



StoragePoint

Version 5.4

Selective Restore Manager Guide

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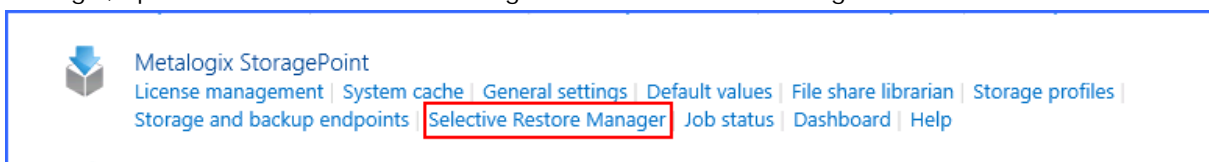
Selective Restore Manager

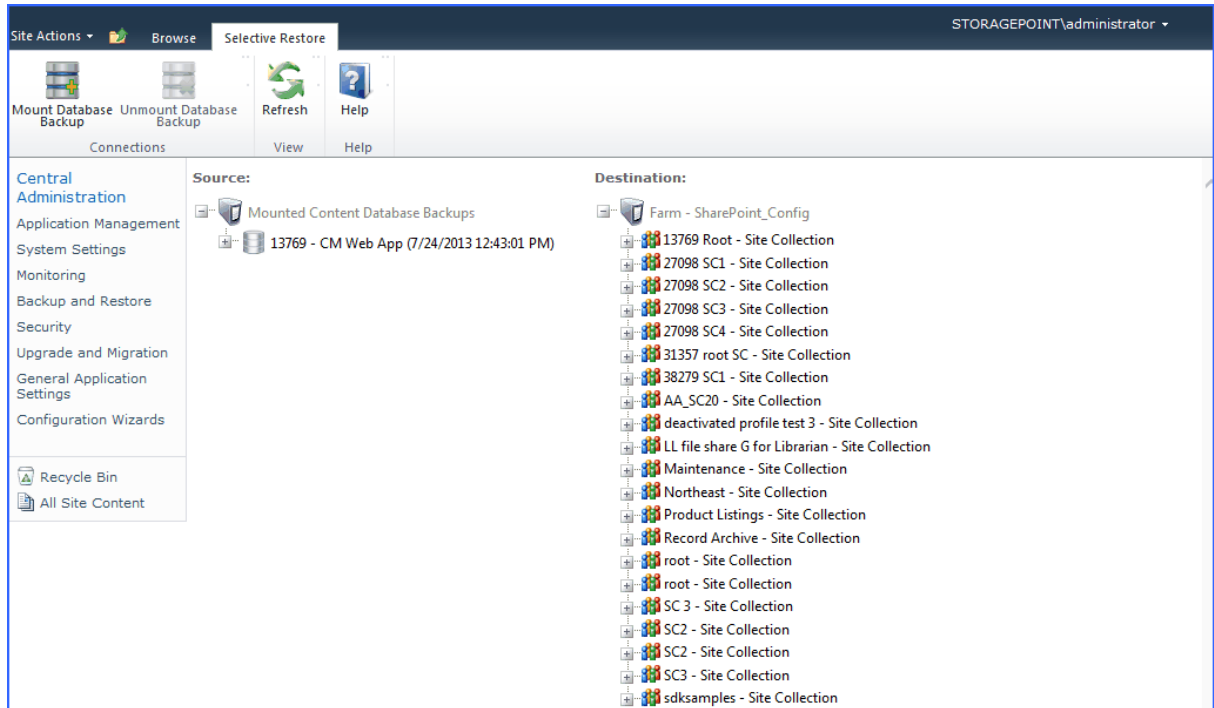
Restoring content from backup endpoints and backup content databases can be done quickly using the Selective Restore Manager interface. The content can also be copied to a new location within the farm. Selective Restore Manager relies on the BLOB Store backups and Content Database backups that can be performed by StoragePoint.

Administrators should know:

- A staging area must be set up on General Settings before performing backups or restores.
- Two timer jobs must be run in order to use the interface: BLOB Storage Endpoint Backup and Content Database Backup. These are both on the profile page.
- To set up the endpoint, please see the Backup Settings section of the Administration Guide under Creating Storage Profiles.
- To set up the Content Database Backup, please see the [Appendix: Creating Content Database Backups](#) in this document.

To begin, open the Selective Restore Manager interface from the StoragePoint main menu.





Mount the Database Backup

Click the Mount Database Backup icon on the top left of the ribbon to open a window that will display all content database backups.

Mount Database Backup

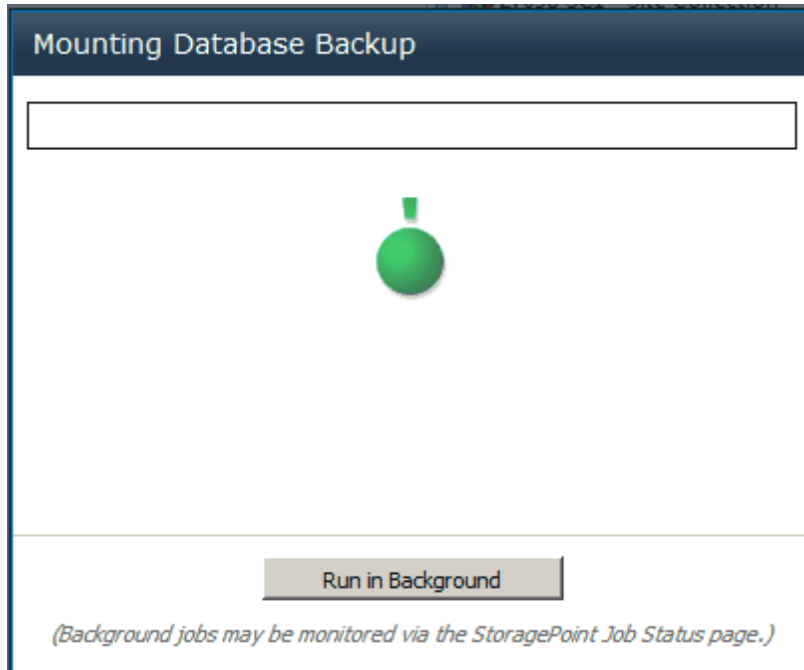
Content Database	Backup Date	Backup Type
Select Database to Filter List		
WSS_Content_975ead3ee6f248768b3253888cc9bdd1	12/10/2013 2:40:16 PM	Full

Database server to restore:

Run job on server: Email when job restore completes:

If the list of available backups is long, use the column headings to sort the list of backups by content database, backup date, or backup type. You can also use the dropdown at the top of the page to filter which content database you want the backups for.

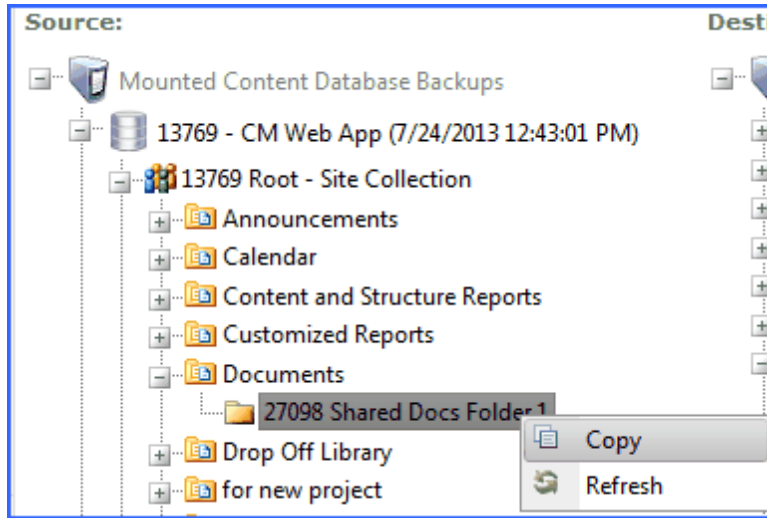
1. Select the backup by clicking on it. Make sure it is highlighted.
2. (OPTIONAL) Enter a database server on which to restore the backup. Use the Test Connection button to make sure it is available.
3. Select a server on which to run the restore job.
4. If you want to be notified when the backup is available, enter your email address.
5. Click Mount.



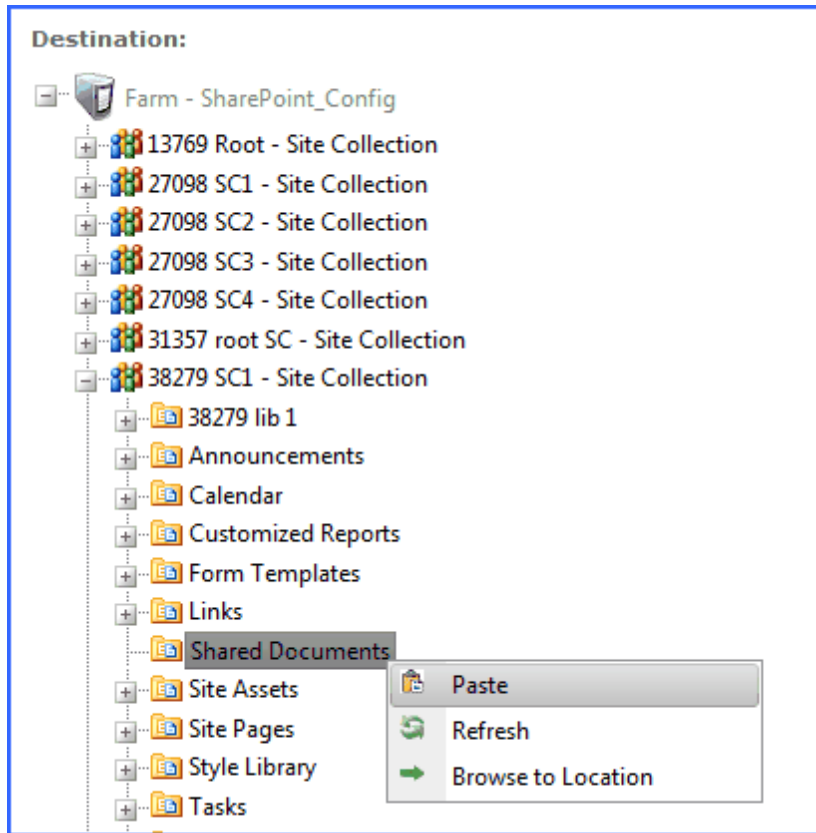
You do not have to stay on the page while the restore is running. Click Run in Background to return to the Selective Restore Manager page. You can use the Refresh button in the ribbon to see the mounted backup after the job is complete.

Restoring Content

1. Once the backup is mounted, navigate to the content that you want to restore by expanding the sections.
2. Right click on the level of Site Collection, Site, Library or List, and choose Copy.

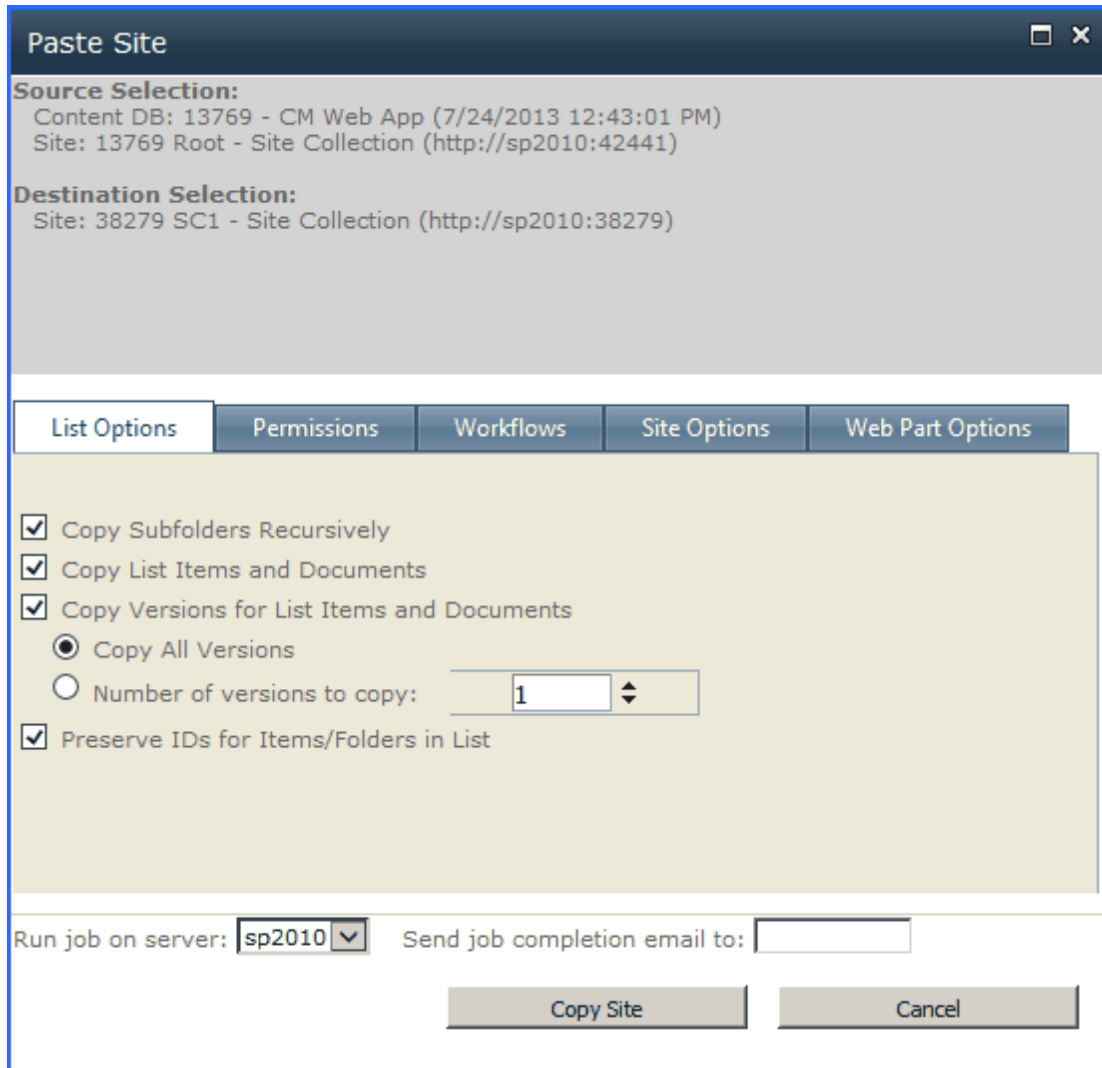


3. Open the location in the destination tree view where the content should go, right click and choose Paste.





- You can only paste content to a level that will host it, i.e. you cannot paste a folder into a Site Collection, it would need to go in a List or Library.

- The exception to this is pasting a subsite to the Farm to create a Site Collection.
 - When selecting items to be copied, they must all be from one 'bucket'. For example, you can't copy files from different folders within a list.
 - The Refresh option on the content menu refreshes that part of the tree to display any updates that may have been made since the page was opened.
 - The Browse to Location option will open that location in another tab or window.
4. When you select Paste, the window that opens will vary depending on what was copied and the destination.



Use this chart to make selections from the available options:

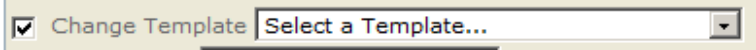

Paste Site Collection or Paste Site on Farm		
Copy Options	Default	Explanation
<i>Site Collection Options:</i>		
• Web Application		A destination web app must be selected from the dropdown.
• Language:		Select one of the languages installed on the farm.
• Content Database:		If there is more than one content database for the web app, select the correct one.
• Site URL:		Formulate the URL for the restored Site.
• Primary Administrator		Defaults to the system admin. Enter another value for the primary administrator if needed.
• Secondary Administrator:		(Optional) Enter a secondary administrator ID
• Copy Site Quota		This check-box option allows for the copying of Site Quotas.
• Copy Audit Settings		This check-box option allows for the preservation of a SharePoint Site Collection's audit settings.
<i>Site Options:</i>		
• Change Template		Uses a new site template on the destination. Checking the box opens a drop down with available templates on the destination. 
• Rename Site		Gives the Site a new name in the destination. Checking the box opens a text field to enter the name. 
• Copy Child Site Recursively	P	This option allows child Sites to be copied recursively, down through any existing levels.

<ul style="list-style-type: none"> • Copy Navigation and Tree View Settings 	P	Include navigation settings and structure for the global navigation and quick launch navigation, as a part of a site copy.
<ul style="list-style-type: none"> • Copy Site Features 	P	Includes any site features on the source to be copied over and activated on the destination, provided that these features exist on the destination server.
<i>List Options:</i>		
<ul style="list-style-type: none"> • Copy Subfolders Recursively 	P	This option allows for folders and sub-folders to be copied recursively, down through any existing levels.
<ul style="list-style-type: none"> • Copy List Items and Documents 	P	Include the content of your selection. Uncheck to build structure only.
<ul style="list-style-type: none"> • Copy Versions for List Items and Documents 	P	<p>Include major and/or minor versions of the content. Versioning must be enabled on the destination for the versions to be included.</p> <p>Select Copy All Versions (default) or the Number of versions to copy.</p>
<ul style="list-style-type: none"> • Preserve IDs for Items/Folders in list 		When selected, this option will preserve IDs for any folders and items in SharePoint Lists, so each item and folder will have the same ID on the target as the item does on the source. If this option is not selected then SharePoint will assign an item ID automatically.
<ul style="list-style-type: none"> • Preserve List Workflow Associations 		
<i>Permissions Options:</i>		
<ul style="list-style-type: none"> • Copy List Permissions 		Permissions unique to the lists being copied.
<ul style="list-style-type: none"> • Copy Folder Permissions 		Permissions unique to the folders being copied.


<ul style="list-style-type: none"> • Copy Item Permissions 		<p>Permissions unique to the specific list or library items being copied.</p>
<p><i>Web Part Options:</i></p>		
<ul style="list-style-type: none"> • Copy Web Parts on Landing Pages 		
<ul style="list-style-type: none"> • Copy Closed Web Parts 		<p>This check-box option allows for any web parts that are closed to be copied. In some cases web parts can be closed on a page without being removed. This option will allow for these web parts to be copied with the page content.</p>
<p><i>Master Pages:</i></p>		
<ul style="list-style-type: none"> • Copy Master Page Gallery 		<p>This checkbox will include the Master Page Gallery for the site collection in the copy.</p>
<ul style="list-style-type: none"> • Copy Master Pages 		<p>This check-box option will copy all the Master Pages listed in the source site's Master Page Gallery.</p>
<ul style="list-style-type: none"> • Copy Page Layouts 		<p>This check-box option will copy all the Page Layouts listed in the source site's Master Page Gallery.</p>
<ul style="list-style-type: none"> • Copy Other Resources 		<p>This check-box option will copy all items that are listed (except Master Pages or Page Layouts) from the source site's Master Page Gallery</p>
<ul style="list-style-type: none"> • Correct Links on Master Pages 		<p>This checkbox will correct any links on the master pages to reflect URL changes.</p>
<p>Run Job on Server:</p>		<p>Select the server from the dropdown on which to perform the restore.</p>
<p>Send Job Completion email to:</p>		<p>Enter a valid email address to receive notification when the job is complete.</p>

Paste Site


Copy Options	Default	Explanation
<i>List Options:</i>		
<ul style="list-style-type: none"> Copy Subfolders Recursively 	P	This option allows for folders and sub-folders to be copied recursively, down through any existing levels.
<ul style="list-style-type: none"> Copy List Items and Documents 	P	Include the content of your selection. Uncheck to build structure only.
<ul style="list-style-type: none"> Copy Versions for List Items and Documents 	P	<p>Include major and/or minor versions of the content. Versioning must be enabled on the destination for the versions to be included.</p> <p>Select Copy All Versions (default) or the Number of versions to copy.</p>
<ul style="list-style-type: none"> Preserve IDs for Items/Folders in list 	P	When selected, this option will preserve IDs for any folders and items in SharePoint Lists, so each item and folder will have the same ID on the target as the item does on the source. If this option is not selected then SharePoint will assign an item ID automatically.
<i>Permissions:</i>		
<ul style="list-style-type: none"> Copy List Permissions 		Permissions unique to the lists being copied.
<ul style="list-style-type: none"> Copy Folder Permissions 		Permissions unique to the folders being copied.
<ul style="list-style-type: none"> Copy Item Permissions 		Permissions unique to the specific list or library items being copied.
<i>Workflows</i>		
<ul style="list-style-type: none"> Preserve List Workflow Associations 		Keep Workflow content types on the content being copied.
<i>Site Options</i>		

<ul style="list-style-type: none"> • Change Template 		<p>Uses a new site template on the destination. Checking the box opens a drop down with available templates on the destination.</p> 
<ul style="list-style-type: none"> • Rename Site 		<p>Gives the Site a new name in the destination. Checking the box opens a text field to enter the name.</p> 
<ul style="list-style-type: none"> • Copy Child Site Recursively 	P	<p>This option allows child Sites to be copied recursively, down through any existing levels.</p>
<ul style="list-style-type: none"> • Copy Navigation and Tree View Settings 	P	<p>Include navigation settings and structure for the global navigation and quick launch navigation, as a part of a site copy.</p>
<ul style="list-style-type: none"> • Copy Site Features 	P	<p>Includes any site features on the source to be copied over and activated on the destination, provided that these features exist on the destination server.</p>
<i>Web Part Options</i>		
<ul style="list-style-type: none"> • Copy Web Parts on Landing Pages 	P	
<ul style="list-style-type: none"> • Copy Closed Web Parts 	P	<p>This check-box option allows for any web parts that are closed to be copied. In some cases web parts can be closed on a page without being removed. This option will allow for these web parts to be copied with the page content.</p>
Run Job on Server:		<p>Select the server from the dropdown on which to perform the restore.</p>
Send Job Completion email to:		<p>Enter a valid email address to receive notification when the job is complete.</p>

Paste List		
Copy Options	Default	Explanation

<i>List Content Option:</i>		
<ul style="list-style-type: none"> Rename List 		<p>Gives the list a new name in the destination. Checking the box opens a text field to enter the name.</p> 
<ul style="list-style-type: none"> Copy Subfolders Recursively 	P	<p>This option allows for folders and sub-folders to be copied recursively, down through any existing levels.</p>
<ul style="list-style-type: none"> Copy List Items and Documents 	P	<p>Include the content of your selection. Uncheck to build structure only.</p>
<ul style="list-style-type: none"> Copy Versions for List Items and Documents 	P	<p>Include major and/or minor versions of the content. Versioning must be enabled on the destination for the versions to be included.</p> <p>Select Copy All Versions (default) or the Number of versions to copy.</p>
<ul style="list-style-type: none"> Preserve IDs for Items/Folders in list 		<p>When selected, this option will preserve IDs for any folders and items in SharePoint Lists, so each item and folder will have the same ID on the target as the item does on the source. If this option is not selected then SharePoint will assign an item ID automatically.</p>
<i>Permissions</i>		
<ul style="list-style-type: none"> Copy List Permissions 		<p>Permissions unique to the lists being copied.</p>
<ul style="list-style-type: none"> Copy Folder Permissions 		<p>Permissions unique to the folders being copied.</p>
<ul style="list-style-type: none"> Copy Item Permissions 		<p>Permissions unique to the specific list or library items being copied.</p>
<i>Workflows</i>		
<ul style="list-style-type: none"> Preserve List Workflow 		<p>Keep Workflow content types on the content being copied.</p>

Associations	
Run Job on Server:	Select the server from the dropdown on which to perform the restore.
Send Job Completion email to:	Enter a valid email address to receive notification when the job is complete.

Paste Folder		
Copy Options	Default	Explanation
<i>Folder Content Options</i>		
<ul style="list-style-type: none"> Rename Folder 		<p>Gives the folder a new name in the destination. Checking the box opens a text field to enter the name.</p> 
<ul style="list-style-type: none"> Copy Subfolders Recursively 	P	This option allows for folders and sub-folders to be copied recursively, down through any existing levels.
<ul style="list-style-type: none"> Copy List Items and Documents 	P	Include the content of your selection. Uncheck to build structure only.
<ul style="list-style-type: none"> Apply new content types during copy 		Content types that are unique to the folder are included, and hence, available in the Site Collection content type library, and can be used in other locations within that site collection. The content type must be in use for it to be included in the copy.
<ul style="list-style-type: none"> Copy Versions for List Items and Documents 	P	<p>Include major and/or minor versions of the content. Versioning must be enabled on the destination for the versions to be included.</p> <p>Select Copy All Versions (default) or the Number of versions to copy.</p>

<ul style="list-style-type: none"> • Preserve IDs for Items/Folders in list 	P	When selected, this option will preserve IDs for any folders and items in SharePoint Lists, so each item and folder will have the same ID on the target as the item does on the source. If this option is not selected then SharePoint will assign an item ID automatically.
<i>Permissions Option:</i>		
<ul style="list-style-type: none"> • Copy Folder Permissions 		Permissions unique to the folders being copied.
<ul style="list-style-type: none"> • Copy Item Permissions 		Permissions unique to the specific list or library items being copied.
Run Job on Server:		Select the server from the dropdown on which to perform the restore.
Send Job Completion email to:		Enter a valid email address to receive notification when the job is complete.

Paste List Items and Documents		
Copy Options	Default	Explanation
<i>Content Options</i>		
<ul style="list-style-type: none"> • Copy Versions for List Items and Documents 	P	<p>Include major and/or minor versions of the content. Versioning must be enabled on the destination for the versions to be included.</p> <p>Select Copy All Versions (default) or the Number of versions to copy.</p>
<ul style="list-style-type: none"> • Apply new content types during copy 		If you wish to retain the content type for the content being restored, and the content type does not exist, use this checkbox to have the content type created. The default content type will be used if left unchecked.

<ul style="list-style-type: none"> • Preserve IDs for Items/Folders in list 	<p>P</p>	<p>When selected, this option will preserve IDs for any folders and items in SharePoint Lists, so each item and folder will have the same ID on the target as the item does on the source. If this option is not selected then SharePoint will assign an item ID automatically.</p>
<p><i>Permissions Options</i></p>		
<ul style="list-style-type: none"> • Copy Permissions 		<p>Permissions unique to the items or documents being copied.</p>
<p>Run Job on Server:</p>		<p>Select the server from the dropdown on which to perform the restore.</p>
<p>Send Job Completion email to:</p>		<p>Enter a valid email address to receive notification when the job is complete.</p>

While the paste operation is occurring, the window can be closed and the progress can be monitored on the Job Status page. Click Run in Background to close the window and return to the Selective Restore Manager page.



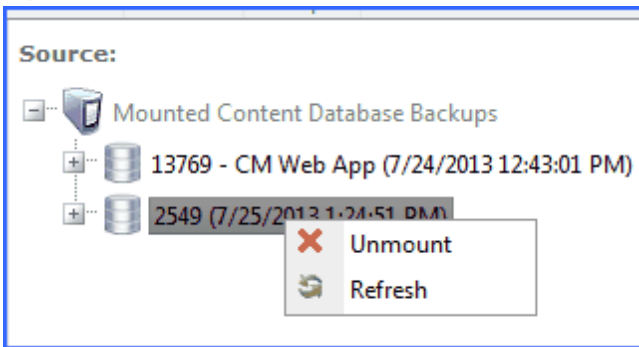
NOTE: If items are restored by Selective Restore Manager, and that destination has a StoragePoint

profile, run the Unused BLOB Cleanup timer job when restoration is complete.

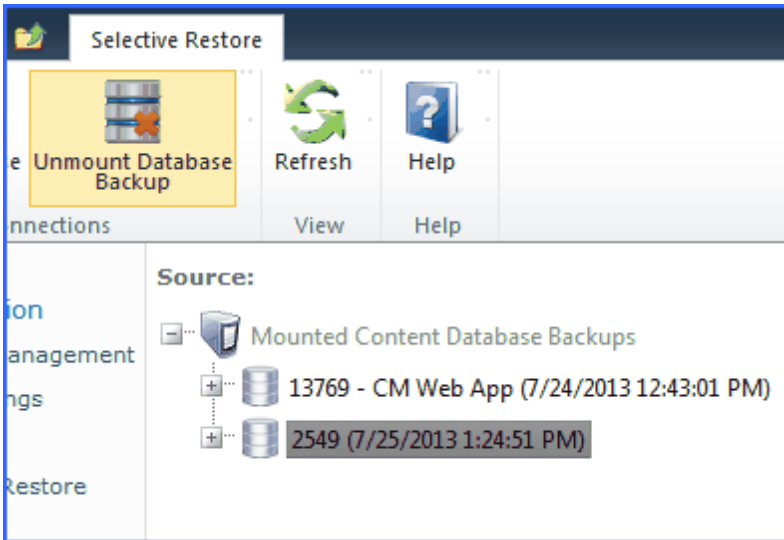
Unmount a Database Backup

When you are done restoring content, you may want to remove that backup from the list of available sources.

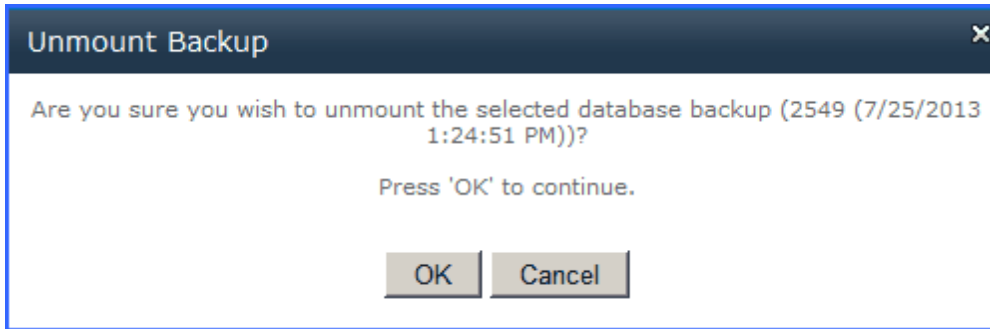
Right click on the content database and select Unmount,



or select the database and use the Unmount Database Backup button in the ribbon.



A prompt will ask you to confirm you selection. Click OK.



The Unused BLOB Cleanup job removes backups that are expired, but does not unmount them from the Selective Restore Manager interface. Please see the Unused BLOB Cleanup Job section in the Administrator's Guide for more information.

Selective Restore Timer Job Summary

Summary link to view the details. From the Summary page, click View Report to view specific details about what was restored in that database backup.

Timer Job Summary

This is an automated summary message only.

Profile Detail	
Profile Name	13769
Profile Scope	ContentDb
Profile Id	b60f0ec9-7929-48bf-ac2c-1154477cdcd6
Profile Backup Endpoint	Backup Endpoint A (FileSystem)

Job Detail	
Job Name	Content Database Restore Service
Job Role	Standalone
Server	sp2010
Started	9/17/2013 10:11:31 AM
Completed	9/17/2013 10:13:56 AM
Total Job Time	00:02:25
Completion Status	No errors
Restored Content Database(s)	13769 - CM Web App

Close

The Selective Restore Manager is the job representing the pasting of content.

Complete						
Selective Restore Manager	N/A	sp2010	18/09/2013 13:29	Complete	100%	Clear Summary
Selective Restore Manager	N/A	sp2010	18/09/2013 13:29	Complete	100%	Clear Summary

Click the Click to View Restored Items/Error Detail link on the job summary page.

Timer Job Summary
☐ ✕

Timer Job Summary

This is an automated summary message only.

Restored

Restored From	Content DB: 13769 - CM Web App (9/16/2013 6:41:03 PM) Site: 13769 Root - Site Collection (http://sp2010:42441) List: Documents Folder: /27098 Shared Docs Folder 1 Documents: MPP Sample.mpp, PDF SampleL.pdf, PNG Sample.png, PPT Sample.ppt
Restored To	Farm: Farm - SharePoint_Config Site: root - Site Collection (http://sp2010:2549) List: Shared Documents
Items Restored	5
Errors	0
Click to view Restored Items/Error Detail	

Job Detail

Job Name	Selective Restore Manager
Server	sp2010
Started	9/18/2013 1:29:37 PM
Completed	9/18/2013 1:36:09 PM
Total Job Time	00:06:32

Close

A detail page opens to show which items were copied. Use the icon in the top right to download the

report to Excel.

The screenshot shows a window titled "Restored Items Detail" with a summary bar at the top: "Lists Copied: 1, Items Copied: 30, Folders Copied: 9, Other Completions: 2". Below this is a table with the following columns: Status, Operation, Locations, and Finished.

Status	Operation	Locations	Finished
Completed	Adding List: 'Shared Documents' ..., [Completed]	From: sp2010.ML_TEMP_DB_13769 - CM Web App_7242013124301PM_dfb9e80c-7f47-452d-82ab-bfc1cb456f67/Shared Documents To: http://sp2010:13769/	25/07/2013 16:51:20
Completed	Setting Content Type Order: 'ContentTypes' ..., [Completed]	From: sp2010.ML_TEMP_DB_13769 - CM Web App_7242013124301PM_dfb9e80c-7f47-452d-82ab-bfc1cb456f67/Shared Documents To: http://sp2010:13769/Shared Documents	25/07/2013 16:51:40
Completed	Copying Document: 'soccer ball history.docx' ..., [Completed]	From: sp2010.ML_TEMP_DB_13769 - CM Web App_7242013124301PM_dfb9e80c-7f47-452d-82ab-bfc1cb456f67/Shared Documents/soccer ball history.docx To: http://sp2010:13769/Shared Documents	25/07/2013 16:51:41
Completed	Copying Document: '1 byte file.docx' ..., [Completed]	From: sp2010.ML_TEMP_DB_13769 - CM Web App_7242013124301PM_dfb9e80c-7f47-452d-82ab-bfc1cb456f67/Shared Documents/1 byte file.docx To: http://sp2010:13769/Shared Documents	25/07/2013 16:52:02
Completed	Copying Folder: '2009' ..., [Completed]	From: sp2010.ML_TEMP_DB_13769 - CM Web App_7242013124301PM_dfb9e80c-7f47-452d-82ab-bfc1cb456f67/Shared Documents/2009	25/07/2013 16:52:13

Known Issues

If items are restored by Selective Restore Manager, and that destination has a StoragePoint profile, run the Unused BLOB Cleanup timer job when restoration is completed.

Large File Uploads will not always copy correctly to the destination. There must be a StoragePoint profile covering the scope of the destination and the stub will copy, but the BLOB that it is linked to, will not. Therefore the endpoint must have permissions set up correctly to allow access, if necessary, from another Web App ID.

New installs of StoragePoint version 5.0 and greater will not have content database backup or Selective Restore Manager availability. Please contact your Metalogix sales representative to obtain the independent solution for content database backup and restore.

Appendix: Creating Content Database Backups

This configuration is done on the Storage Profile page, if available.

Required - Backup and Restore Staging Path on General Settings

The Backup and Restore settings is where the Staging Area is entered. This path needs to be accessible by both the SharePoint Timer service and Microsoft SQL Server service account.

Note: This location can be local to the SQL Server and shared out but a UNC path must be specified so that the SharePoint application server can access it as well as the SQL Server.

Backup and Restore Settings

Backup and Restore Staging Area

Provide the UNC path to a folder that can be used as a temporary location for generating and restoring SQL Server backups.

Both the SharePoint Timer service and Microsoft SQL Server service account should have Full Control permissions on the file share and the underlying folder.

(NOTE: This location can be local to the SQL Server and shared out but a UNC path must be specified so that the SharePoint application server can access it as well as the SQL Server.)

Backup and Restore Staging Path

Content Database Backup Service Settings

There are two required items to use the content database backup service – a backup endpoint and a staging path for assembling the backup. There will be a warning message if either of these conditions has not been met. A link to General Settings, to configure the Staging Path will be available.

Warning: If a backup endpoint was not selected in the **Sync Backup Settings** (above) the Content Database Backup timer job can not be run.
Warning: A Backup and Restore Staging Path must be set up on the **General Settings** page before the Content Database Backup timer job can be scheduled and run.

Perform a **full backup**:

Never
 Daily
 Weekly on ▼
between ▼ ▼ and ▼ ▼

Copy-Only Backup Mode

(Optional) Perform a **differential backup**:

Never
 Daily
 Weekly on ▼
between ▼ ▼ and ▼ ▼

on Server ▼

Advanced Job Settings ([Show](#))

1. Select the *Never*, *Every*, *Daily*, or *Weekly on* option.
 - a. For *Every*, enter the interval in minutes for the timer job to run.
 - b. For *Weekly*, select the day of the week from the supplied dropdown.
 - c. For *Daily* or *Weekly*, select the start window time from the *between* dropdowns and the end window time from the *and* dropdowns.
2. Check the Copy-Only Backup Mode checkbox to create a backup that will not interfere with regular SQL backups.
3. (Optional) Schedule a differential backup to capture updates between full backups.
4. On the on Server dropdown list, select the WFE server to run the job on.
5. Click the *Show* link next to the Advanced Job Settings to view notification settings.
6. Under the Send Completion Notice: header, select whether the email notification should go out *Always*, or *Only when errors occur*.

7. In the *T0* section:
 - a. Check the Default Notifications Contacts box to have a completion email sent to the email address entered in General Settings. Note that for this feature to work, the Default Notification field on General Settings must contain a valid email address.
 - b. In the Additional Contacts box, enter a semi- colon delimited list of other email addresses that should receive the notification.
8. Click Save to save the configured job schedule. If you click Run Full Content Database Backup Now, to begin the timer job immediately, you will receive a message to save the profile first.

