter to initiate replication immediately after events are captured.
- **At set time interval:** Select this option to configure frequent replication. You can specify the replication interval in seconds, minutes, or hours. For example, every 30 seconds, every 10 minutes, or every 2 hours.
- **Daily:** Select this option to configure daily replication. For example, replicate daily at 2:30 AM.
- **Weekly:** Select this option to configure weekly replication. For example, replicate every Tuesday at 2:30 AM.
- **Monthly:** Select this option to configure monthly replication. For example, replicate on the sixth day of the month at 2:30 AM.
- **Manual:** Select this option if you want to manually specify when to replicate changes. Changes will be captured, but not replicated until an administrator selects Replicate Now from the Manage Map

Families page.

This setting prevents Outbound Packages from actively being processed. If Manual is selected, Packages are collected in the queue, but are not replicated until Replicate Now is selected on the Manage Map Families page.

## Configure Map Settings

The Configure Replication Map Settings page, which is accessed through the View Replication Map page, by selecting the Replication Map you wish to configure. It displays information about the Replication Map, such as the Replication Map name, the Map Family it belongs to, its scope, and its root Replication Map URL. This page also allows you to specify whether the Map is enabled, and its inheritable status. Depending on the scope, you can specify the Replication Events, Connections, and column matching enabling.



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### Configure Replication Map Settings ⓘ

Home Documents Calendar Subsites Metalogix Blog HR Recent Replicator Redirection List Site Contents EDIT LINKS

**General Settings**  
Set whether replication is currently enabled for this Replication Map and all inheriting Child Replication Maps.

**Map Name:** Portal Map Family - / - Web Site  
**Replication Map URL:** http://corporateoffice  
**Map Family:** Portal Map Family  
**Scope:** Web Site

Enable this Replication Map:  
☒ Yes ☐ No

Inherit Replication Events, Connections and Rules from Parent Map:  
☒ Yes ☐ No

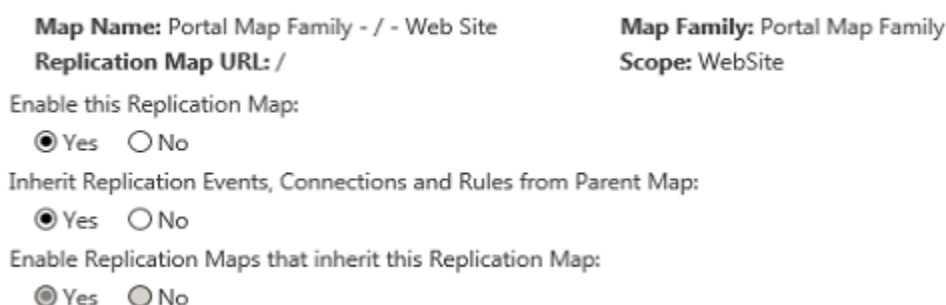
Enable Replication Maps that inherit this Replication Map:  
☒ Yes ☐ No

**Events**  
Select the Events that will be tracked and captured for replication by this Replication Map.

Event Group	Selected
Web Site	<input checked="" type="checkbox"/> All Events
List	<input checked="" type="checkbox"/> All Events
List Item	<input checked="" type="checkbox"/> All Events
Workflow	<input type="checkbox"/> All Events

## General Settings

The General Settings section displays the following information:



**Map Name:** Portal Map Family - / - Web Site  
**Replication Map URL:** /

**Map Family:** Portal Map Family  
**Scope:** WebSite

Enable this Replication Map:  
☒ Yes ☐ No

Inherit Replication Events, Connections and Rules from Parent Map:  
☒ Yes ☐ No

Enable Replication Maps that inherit this Replication Map:  
☒ Yes ☐ No

Statistic	Description
Map Name	The Map name is auto generated and based on the Map Family name and scope.
Map Family	The name of the Map Family.
Replication Map URL	The URL for the Replication Map.
Scope	Indicates whether the Map Family was defined for a Web Application, Site Collection, Web Site, or Folder.

## Enable this Replication Map

When this parameter is set to **Yes**, replication is enabled for this Replication Map only. The default is set to the same setting specified on the Configure Map Family page.

## Inherit Replication Events, Connections and Rules From Parent

**i** | **NOTE:** This parameter is only available for child Replication Maps.

When this parameter is set to **Yes**, specified Connections and Events are inherited from the Parent Replication Map.

When this parameter is set to **No**, Events and Replication Connections can be edited independently from the Parent Replication Map.

## Enable Replication Maps that Inherit this Replication Map

When this parameter is set to **Yes**, Replication is enabled for maps which inherit this replication map.

**i** | **NOTE:** this setting can only be changed at this level if **Inherit Replication Events, Connections and Rules from Parent Map** is set to **No**.

## Events

The Events settings section defines which SharePoint events are queued for Replication.

If the **All Events** checkbox is selected, all of the events under this category are queued.

The default setting selects all Events for each Event Group except for Workflow Events.

**i** | **NOTE:** These settings can only be changed if **Inherit Replication Events, connections and Rules from Parent Map** is set to **No**.

Event Group	Selected	
Web Site	<input checked="" type="checkbox"/> All Events	Advanced
List	<input checked="" type="checkbox"/> All Events	Advanced
List Item	<input checked="" type="checkbox"/> All Events	Advanced
Workflow	<input type="checkbox"/> All Events	Advanced

## Advanced

Click **Advanced** to open the Advanced selection options, which allows highly detailed, very specific customization of the Replication process.

When these buttons are clicked, the page refreshes with specific options for Replication. Events selected from the list are replicated on the Target Web Application. Events which are cleared are not replicated.

**Select All** selects all events for replication, and **Clear All** removes selection from all events, allowing users to very specifically define the required Replication.

Shift-click allows you to select a range of contiguous options. Ctrl-click allows you to select non-contiguous options.

Event Group	Selected	
Web Site	<div> Web Permission Level Add  Web Permission Level Update  Web Permission Level Delete  Web Permission Add  Web Permission Update </div>	<div> Select All  Clear All </div>
List	<input checked="" type="checkbox"/> All Events	Advanced
List Item	<input checked="" type="checkbox"/> All Events	Advanced
Workflow	<input type="checkbox"/> All Events	Advanced

## Outbound Replication Connections

The Outbound Replication Connection section displays the default Replication Connection associated with a specified Replication Group.

**Replication Group:** Branch Offices Group

Select	Connection	Custom	Target Replication URL
<input checked="" type="checkbox"/>	Corporate to London	<input type="checkbox"/>	<input type="text" value="http://londonoffice/"/>

**i** | **NOTE:** This parameter can only be edited for the Root Replication Map.



# Advanced Settings

## Enable Column Matching

Specify whether Replication Maps should match list items based on the title of the list items and the date the list items were created. **Yes** is selected by default.

If you want to treat list items that have the same title and the same create date as unique list items, then disable the Column Matching feature by selecting **No** for the **Enable column matching on name and creation date** parameter.

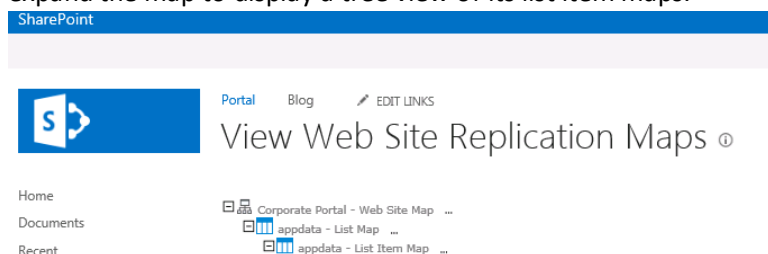
Enable column matching on Title and Created metadata fields:

☒ Yes ☐ No

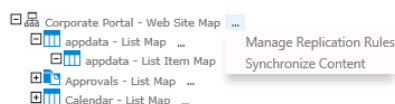
**i** **NOTE:** Metalogix recommends that this feature be disabled for migration and imported list scenarios when list items may have the same name as list items added in a bulk upload that share the same create date.

## View Replication Maps

The View Replication Map page, which is accessed through **Site Actions > Site Settings**, allows you to configure Map settings for a Replication Map or its parent Map. Clicking the (+) next to the Replication Map, will expand the map to display a tree view of its list maps. Clicking the (+) next to a list map will expand the map to display a tree view of its list item maps.



Clicking on the (...) next to any map will provide you with the option to Manage Replication Rules for that map, or Synchronize Content.



When you click on a replication map, the following information will be displayed:

- Replication Map - the name of the Replication Map and link to Configure Map Settings page for this Map
- Parent Map - the name of parent Replication Map and link to Configure Map Settings page for this Map
- Map Family - the name of the Map Family that this Replication Map belongs to
- Enabled - indicates if replication is enabled or disabled for this Map

- Inheriting - indicates if this Map is inheriting Events, Connections and rules from the parent Map
- Rules - the number of the rule assigned to the map family
- Actions - Clicking the Reset option available under the Actions section, allows users to reset the Replication Map.

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wfpub - List Map

Workflow History - List Map

Replication Map	Parent Map	Map Family	Enabled	Inheriting	Rules	Actions
<div><div></div>Portal Map Family - /appdata - List</div>	Portal Map Family - / - Web Site	Portal Map Family	False	False	0	Reset

## Synchronize Content

The Synchronize Content page, accessed from by selecting the **Synchronize Content** option on the View Replication Maps page, allows you to select which event types to synchronize for the current Replication Map, including sub-sites, and select which list types to include in any report to be generated.

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Map Name: Portal Map Family - / - Web Site

Replication Map URL: /

Full Structure Synchronization

Content Difference Synchronization

Use Full Structure Synchronization to synchronize the full structure and content from this location to the specified target or limit scope by selecting specific events for synchronization.

Select Replication Connection:

(All)

Include child maps.

Event Group

Web Site

List

List Item

Workflow

Selected

All Events

All Events

All Events

All Events

Advanced

Advanced

Advanced

Advanced

Queue Replication

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## Events for Queuing

The events to queue settings define which SharePoint events are queued for immediate replication. If All Events are selected, all events under the selected category are queued for every Replication Map.

Event Group	Selected	
Web Site	<input checked="" type="checkbox"/> All Events	Advanced
List	<input checked="" type="checkbox"/> All Events	Advanced
List Item	<input checked="" type="checkbox"/> All Events	Advanced
Workflow	<input type="checkbox"/> All Events	Advanced

## Advanced

The Advanced section displays specific options for replication. Any item selected from the options list will be replicated on the Target Web Application. Items which are not selected will not be replicated.

Click **Advanced** to open the Advanced selection options.

Event Group	Selected	
Web Site	<div>Web Permission Level Add Web Permission Add Web Add Web File Add Content Type Add</div>	Select All Clear All
List	<input checked="" type="checkbox"/> All Events	Advanced
List Item	<input checked="" type="checkbox"/> All Events	Advanced
Workflow	<input type="checkbox"/> All Events	Advanced

**Select All** selects all of the items for replication, and **Clear All** clears all of the items, allowing users to define a more limited selection.

Shift-click allows you to select a range of contiguous options. Ctrl-click allows you to select non-contiguous options.

## Queue Replication Map

The Queue Replication Map section allows you to queue replication for the current and all sub-site Maps, select which event-types are to be included, and from which Connections to replicate.

To queue replication for this Map as well as any Maps associated with child Web Sites, select **Include child maps**.

Click **Queue Replication** to replicate all events to all Connections associated with this Replication Map.

Select Replication Connection:  
(All)

☒ Include child maps.

Event Group	Selected
Web Site	<input type="checkbox"/> All Events
List	<input type="checkbox"/> All Events
List Item	<input type="checkbox"/> All Events
Workflow	<input type="checkbox"/> All Events

Advanced

Advanced

Advanced

Advanced

Queue Replication

**NOTE:** Depending on the size of the Site Collection, this can generate large amounts of network activity.

## Replication Report

The Replication Report section becomes visible if **Content Difference Synchronization** is selected as the synchronization type.

### Synchronize Content ⓘ

Map Name: Portal Map Family - / - Web Site  
Replication Map URL: /

Map Family: Portal Map Family  
Scope: WebSite

- ☐ Full Structure Synchronization
- ☒ Content Difference Synchronization

This functionality allows you to generate and view reports for the specified Replication Connection.

Select the Replication Connection from the list before generating a report.

### Synchronize Content ⓘ

Map Name: Portal Map Family - / - Web Site  
Replication Map URL: /

Map Family: Portal Map Family  
Scope: WebSite

- ☐ Full Structure Synchronization
- ☒ Content Difference Synchronization

Use Content Difference Synchronization to find and synchronize the differences in list and library content between this location and the specified target.

☒ Include child maps.

Select Replication Connection: corporate to london (corporate to london)

Modified Time Tolerance: 0 Minutes

Hide In Sync Items: ☐

Lists:

List Name	Report Generated Date (UTC)	Actions
Tasks	1/28/2020 4:19:38 PM	<a href="#">Generate   View</a>
appdata	1/28/2020 4:19:54 PM	<a href="#">Generate   View</a>
Approvals		<a href="#">Generate   View</a>

Filter reports by using the following criteria:

- **Modified Time Tolerance** - set a specific, allowable, time difference between the Source Web Application and the Target Web Application. If the difference between the time stamp on the Source Web Application and the Target Web Application is less than the specified value, the item is considered to be in sync.

- **Hide In Sync Items** - show items that contain differences between the Source and Target Web Application. Replicator examines whether the modified time, approval status, and check out user are in sync.

Click **Generate** next to the List Name you wish to generate a report for. Once a report has been generated, click **View** to display the report items, the time the item was saved on the Source and Target Web Applications, as well as their respective statuses. The image below is an example of a report generated, based on the Reusable Content list.

Workflow History

Replicate Selected Items | Select All | Select All Missing Files

	Item Title	Source Modified Time (GMT)	Target Modified Time (GMT)	Status
<input checked="" type="checkbox"/>	Local ID# 1	8/21/2013 1:54:23 AM		Only on Source
<input type="checkbox"/>	Local ID# 10	8/21/2013 2:07:10 AM		Only on Source
<input type="checkbox"/>	Local ID# 11	8/21/2013 2:07:10 AM		Only on Source
<input type="checkbox"/>	Local ID# 12	8/21/2013 11:15:50 AM		Only on Source

In the Report view, you can replicate the entire list by clicking **Select All** and then **Replicate Selected Items**. To replicate specific items, select the item check box and select **Replicate Selected Items**. To replicate items located on the Source or Target Web Application but not listed in the report, click **Select All Missing Files** and then click **Replicate Selected Items**.

## Manage Replication Rules

The Manage Replication Rules page, which is accessed through the View Replication page by selecting **Rules** of the Replication Map you wish to adjust/apply rules to. This page allows you to add a new rule to the Replication Map, delete existing rules, or view details of currently used rules.

This page also shows any lists that are currently remapped.

# Monitor Replication

The Monitor Replication page, which is accessed through **Site Actions > Site Settings**, displays a list of Replication Packages and allows you to remove completed Packages.

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## Monitor Replication

Filter Replication Packages by:

Apply Filters Reset Filters

Direction: Both Local Status: (All) Global Status: (All)  
Replication Groups: (All) Replication Connections: (All) Replication Map Families: (All)  
Map Name: Queue Set Name: Classification: (All)

**Replication Packages**  
[Clear Completed](#) | [Clear Completed or Error](#) | [Clear All](#)

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 Site	Branch Offices Group	Normal	Completed	3/7/2013 2:22:56 PM	Active	Captured	3/7/2013 2:22:31 PM	X
Outbound	Portal Map Family - / - Web Site	Branch Offices Group	Normal	Completed	3/7/2013 2:30:45 PM	Active	3/7/2013 7:30 PM UTC - Portal Map Family - / - Web Site	3/7/2013 2:30:19 PM	X

## Apply Filters

This button allows you to apply the specified filters to the monitor replication page.

## Reset Filters

This button allows you to reset all filters to their original settings on the monitor replication page.

## Filters

The following is an overview of the available filters by which users can set the monitor page to display packages.

### Direction

Filter your search by Direction. This list includes all possible directions in which replication packages can be moved. The Default, Both, shows inbound and outbound packages.

### Local Status

Filter your search by Local Status. This list includes all possible local statuses for the selected web application. The default Local Status (ALL) shows all the local statuses possible for an outbound or inbound package.

## Global Status

Filter your search by Global Status. This list includes all possible global statuses for the selected web application. The default Global Status (ALL) shows all the global statuses possible for an outbound or inbound package.

## Replication Groups

Filter your search by Replication Group. This list includes all Replication Groups associated with the specified Web Application. The default Replication Group (ALL) shows all the replication packages within all available replication groups in your selected Web Application.

## Replication Connections

Filter by Connection name. This list includes all Replication Connections associated with the specified Web Application. The default Connection (ALL) allows you to see all the replication packages within all available connections in your selected Web Application.

## Replication Map Families

This shows replication events for a specific Replication Map Family. Select a map family name from the Replication Map Families drop down list to filter the events to a particular set of maps.

To see package details, click on the link in the Map Name column.

## Map Name

Enter the exact map name to match packages against.

## Queue Set Name

Enter the full or part of the queue set name to match packages against.

## Classification

Filter by classification. This list includes all Classifications associated with a specified Web Application. The default Classification (ALL) allows you to see all the classifications that your replication packages may be set to.

## Actions

The following is an overview of the available actions that users can take on the Monitor Replicator page.

## Clear Completed

Click **Clear Completed** or **Clear Error** to clear all packages that are visible with the current filter. This will clear all the visible packages with a Global Status of Completed.

## Clear Completed or Error

Click Clear Completed or Error to clear all Packages where the Global Status is Completed or Error.


## Clear All

Click **Clear All** to clear all packages shown on the page.



**NOTE:** Clear All also clears errors, Packages that are currently processing, and those currently in the queue.

## Delete

Click  to remove a package from the current web application.

The columns on the Monitor Replication page are detailed below:

Column	Description
Direction	This is the direction in which the package was moved.
Map Name	This is the name of the map which contains the connection on which the package was sent.
Replication Group Name	This is the group which contains the connection on which the package was sent.
Classification	The Classification for the package.
Local Status	This is the local status of the package.
Status Date	This is the date on which the status occurred.
Global Status	This is the Global status of the package.
Queue Set Name	This name associates the package with a specific queue operation. Captured events have a queue set name of "Captured".



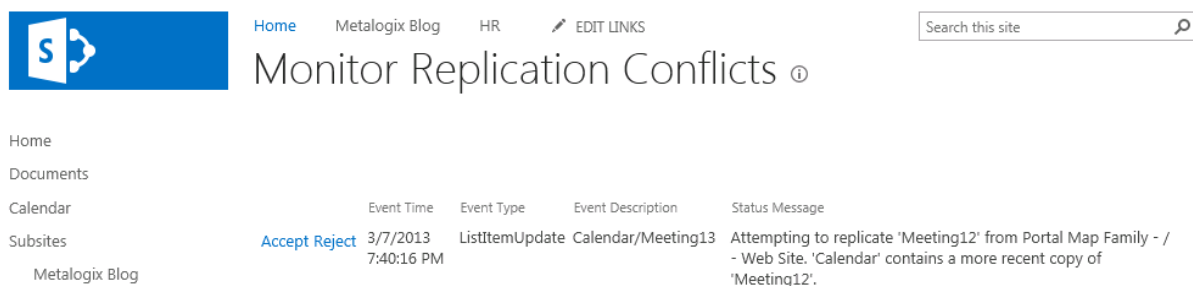
Column	Description
Created Date	The date on which the package was created.

## Override Conflicts

A replication conflict occurs when Replicator tries to apply an event that is older than the corresponding SharePoint content on the inbound web application.

The Monitor Replication Conflicts page, which is accessed through **Site Actions > Site Settings**, shows replication events that are waiting for manual resolution before they can be replicated. Conflicting events will only appear on this page if you have configured your connections to have Replicator generate conflicts instead of automatically resolving conflicts. Also, the conflict is only visible on the web application where the inbound conflict was detected.

To resolve the conflict, select either **Accept** to apply the inbound event or **Reject** to discard the change.



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### Monitor Replication Conflicts ⓘ

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	Event Time	Event Type	Event Description	Status Message
Accept Reject	3/7/2013 7:40:16 PM	ListItemUpdate	Calendar/Meeting13	Attempting to replicate 'Meeting12' from Portal Map Family - / - Web Site. 'Calendar' contains a more recent copy of 'Meeting12'.

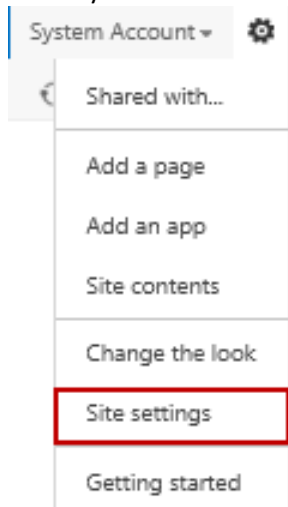
**NOTE:** Replication processing stops for the Web Application until the conflict is cleared. This page should be monitored regularly if the conflict setting for any web application is set to Generate Conflict.

## Replication Status Column

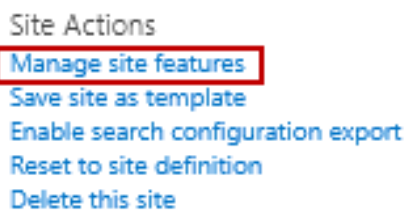
This feature allows users to add a replication status column to their SharePoint sites, allowing them to view the replication status for lists and libraries.

## Enabling the feature:

1. On your SharePoint site, go to site settings.



2. Select Manage Site Features under Site Actions.

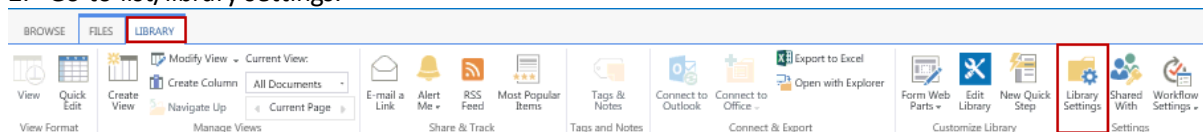


3. Scroll down to Metalogix Replicator For SharePoint - Replication Status Event Receiver, and click **Activate**.



## Adding the Feature to a List or Library

1. Navigate to the list or library that you want to add the Replication Status Column to.
2. Go to list/library settings.



3. Select the "add from existing site column" link, under the Columns section.

## Columns

A column stores information about each document in the document library. The following columns are currently available in this document library:

Column (click to edit)	Type	Required
Title	Single line of text	
Created	Date and Time	
Modified	Date and Time	
Created By	Person or Group	
Modified By	Person or Group	
Checked Out To	Person or Group	

- [Create column](#)
- [Add from existing site columns](#)
- [Column ordering](#)
- [Indexed columns](#)

4. Select Custom Groups from the "Select site columns from" drop down.

Select site columns from:

Custom Group 

5. Select Replication Status from the available columns list and add it to the columns to add list.

Available site columns:

Replication Status

Add >

< Remove

Columns to add:

6. Click **Ok** to complete the column addition.

**i** **NOTE:** The Metalogix Replicator for SharePoint, Replication Status Event Receiver feature should be enabled for every Web Site where the Replication status column is required.

## About

We are more than just a name. We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

### **Our brand, our vision. Together.**

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

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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:

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- 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