



StoragePoint

Release Notes

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Release Notes

Version 5.5 Release Notes

Introduction

Metalogix continues to refine StoragePoint by incorporating additional features/enhancements that were requested as well as addressing issues experienced by our customers in implementing and maintaining Metalogix StoragePoint. The Release Notes contained within this document provide high level details on feature additions and enhancements in this release.

Please refer to the Metalogix StoragePoint Reference Guide or Adapter guides for full explanations.

Features

Support for Server 2016 (255359)

Windows Server 2016 is validated as of this release.

Filter Recall Job by Scope (258903)

The Bulk Recall job now has a scope filter to allow recalls by hierarchical SharePoint scope. This feature is not compatible with single instancing.

Fixes and Enhancements

Module	ID	Description
Storage Profiles	261621	Single Instancing option removed.
	171921	Last access date implementation has been reworked for major performance impact
	283764	Backup install detected will be a warning and won't prevent saving the profile
Timer Jobs	170841	Crawl service was slow when LastAccessDate retention is enabled.
	170857	Blobs marked for deletion were not detected for System Health report
	210229	SP2016 - Error using Library Storage window to recall or externalize - fixed
	251188	SQL update query caused deadlock
	252882	Per-ServerMaintenance job - Created a new cleanup job (hourly) running on CA server
	253353	Content Migrator - Reserved Windows Folder name error - corrected
	256308	SQL Deadlock on Farmlocks table when running the Per-Server Maintenance Job - corrected
	261321	Unused BLOB Cleanup was failing after 5.4 upgrade

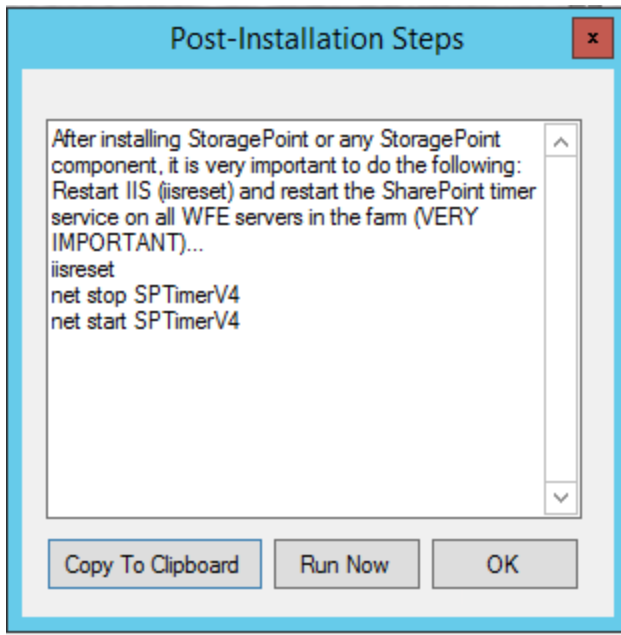
	263146	Log File Collector - no longer wipes log file destination before creating zip file
	266609	SharePoint folder in blob store selected causing object reference error when over a 245 character library structure - corrected
	272438	EBS Error reference when deleting 'non-externalized' items from SharePoint
Dashboard	170789	Dashboard incorrectly reported SharePoint Timer service was not running
Endpoints	272069	Special character validation was preventing saving connection to EMC ECS
	170868	Updated 3rd party adapters to make bulk read/write option available
Archiving	170829	PLEASE NOTE: Retained Versions will be removed in the next release in SharePoint 2013 and SharePoint 2016 because of shredded storage requirements.
Database	264834	Updated SQL requirements in documentation
	271043	'Anonymous Logon' error when attempting to Check File share and Content Database Rights - corrected
Large File Uploads	235318	Large file upload was not working in Windows 10 Edge browsers
PowerShell	172614	Large file support in PowerShell and C# API
	264803	Implemented master/worker processing commands for StoragePoint profile jobs
Licensing	190525	Notification when a new StoragePoint version is available from license timer job
Installation	275135	Deploy products.wsp to Central Admin WFE only
Backup	269643	Backup Retention Period limit to 999, increase to 4 digits
User Interface	258798	Support for browsers has been expanded.

Version 5.4 Release Notes

Features

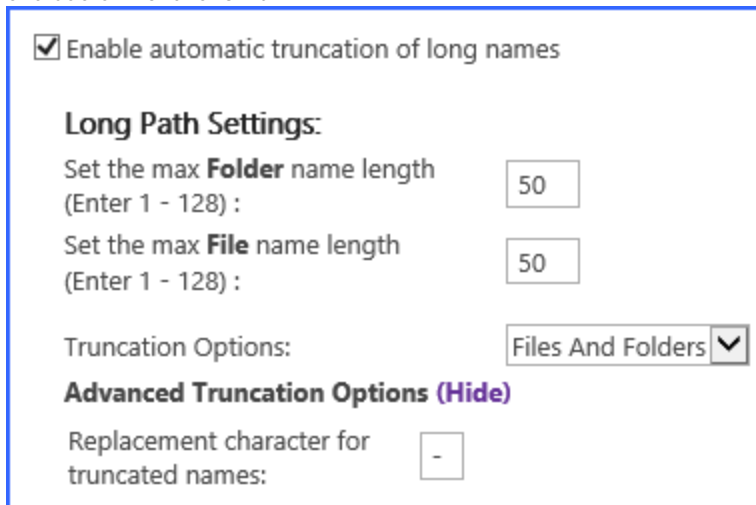
[New Option During Install or Upgrade \(172281\)](#)

A new popup is available at the conclusion of upgrading or installing StoragePoint to assist in rebooting timer services and resetting IIS.



File and Folder Name Truncation for Librarian Cataloging (170792)

A new feature has been added to allow the customization of how file and folder names are truncated to meet text limits in URLs. When using File Share Librarian to catalog a file share, SharePoint URLs may exceed the 260 character limit when there is a very deep folder structure. In order to allow the cataloging of all files and folders, StoragePoint can now automatically remove characters from folder and/or file names to create a valid SharePoint URL that falls under the character limitation. Users can define the number of characters to remove from each folder level and/or file. Characters are removed from the middle of the folder and file names so that they are still easily understood by end users in SharePoint.



Recurring Librarian Timer Job (208238)

The Librarian Timer Job can now be run on a recurring basis in order to catalog content added to the file share since the initial run of the timer job.

Job Report File Collection (170793)

On General Settings, it is possible to collect report files, similar to how log files can be collected.

Collecting Storagepoint Job Report Files

This timer job will get Storagepoint job reports from the database, to a central location specified in the Report File Destination Path. Ensure this path is in a UNC format.

Click button "Collect Report Files Now" to schedule Report File Collector timer job to collect report files from database. After the timer job is done, button "Download Collected Report Files" will be enabled, and you can click it to download.

To automatically collect report when Storagepoint History Cleaner job is run, check the AutomaticallyCollectJobsReport option. This will export the reports to the Purged Reports Location which can be edited in History Purge Settings in System Configuration section.

Report File Destination Path:

Number of Report Files to be Downloaded:

Report Files Created Between

And

Run this job on server:

Automatically Collect Jobs Report

[App Server Install Tool for SharePoint 2016 \(227044\)](#)

The App Server Installer has been upgraded to support SharePoint 2016 installations.

[Support for SQL 2016 \(227044\) and Windows Server 2016](#)

SQL 2016 has been tested with SharePoint 2016 and StoragePoint compatibility. Windows Server 2016 has been tested and is supported.

[Large file upload dialog box does not require Silverlight \(170816\)](#)

In order to increase browser support, the large file upload dialog box is now built using HTML5 as the default, instead of Silverlight.

Fixes and Enhancements

Module	ID	Description
Storage Profiles	203646	Access to profile fixup page was denied
	231189	Metadata rule was failing when using foundation
	222408	StoragePoint profile/endpoint to check SQL permissions are set correctly.
	246426	Storage Rule - Hierarchical Scope filter didn't work for content type [Only SP2010]
	215836	Check fileshare permission gave out a page with correlation ID
	208233	Client customer handler failing due to duplicate code in storagepoint.js
Timer Jobs	239496	Unused Blob Cleanup job was taking excessively long to execute
	232110	UnusedBLOBCleaner issues with null ListID and WebID columns
	235003	BLOB Health Analyzer error for backup blob recovery

	202063	Master/Worker configuration wasn't using workers
Dashboard	227287	Dashboard had an issue when Storagepoint DB is on different SQL instance
	213965	Unable to access the dashboard from site collection, - object reference not set to an instance error
Adapters	234988	EBR retention is not working with synchronous profiles
	250860	Better exception handling for Centera
	232108	EMCCentera adapter - memory leak issue when try to get item from storage
	234984	EBR with Centera was not firing when EBR rule is enabled after doc uploading
	230608	EBR property was being inconsistently set when using Centera
Archiving	232282	Creating new archiving rule -> 'Date' field allows null.
Database	246906	SQL 2016 Encryption
Large File Uploads	225891	Error: createdBy, modifiedBy Parameter name: Specified value is not supported for the createdBy, modifiedBy parameter
	250071	Permissions checked to gain access to Large Files
	224863	Download link redirect of large files
	224864	Large file download exception if user was not in the user info table
	229549	Large File user data not updating for Large Files
Librarian	77146	SP2013 - MySites - was missing default libraries so the librarian job failed
PowerShell	172681	Expose license info via PowerShell
User Interface	239802	Recycling Profile Externalization did not enable the StoragePoint feature on site collections when a site collection in the profile scope is over its size limit

Version 5.3 Maintenance Release Notes

Introduction

Metalogix continues to refine StoragePoint by incorporating additional features/enhancements that were requested as well as addressing issues experienced by our customers in implementing and maintaining Metalogix StoragePoint. The Release Notes contained within this document provide high level details on feature additions and enhancements in this release.

Please refer to the Metalogix StoragePoint Reference Guide or Adapter guides for full explanations.

Features

[IBM COS S3 Adapter \(218593, 224083\)](#)

A new interface has been built to accommodate IBM Cloud Object Storage endpoint support.

Fixes and Enhancements

Module	ID	Description
Storage Profiles	170848	Event Based Retention working with Web Content Types is working. Previously, if a content type EBR was needed, it had to be configured at the site collection content type.
	207439	Metadata filter did not work correctly for content types with Yes/No Columns.
	232282	Null values are allowed in archiving rules for date fields.
Timer Jobs	200111	Server Memory was maxed out running Unused BLOB Cleanup with EMC Centera Adapter.
	219531	The content type filter was being ignored on Bulk Externalize for EMC Centera.
	224306	Not all child profiles were being shown on the EBS>RBS conversion page.
	202063	Master/Worker Configurations are invoking workers where appropriate.
	232110	Unused BLOB Cleanup job was not removing blobs from system cache when Site Collection Templates were used.
Dashboard	205677	Profiles board was returning an error.

Version 5.3 Release Notes

Features

[Encryption and Compression can be used on System Cache with Large File Uploads \(170796\)](#)

The Large File Upload feature has been modified to accommodate those who wish to enable encryption and compression on the System Cache.

[Reports now have Filters for use with Large Farms \(170810\)](#)

With larger farms, running reports such as the System Health, System Audit and BLOB Health Analyzer Reports can take a considerable amount of time. These filters allow the admin to limit the scope of the report.

System Health Report

Create a spreadsheet to gain more insight into all externalized BLOBs like BLOB location, BLOB ID, file name, SharePoint path, marked for deletion, etc and EndPoint information.

To start, click on the following link: [Export System Health Report to CSV](#)

Job Filter *(Hide)*
for the following scope:
Web Application = Artists [Change](#) [Clear](#)

System Audit Report

Create a spreadsheet to gain more insight into changes that your users have made to StoragePoint. This report will display an audit trail of changes made to profiles, endpoints, and movements of BLOBs.

To start, click on the following link: [Export Audit Report to CSV](#)

Job Filter *(Hide)*
for Profiles , Endpoints , Migrations

Schedule this process to run:

Never
 Daily
 Weekly on
between and
on Server

Job Filter *(Hide)*
for the following scope:
Web Application = Artists
Content Database = vangogh [Change](#) [Clear](#)
Site = http://sp2013a-wfe1:20264

Advanced Job Settings *(Show)*

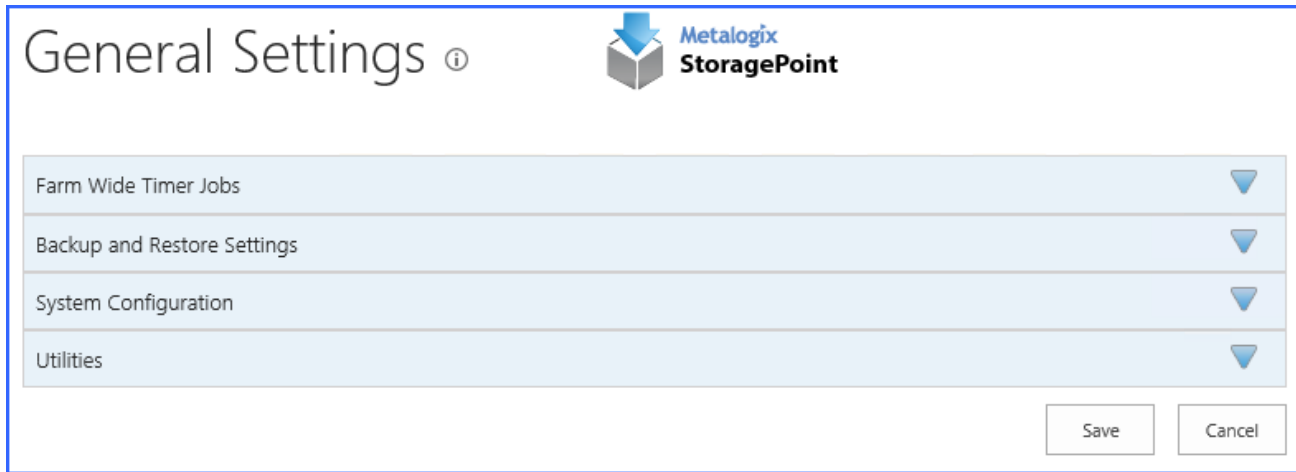
Restore Missing BLOBs

[Amazon S3 Adapter has been updated to support the latest protocol \(170867\)](#)

The old protocol is Signature version 2 and the new regions only support signature version 4.

[General Settings Page Navigation Improvements \(172593\)](#)

With the ever growing configuration options available on the General Settings page, the sections were given an 'accordion' feature to collapse or expand sections.



SharePoint 2016 Support (170800)

StoragePoint 5.3 has been verified against the latest SharePoint 2016 release. With a few known issues, functionality remains the same.

Fixes and Enhancements

Module	ID	Description
Storage Profiles	170848	Event Based Retention is now working for Web Content Types
	188888	Error uploading files over 60 MB - fixed
	172636	StoragePoint supports and recommends IE as primary browser for StoragePoint usage and partially for other browsers (chrome, firefox etc)
PowerShell and API	171911	The Per Server Maintenance Job is configurable from PowerShell
	126055	Guardrails to prevent adding librarian or system cache to profile as endpoint
	126172	Add (an optional) named server parameter to PS cmdlet
	126742	Add-EndpointToProfile - hierarchical scope error - fixed
	126832	Object reference error when endpoint name does not exist using Add-Profile cmdlet - fixed
	126883	STP Powershell - Add-Profile command - Null Reference exception when enter wrong scope ID - fixed
General Settings	170842	Not all events are being logged for Audit Trail for Endpoint and Profile Changes - fixed
Timer Jobs	170832	StoragePoint Per-Server Maintenance Job was running on every (farm) server having Timer Service running on it.

	182796	aspx pages. Css files and XLS files when in a recycle bin cause the Content Migrator job to display error that file does not exist. - fixed
	170860	StoragePoint TJ names should start with *StoragePoint* prefix. - fixed
	126838	On BLOB jobs fails, in some cases the summary link is unavailable - fixed
	126896	Bulk Externalization does not externalize if there is a rule using a content type. - fixed
Dashboard	190520	Endpoint Tab on Dashboard reports object reference error - fixed
	170862	Sorting ULS records in the dashboard does not do anything in the UI and gives event viewer errors - fixed
File Share Librarian	205364, 170818	Librarian cataloging incorrectly assigns permissions - fixed
	170863	Role assignments for SP folders is incorrect - fixed
StoragePoint Details	126474	STP Details - cannot open in Chrome for SP 2007 - fixed
Large File Uploads	189230	Large File Upload button not getting removed from Site collection - fixed
	172598	Problem uploading Large Files using latest version of Firefox - fixed
	172678	Large file upload displays wrong modified by user - fixed
	170825	Add ability to break inheritance but still apply permissions at library level
	170827	Preserve versions in System Cache in between runs of the Content Queue Migrator job
	170821	Large file download security loophole - fixed
Endpoints	206190	EMC Centera - can't retrieve files - fixed
	170834, 205977	Amazon S3 encryption key is stored in plain text - fixed

Known Issues

Introduction

Metalogix continues to refine StoragePoint by incorporating additional features/enhancements that were requested as well as addressing issues experienced by our customers in implementing and maintaining Metalogix StoragePoint. Despite these best efforts some known issues still remain that are useful to be aware of before installing or upgrading the StoragePoint implementation.

Installer May Not Always Rollback on Abort

Depending on how far into the process, the installer may not be able to rollback all performed operations. It is recommended that verification is performed in Central Administration that the solution was successfully deployed if installing/repairing/upgrading or successfully retracted if removing. Look under Solution Management on the Operations page to check the state of the `bluethread.storagepoint.feature.wsp` feature.

Installer May Fail if Critical Updates Are Missing

Although this may apply to other updates, the StoragePoint installer may fail if the update for Visual C++ is not installed. Please see this link: <http://support.microsoft.com/kb/2538242>.

Uninstalling other Metalogix Products

If other Metalogix products are used on the SharePoint farm, i.e. Content Matrix Organizer, and the other product is uninstalled, StoragePoint links may not work. To resolve this, run the StoragePoint Installer with the Repair option.

Applying CU or Updates

Applying a Microsoft SharePoint Cumulative Update or upgrade will require an `iisreset` and a reboot of the timer service on all servers in the farm.

StoragePoint and Microsoft Distributed File System Technology

Per recommendation from Microsoft, Distributed File System was designed for static data sets. Because of this, it is not recommended for use with Metalogix StoragePoint or any application using dynamic files.

Please see the following for Microsoft recommendations:

Information about Microsoft support policy for a DFS-R and DFS-N deployment scenario

<http://support.microsoft.com/kb/2533009>

Understanding (the Lack of) Distributed File Locking in DFSR

<http://blogs.technet.com/b/askds/archive/2009/02/20/understanding-the-lack-of-distributed-file-locking-in-dfsr.aspx>

Common DFSR Configuration Mistakes and Oversights

<http://blogs.technet.com/b/askds/archive/2010/11/01/common-dfsr-configuration-mistakes-and-oversights.aspx>

Large File Support

- StoragePoint has always been a tool to be used at the Site Collection Administrator and Farm Administrator level. When large file support is enabled by the administrator, the new user interface for Large File Uploads will be visible to anyone with contribute level or higher access, or with the Add Item security setting for a custom security level. These users may need some instruction on how to use the interface. Alternatively, it can be disabled farm-wide on the General Settings page. Please see the 'Administrators Should Know' section of the Metalogix StoragePoint Reference Guide for more information.
- If Large File Support is enabled, the Unused BLOB Cleanup job scans all content for orphaned BLOBs. If a Site Collection has recently been deleted, SharePoint doesn't delete it until the Gradual Site Delete timer job has been run. The Unused BLOB Cleanup job may return errors until the deleted site collection is removed by SharePoint. It is recommended that the Gradual Site Delete timer job be manually run, after deleting a Site Collection.
- Archiving and Records and Holds Management are not compatible with Large File Uploads. Only the aspx file is moved. In the case of Records management, declaring and/or undeclaring a record causes the aspx file to stay in the system cache.
- In some cases, the open action for a large file will not work. In this case, open the Large File Details window and use the download link. Using the download link from SharePoint will download the aspx file.
- Large File Support is not compatible with Microsoft Edge browser.

Large File Content Type

When saving a storage profile, if a storage profile ever existed for the scope of the new profile, and Large File Support was enabled and used, a message about a duplicate content type might be displayed. The new profile is saved, however, and the message can be ignored.

FIPS Compliance

Enabling Federal Information Processing Standards can cause errors across the SharePoint farm and is not compatible with StoragePoint.

Incorrect Endpoint Size and BLOB Count on Dashboard

After running the unused blob cleanup to confirm dashboard metrics have been collected recently, there may still be a discrepancy between the data reported on the dashboard, and the actual number/size of data on the endpoints. If there seems to be a discrepancy, use the values directly from the endpoint.

If the endpoint has a retention period enabled over and above any retention periods configured in SharePoint (recycle bins) or StoragePoint (retention period), BLOBs on these endpoints may be counted as 'Unused BLOB Files Removed' in the Unused BLOB Cleanup Job Summary.

EBS and RBS

If the SharePoint farm is configured to use both EBS and RBS, StoragePoint will only use RBS. For example, if there is Site Collection scoped profile that is using EBS, but also a broader scoped Content Database profile that is using RBS and covers the scope of the EBS profile, content will be externalized using the RBS Content Database profile.

Using the StoragePoint EBS to RBS Conversion timer job, warnings may be occasionally experienced if Records and Holds Management are enabled on the profile(s) affected. These errors are not harmful and can be ignored.

Using the Previous Version of SharePoint for the Look and Feel

If sites are being created with a user interface from a previous version, i.e. creating a site in SharePoint 2013 with a SharePoint 2010 look, the StoragePoint controls will not be available. Please contact support with the SharePoint version and the exact version of StoragePoint. A solution can be made available.

SharePoint 2013 Eval Sites

When upgrading to SharePoint 2013, there is an option to view the SharePoint 2010 sites as an evaluation copy in order to correct layout and format. The url of this site will be different than the copied site, and this may break the link to externalized BLOBs if content is copied.

Metalogix Archive Adapter

The Metalogix Archive Adapter is not compatible with Endpoint Start Folder, when configuring the storage profile.

Loading Files Outside of the UI

Content that is uploaded using PowerShell or some other third party tool will create extra BLOBs in the system cache. If this method is used, running the Unused BLOB cleanup will take care of the extra BLOBs.

Bulk Recall and Unused BLOB Cleanup

After performing a Bulk Recall, it may be necessary to run the Unused BLOB Cleanup job to remove BLOBs from the endpoint. The Bulk Recall no longer removes blobs if they have not passed the BLOB retention period.

Selecting Scope for a Profile goes to Central Admin

The issue occurs when selecting the scope of a profile. The change button is clicked which opens a window to show the SharePoint Farm structure. If a different Web Application is selected in the upper right corner, the new window that opens shows the Central Admin page instead of the list of Web Applications.

The root cause was that the Central Admin session that was opened to access StoragePoint was not using the default internal Alternate Access Mapping.

For example, to access Central Admin someone was using `http://servername.fullyqualified:100` and not `http://servername:100`. The default internal AAM should be used.

Dashboard Endpoint Measurements

The endpoint measurements on dashboard may not reflect the same item count or size of the files shares that the endpoint uses. The data for dashboard is gathered from a profile perspective, not the system properties.

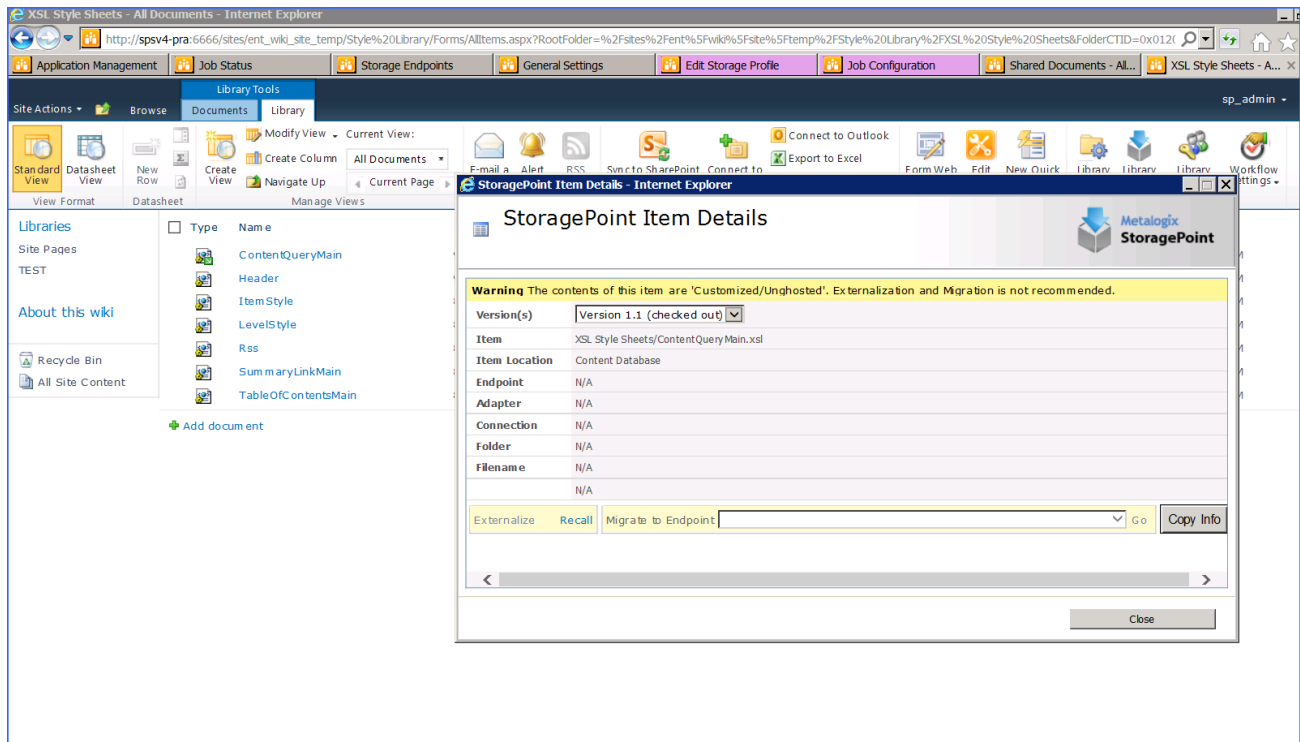
Scheduling the Process Existing Jobs

When Archiving, Records or Holds are enabled on a profile, the Process Existing dialog is displayed when saving the profile. This allows those newly created rules to be applied to existing content, and categorically migrate the content to the correct endpoint.

If the job is to be scheduled for a later time (process existing content at a later time, such as when most users are not online) rather than immediately, the date and time pickers are displayed below, and scrolling down may be necessary.

Customized or Unhosted Files

Customized or unhosted files will not be excluded from externalization unless the profile endpoint selection mode is asynchronous. See Synchronous versus Asynchronous in the Metalogix StoragePoint Reference Guide for more information.



The screenshot displays the 'StoragePoint Item Details' window. A yellow warning banner at the top states: "Warning The contents of this item are currently 'Uncustomized/Ghosted' to the file-system and are not managed by StoragePoint." Below this, a table lists item details:

Item	XSL Style Sheets/SummaryLinkMain.xsl
Item Location	File System
Endpoint	N/A
Adapter	N/A
Connection	N/A
Folder	N/A
Filename	N/A
	N/A

At the bottom of the table, there are buttons for 'Externalize', 'Recall', and 'Migrate to Endpoint' (with a dropdown menu), a 'Go' button, and a 'Copy Info' button. A 'Close' button is located at the bottom right of the window.

PowerShell

When creating profiles with PowerShell, be specific with the use of the `-UseRBS` flag. EBS is the default in SharePoint 2010, so if this flag is left off, the profile will be configured to use EBS. This can present problems if EBS hasn't been activated on the SharePoint 2010 farm. It is also still needed for SharePoint 2013, but needs to be set to false.