



Replicator

Evaluation Guide

VERSION 7.4.0

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Evaluation Guide

Introduction

This document provides new Replicator users with the opportunity to evaluate Replicator within their own SharePoint environment. It will lead users through a variety of common replication scenarios from simple replication, the manual restriction of replication through rules, and the setup of multi-farm environments.

Prerequisites

In order to perform the evaluation scenarios for Replicator, outlined in this document, you must first install and configure replication between two web applications. See the *Metalogix Replicator Quick Start Guide* for instructions about the installation and configuration of Replicator. It is available in the distribution zip file provided with the download of Replicator or on the Metalogix website:

<http://www.metalogix.com/Products/Replicator/Replicator-for-SharePoint.aspx>

The scenarios in this document require you to prepare your environment as follows:

- Set up replication between two farms or web applications.
- Both of your farms, or web applications, must have common lists and libraries at their respective root sites.

Changing Content

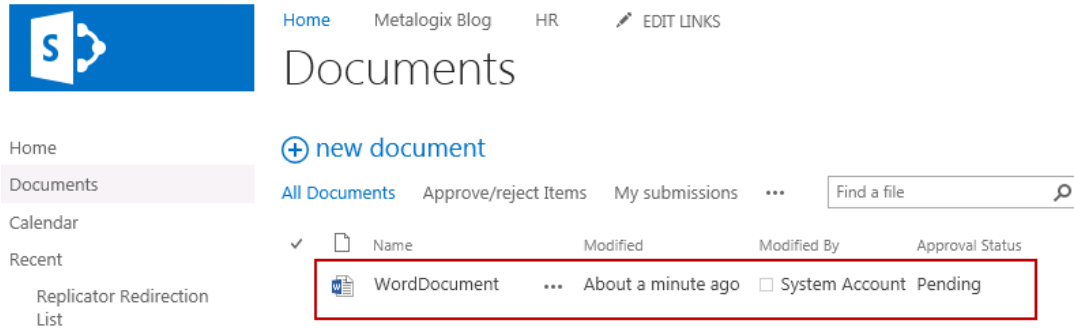
This scenario demonstrates that a change to the content on one web application is replicated to the other web application. This assumes that you have libraries with the same name on both web applications so that Replicator will be able to find the same library on the target that is used on the source. If a matching library does not exist on the target, you can perform the [Command-line Queuing](#) ¹⁸ scenario to synchronize your library before performing this scenario.

1. In a browser, open the source web application.
2. Upload a Word document to a library on your source web application.

Confirmation

1. In a browser, open the target web application. Check the corresponding library on your target web application as the one that you altered on the source and confirm that the document you uploaded to the source has been replicated over to the target. Replication may take a moment to complete, if this is

the case, refresh the page until you see the replicated item on the target.



In this scenario you:

- Added content to one web application in the form of a new document, uploaded it into a library, and had it replicate over to the other web application.

Monitoring Replication Events

This scenario demonstrates how to monitor the progress of replication and to see the contents of a replication package.

1. Open Central Administration for the source web application in a browser window.
2. Click **Application Management**.
3. Under Metalogix Replicator, click **Monitor Replicator** and then select the **Packages** tab.
4. In a web browser, open one of your web applications.
5. Make a change by either uploading a document or changing the title of an existing document.

Confirmation

1. On the Monitor Replicator page, under the Packages tab, click **Refresh**. An entry for the package will be shown. Click **Refresh** until the Global Status of the package is "Completed". This means that replication to the target is complete.

Monitor Replicator

The screenshot shows the 'Metalogix Replicator' interface with the 'PACKAGES' tab selected. The top navigation bar includes links for SUMMARY, WORKING, TRANSFERS, PACKAGES (selected), HISTORY, and CONFLICTS. Below the navigation bar, there's a section for 'FILTER REPLICATION PACKAGES BY' with dropdown menus for DIRECTION, GROUP, MAP NAME, LOCAL STATUS, CONNECTION, QUEUE SET NAME, GLOBAL STATUS, MAP FAMILY, and CLASSIFICATION. There are buttons for 'APPLY FILTERS' and 'RESET FILTERS'. Below the filters, there's a section for 'DELETE PACKAGE BY GLOBAL STATUS' with checkboxes for ALL, ACTIVE, COMPLETED, ERROR, CONFLICT, and WARNING. There's also a button for 'DELETE FILTERED PACKAGES'. At the bottom, there's a table of 'REPLICATION PACKAGES' with columns: DIRECTION, MAP NAME, GROUP, CLASSIFICATION, LOCAL STATUS, STATUS DATE, GLOBAL STATUS, QUEUE SET NAME, and CREATED DATE. The table shows two packages, both with a 'Global Status' of 'Completed', which are highlighted with a red box.

DIRECTION	MAP NAME	GROUP	CLASSIFICATION	LOCAL STATUS	STATUS DATE	GLOBAL STATUS	QUEUE SET NAME	CREATED DATE
Outbound	Portal Map Family - / - Web Application	Worldwide Connections	Normal	Completed	11/26/2013 9:46:54 AM	Completed	Captured	11/26/2013 9:45:14 AM
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 9:49:37 AM	Completed	Captured	11/26/2013 9:48:53 AM

- Click on the Map Name to see the specific events that are included in the package.

Replication Package Details

Metalogix Replicator

PACKAGE DETAILS

Displays packages for the specified web application.

MAP NAME	DIRECTION	REPLICATION GROUP	CREATED	CLASSIFICATION
Portal Map Family - / - Web Site	Outbound	Worldwide Connections	11/26/2013 9:48:53 AM	Normal

LOCAL DETAILS

LOCAL STATUS	LOCAL STATE	LAST UPDATE	AVAILABLE PARTS	STATUS MESSAGE
Completed	Built	11/26/2013 9:49:37 AM	Metadata, Data	

LOCAL ACTIONS

DELETE

EVENTS

ORDER	TYPE	DESCRIPTION	STATUS	STATUS MESSAGE
0	ListItemAdd	Shared Documents/build locations.txt - Version 1.0		

Confirm that the package details show a ListItemAdd or ListItemUpdate event for the document that was uploaded or modified above.

In this scenario you:

- Monitored the progress of replication using the Replication Monitor page.
- Viewed the contents of a package using the Replication Package Details page.

For more information about monitoring replication from this page, see the *Metalogix Replicator Reference Guide*.

Replicating a Web Part (Look and Feel)

This scenario demonstrates the abilities of Replicator to replicate look and feel changes to your SharePoint environment. It will do so by adding a list web part:

- In a web browser, open the source web application.
- Edit a page and add a list view web part for a list on the site.
- Save changes.

Confirmation

The result of this test is that Replicator has replicated the addition of the list view web part from the source to the target web application.

- View packages in Replication Monitor under the Package tab to confirm replication is completed.

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
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 9:49:37 AM	Completed	Captured	11/26/2013 9:48:53 AM

- In a web browser, open the target web application. The change that was made on the source web application will appear on the target web application.

In this scenario you:

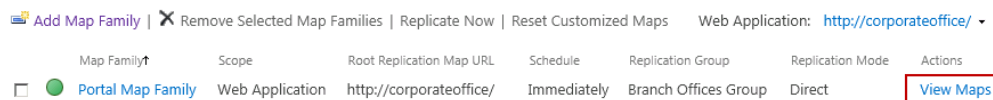
- Added a list view web part for a list on a site, which was replicated from the source web application to the target web application.

Setting Up Replication Rules

This scenario demonstrates the creation of rules to limit what is replicated. This rule will allow replication to skip when the list item has not been "Approved" and will replicate once the Approval Status has been changed to "Approved". This scenario requires the use of a document library where Content Approval has been enabled in the Versioning Settings.

- Go to **Application Management** in **Central Administration**.
- Select **Manage Map Families** under Metalogix Replicator.
- Select **View Maps**, to the right of the map on which you wish to set up the rule.

Manage Map Families ^①



- Select **Rules** on the right side of the map, and then select **Add Rule**. This will take you to the Manage Replication Rules page where you can set up your rule.
- Begin rule configuration by giving your rule a name, and description.

Rule Name:

Description:

Process Order for this Rule:

Apply this rule to events originating:

Use this Rule on:

- Select List Item Column as the rule condition.

Match on:

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

Apply Action:

8. Enter "Approval Status" as the list item column name, and the test condition as "is not equal to" "Approved", stating that the rule should be processed if the item's approval status is not equal to Approved. Select **Next**.

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:

Approval Status

is not equal to

Approved

9. Keep the default setup for the next screen, simply select **Next**.
 10. Click **Finish** on the summary page to finalize the creation of the rule.

Confirmation

- Test this rule by uploading a document to the library. The "Approval Status" will be "Pending".
- Check the **Monitor Replicator** page, under the **Packages** tab on the source. Select the map name for the latest package; this will open a Replication Package Details window. Here you will see that the event was skipped because of the rule.

Replication Package Details

Metalogix Replicator

PACKAGE DETAILS

Displays packages for the specified web application.

MAP NAME	DIRECTION	REPLICATION GROUP	CREATED	CLASSIFICATION
Portal Map Family - / - Web Site	Outbound	Worldwide Connections	9/22/2014 12:06:29 PM	Normal

LOCAL DETAILS

LOCAL STATUS	LOCAL STATE	LAST UPDATE	AVAILABLE PARTS	STATUS MESSAGE
Completed	ReplicationNotNeeded	9/22/2014 12:06:52 PM	Metadata, Data	

LOCAL ACTIONS

DELETE

EVENTS

ORDER	TYPE	DESCRIPTION	STATUS	STATUS MESSAGE
0	ListItemAdd	Documents/5	Skipped	Event skipped because of rule 'Skip Replication for not Approved items'.

GLOBAL DETAILS

GLOBAL STATUS	GLOBAL STATUS DATE
Completed	9/22/2014 12:06:50 PM

PACKAGE CONNECTIONS

CONNECTION	REMOTE STATUS	STATUS DATE	AVAILABLE PARTS
corporate to london	Active	9/22/2014 12:06:50 PM	None

- Check the target, the item will not have replicated over.
- Approve the document to set the Approval Status for this item to "Approved".
- Check the Monitor Replicator page under the Packages tab and the target, the item will have replicated over.

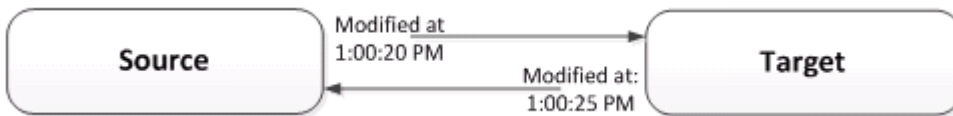
In this scenario you:

- ✍ Created a replication "Skip" rule to the Portal Map Family, specifying that items with an Approval status "not equal to" Approved will not be replicated.
- ✍ Added a document with Approval Status "pending" to the source web application, which did not replicate over to the target web application.
- ✍ Monitored the process of replication using the Replication Monitor page.
- ✍ Viewed the contents of the package on the Package Details page for the added document.
- ✍ Changed the Approval Status for the item to Approved, at which point the item successfully replicated from source web application to target web application.

Handling Conflicts

This scenario demonstrates the capability of Replicator to handle conflicts. The default conflict setting for connections is to skip replication on inbound changes to list and library items, if the modified time stamp on the inbound item is older than the modified time stamp of item on the target.

1. In a web browser open your source web application.
2. In an adjacent window open your target web application.
3. Make sure that you have an identical Calendar event on both web applications. Open it on both the source and target.
4. Modify the calendar event on the source by adding a "1" to the title, but do not save the change. Modify the calendar event on the target by adding a "2". Do not save the changes.
5. Save the calendar event on the source and then quickly save the calendar event on the target. This causes a conflict.



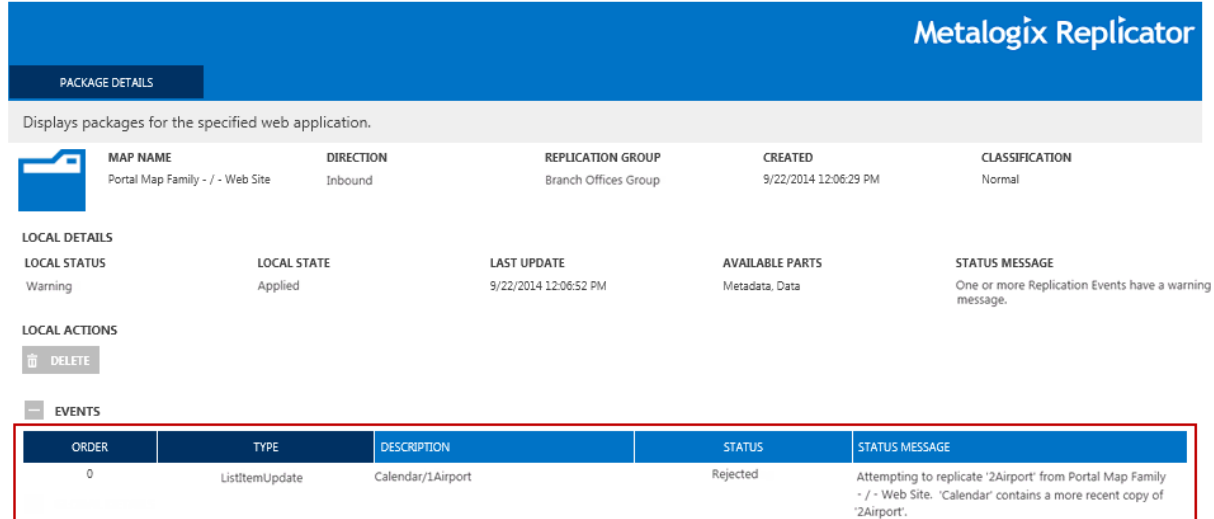
Confirmation

1. Go to the **Monitor Replicator** page under the **Packages** tab for the target, found on the **Application Management** page. You can see that a conflict occurred where the status is "warning" on the inbound package.

Inbound	Portal Map Family - /- Web Site	Branch Offices Group	Normal	Warning	4/18/2013 12:29:31 PM	Warning	Captured	4/18/2013 12:29:09 PM	X
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2. Select the map name to open package details, where you will see that there was a conflict.

Replication Package Details



Metalogix Replicator

PACKAGE DETAILS


Displays packages for the specified web application.

MAP NAME	DIRECTION	REPLICATION GROUP	CREATED	CLASSIFICATION
Portal Map Family - / - Web Site	Inbound	Branch Offices Group	9/22/2014 12:06:29 PM	Normal

LOCAL DETAILS

LOCAL STATUS	LOCAL STATE	LAST UPDATE	AVAILABLE PARTS	STATUS MESSAGE
Warning	Applied	9/22/2014 12:06:52 PM	Metadata, Data	One or more Replication Events have a warning message.

LOCAL ACTIONS

 DELETE

EVENTS

ORDER	TYPE	DESCRIPTION	STATUS	STATUS MESSAGE
0	ListitemUpdate	Calendar/1Airport	Rejected	Attempting to replicate '2Airport' from Portal Map Family - / - Web Site. 'Calendar' contains a more recent copy of '2Airport'.

3. The default conflict setting is set to automatically Skip. This means that the newer change is automatically applied on the source, and the older package from the source is skipped with a status of "rejected", rather applying the newer version from the target on both. The result should be that when you refresh your source web application, you will see a "2" at the end of the title.

In this scenario you:

- Modified an event on both the source and target, with different prefixes for the titles.
- Monitored the process of conflict handling.
- Viewed the package details for the package on the target source, using the Replication Package Details page.

The expected result is that Replicator handles conflicts as specified, and that the Replicator conflict management functions as specified in configuration. In this case that the conflict automatically Skips by applying the newer change on the source.

For further detailed instructions and information about conflict handling see the "Monitor Conflicts" section in the *Replicator Reference Guide*.

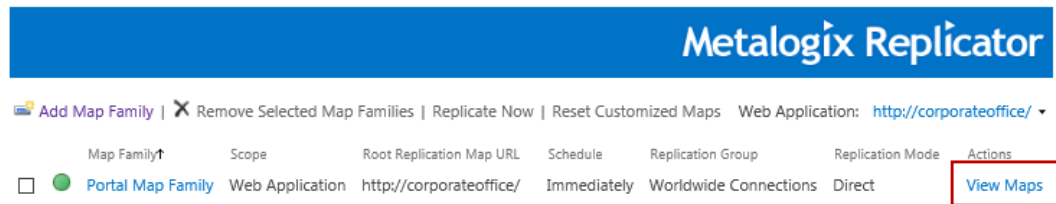
Also see the following Knowledge Base article for further conflict handling details: *KB 1111206 Conflicts in Replicator: Best Practices and Configuration*.

Replicating Workflows

This scenario demonstrates the capability of Replicator to replicate in-process workflows. You must first ensure that capturing workflows is selected on your Map Family configuration settings. You will then add a workflow, start it on an item, and complete the workflow.

1. Go the Manage Map Families in Central Administration for both your source and target web applications. Select the Map family, and click View Maps.

Manage Map Families



2. Select the Map Family, this will take you to the Configure Replication Map Settings page. Here, select All Events for workflows.

General Settings

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

Map Name: Portal Map Family - / - Web Application
Replication Map URL: http://corporateoffice/

Map Family: Portal Map Family
Scope: Web Application

Enable this Replication Map:
☒ Yes ☐ No

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

Replication Events

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

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

3. Click Ok.
4. In a web browser, open your source web application.

5. Add an Approval workflow to a list or library.

Corporate Portal

Settings ▸ Add a Workflow ⓘ

Workflow

Select a workflow to add to this document library. If a workflow is missing from the list, your site administrator may have to publish or activate it

Select a workflow template:

Approval - SharePoint 2010
Collect Feedback - SharePoint 2010
Collect Signatures - SharePoint 2010
Disposition Approval

Description:

Routes a document for approval. Approvers can approve or reject the document, reassign the approval task, or request changes to the document.

Name

Enter a name for this workflow. The name will be used to identify this workflow to users of this document library.

Enter a unique name for this workflow:

Approval

6. Start the approval workflow on an item in the list or library.

Corporate Portal

Approvals

[+ new document](#) or drag files here

All Documents ...

Find a file



Name

Modified

Modified By

Approval



CurrentEmployees ✱



A few seconds ago



Cora

In Progress

7. Complete the workflow by approving the workflow task item.

London Branch Portal

Search this site

Tasks: Please approve CurrentEmployees

Delete Item

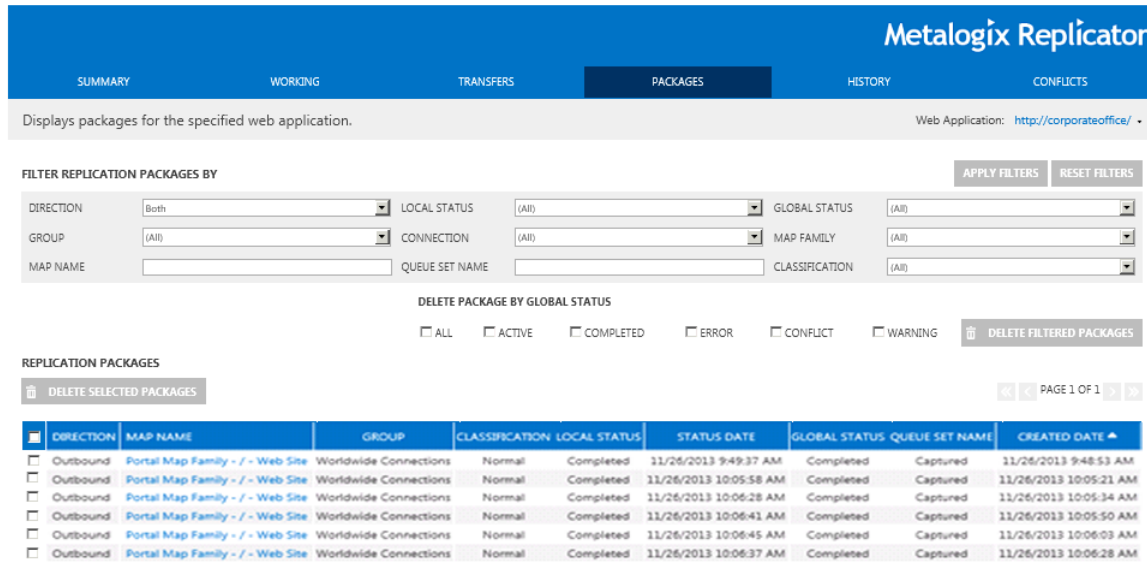
This workflow task applies to CurrentEmployees.

Status	In Progress
Requested By	Cora
Consolidated Comments	Approval started by Cora on 4/25/2013 10:32 AM Comment: These are the comments of the requestor and all previous participants.
Due Date	<input type="text"/>
Comments	<input type="text"/> This message will be included in your response.
<input type="button" value="Approve"/> <input type="button" value="Reject"/> <input type="button" value="Cancel"/> <input type="button" value="Request Change"/> <input type="button" value="Reassign Task"/>	

Confirmation

1. Check the progress of replication on the **Monitor Replicator** page under the **Packages** tab and wait for the replication of the above actions to complete.

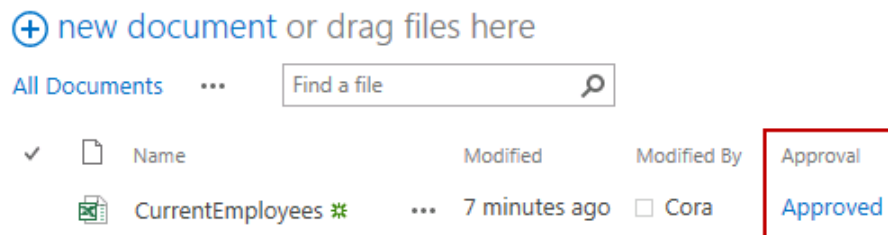
Monitor Replicator 



DIRECTION	MAP NAME	GROUP	CLASSIFICATION	LOCAL STATUS	STATUS DATE	GLOBAL STATUS	QUEUE SET NAME	CREATED DATE
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 9:49:37 AM	Completed	Captured	11/26/2013 9:48:53 AM
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 10:05:58 AM	Completed	Captured	11/26/2013 10:05:21 AM
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 10:06:28 AM	Completed	Captured	11/26/2013 10:05:34 AM
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 10:06:41 AM	Completed	Captured	11/26/2013 10:05:50 AM
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 10:06:45 AM	Completed	Captured	11/26/2013 10:06:03 AM
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 10:06:37 AM	Completed	Captured	11/26/2013 10:06:28 AM

2. In a web browser, open your target web application.
3. Check that the Approval workflow created above is available on both the source and target list or library.
4. Check to see that the approval workflow has run on the item on the target and the workflow status for the item is "Approved".

Approvals



Name	Modified	Modified By	Approval
CurrentEmployees	7 minutes ago	Cora	Approved

In this Scenario you:

- ✓ Checked to see that the workflow task on the target was replicated and completed.
- ✓ Checked that the workflow was successfully added, and the addition was replicated from source web application to target web application.
- ✓ Checked that the workflow was successfully started, and replicated from source web application to target web application.
- ✓ Checked that the workflow was successfully completed by approving; approval was replicated from source web application to target web application.

The expected result is that Replicator is able to replicate the starting of the approval workflow and is able to replicate the approval of the item.

Setting Up Multi-Farm Replication

This scenario demonstrates how to set up a multi-hop scenario where replication will occur between three different web applications. The web applications will be called Corporate, London, and Hong Kong.

1. Set up your environment as detailed in the *Metalogix Replicator Installation Guide*. Be sure you set up bidirectional replication between two web applications. For this scenario we'll call these two web applications London and Corporate.
2. Enable a web application; we will call this web application Hong Kong in this scenario. In order to enable the web application for replication, go to the **Configure Application** page found in the Metalogix Replicator section of the SharePoint **Application Management** page.

Web Application Friendly Name:

Hong Kong Office

Enable replication for this Web Application:

☒ Yes ☐ No

3. Go to the **Manage Replication Groups** page, found in **Application Management** for your Hong Kong web application.
4. Select **Add Group** and title your group "Branch Offices Group" so that it matches the group that London and Corporate are a part of. Click **Ok**.

Replication Group Name:

Branch Office Group

Replication Mode:

Direct

Automatically add new Replication Connections to this Group:

☐ Yes ☒ No

Enable Custom Binding:

☐ Yes ☒ No

5. Set up a connection connecting Hong Kong to London. Do this by **selecting Manage Replication Connections** in **Application Management**.
6. Select **Add Connection** and title your group descriptively Hong Kong to London. Complete the Target Web Application section using London's information and credentials. Disregard the Target Replication

Passphrase for this section.

Connection Name:

Hong Kong to London

Transport:

BITS

Protocol:

HTTP

DNS Name:

londonoffice

Port:

80

Domain:

contoso

User Name:

spsadmin

Password:

••••••••

Target Replicator Passphrase:

☐ Ignore Remote Certificate Validation Warnings

Test Connection

7. Test the connection.

8. Add Branch Offices Group to the selected replication groups and Click **Ok**.

Available Replication Groups: ↑

>>

<<

Selected Replication Groups: ↑

Worldwide Connections
Branch Offices Group

9. On your London web application go to the Manage Replication Connection page, found in Application Management. Create a connection from London to Hong Kong. The Target Web Application section

should use Hong Kong's information and credentials.

Connection Name:

Transport:

Protocol:

DNS Name:

Port:

Domain:

User Name:

Password:

Target Replicator Passphrase:

☐ Ignore Remote Certificate Validation Warnings

10. Test the connection.

11. Add Branch Offices Group to the selected replication groups and Click **Ok**.

Available Replication Groups: ↑

Selected Replication Groups: ↑

Worldwide Connections
Branch Offices Group

>>

<<

12. Verify that the "Portal Map Family" has replicated over to Hong Kong automatically by checking in **Manage Map Families**, found in **Application Management**.

Confirmation

1. Verify that multi-hop replication works by opening your Corporate web application in a web browser and uploading a word document.
2. Open your London and Hong Kong web applications in web browsers and check that the change you applied to the Corporate document library has replicated over to the same library on London and Hong Kong.
3. Check the **Monitor Replicator** page under the **Packages** tab for each of the web applications to see that packages have been sent over.

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
Outbound	Portal Map Family - / - Web Application	Worldwide Connections	Normal	Completed	11/26/2013 9:46:54 AM	Completed	Captured	11/26/2013 9:45:14 AM

4. Check out the document on the Hong Kong web application and watch the checkout status replicate back to London and Corporate.

5. Check the **Monitor Replicator** page under the **Packages** tab for each of the web applications to see that packages have been sent over.

In this scenario you:

- Enabled a third web application.
- Created a connection for the third web application - both to and from.
- Created a replication group.
- Monitored the automatic replication of a map family.
- Added and monitored the replication of a package between all three web applications.

The result of this test should be that you are able to replicate changes from Corporate to London to Hong Kong and back from Hong Kong to London and Corporate.

Viewing Replication Statistics

This scenario demonstrates the viewing of replication statistics for a web application.

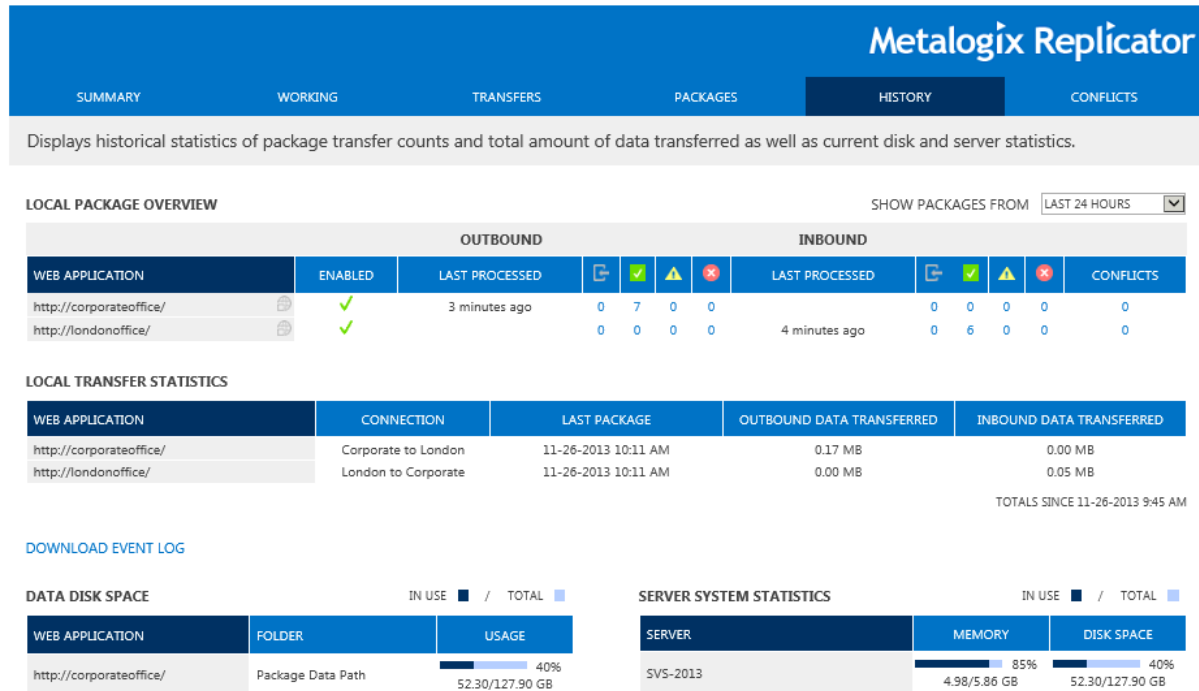
1. In a web browser, open **Central Administration** for a web application, on which you have performed changes after the installation of Replicator.
1. Click **Application Management**.
2. Click **Metalogix Replicator**
3. Click the **History** tab.

Confirmation

This page will provide you with an overview of your Replicator environment for the specified web application. It will provide you with such information as the current number of packages being transferred in replication, as well as the estimated time and percentage left until completion of transfer.

For more information about this page, see the *Metalogix Replicator Reference Guide*.

Monitor Replicator ^①



In this scenario you:

- Monitored replication statistics through the Replicator Status page.

Command Line Queuing

This scenario demonstrates the capability provided by Replicator to queue specific content from one web application to another using a command-line or PowerShell command. This scenario requires that you have a list or library on your source web application.

This command will queue the list or library including all list items.

1. Open a Command Prompt or PowerShell window.
2. Run either the following PowerShell command.
3. Substitute all URLs, map family names, and list titles with ones that match your environment.

PowerShell

```
PS>Queue-ReplicatorMap -URL "http://corporateoffice" -Type List IncludeChildTypes Folder
```

Confirmation

1. Open the **Monitor Replicator** page under the **Packages** tab for your source web application, found in **Central Administration under Application Management**.

2. Confirm that the list you queued with your command is replicating. There may be more than one package.

REPLICATION PACKAGES

PAGE 1 OF 1

CLEAR COMPLETED CLEAR COMPLETED OR ERROR CLEAR ALL

DIRECTION	MAP NAME	GROUP	CLASSIFICATION	LOCAL STATUS	STATUS DATE	GLOBAL STATUS	QUEUE SET NAME	CREATED DATE	
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Completed	11/26/2013 10:14:30 AM	Active	11/26/2013 3:14 PM UTC - Portal Map Family - / - Web Site	11/26/2013 10:14:22 AM	✕
Outbound	Portal Map Family - / - Web Site	Worldwide Connections	Normal	Active	11/26/2013 10:14:31 AM	Active	11/26/2013 3:14 PM UTC - Portal Map Family - / - Web Site	11/26/2013 10:14:26 AM	✕

3. Open the relevant packages to make sure that all list and list item event have been queued.

EVENTS

ORDER	TYPE	DESCRIPTION
0	ViewAdd	/Lists/Calendar/AllItems.aspx (All Events)
1	ViewAdd	/Lists/Calendar/calendar.aspx (Calendar)
2	ViewAdd	/Lists/Calendar/MyItems.aspx (Current Events)
3	ListItemAdd	Calendar/Pizza Lunch
4	ListItemAdd	Calendar/j1
5	SiteNavigationUpdate	Corporate Portal
6	SiteNavigationUpdate	Quick launch
7	SiteNavigationUpdate	SharePoint Top Navigation Bar

4. Check to see that the list has updated on the target web application by opening the list in a web browser.

For more information about the arguments for this command, please see the [Replicator Command Line Reference Guide](#).

In this scenario you:

- Performed maintenance task using command-line or PowerShell command.
- Queued specific content, like a list.