



StoragePoint

Release Notes

December 19, 2017

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Release Notes

Version 5.6 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.

PLEASE NOTE:

- This release will be the last version of StoragePoint to support SharePoint 2007. Future releases will not include a version to be installed on SharePoint 2007.
- In future releases, Archiving will not be supported for profiles with File Share Librarian Configurations. In the 5.6 release, new profiles with Librarian Configurations will not be able to add archiving.

Restoration of Content Database Backups on the Profile Page

Content Database backup functionality has been restored to the profile pages. This functionality allows for the backing up of SharePoint Content Databases to be used to restore content.

Warning: If a backup endpoint was not selected in the **Backup Settings** (above) the Content Database Backup timer job cannot be run.

Content Database Backup Service Settings

Provide job and schedule settings in this section. This service backs up content database(s) to the profile's Backup Endpoint.

A **Full Backup** is a complete standalone backup of the content database.

A **Differential Backup** is a backup of only the changes made since the last Full Backup. Differential Backups are usually much smaller than Full Backups and complete quicker. However, a Differential Backup always requires that at least one Full Backup has been performed previously.

The **Copy Only Backup Mode** option allows a **Full Backup** to be taken that does not interfere with the conventional backup/restore sequence of SQL Server backups. This would normally be used if SQL Server backups are already being taken separately from StoragePoint and StoragePoint should not interfere in the existing process. This option applies only to **Full Backups** and may not be used with Differential Backups.

Perform a **full backup**:

Never

Daily

Weekly on Sunday

between 12 AM and 1 AM

Copy-Only Backup Mode

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

Never

Daily

Weekly on Sunday

between 12 AM and 1 AM

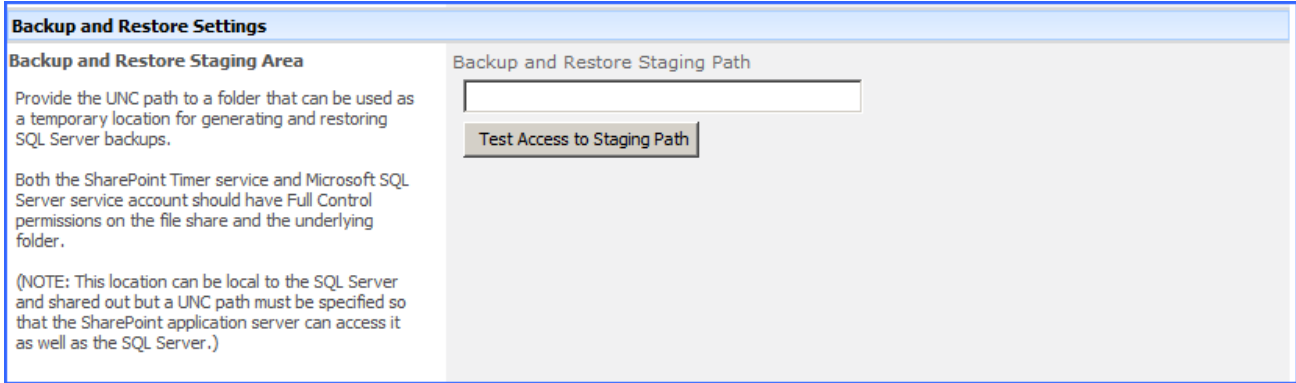
on Server: s1-sp10-sql08

Advanced Job Settings [\(Show\)](#)

Run Content:Database(s) Backup Now

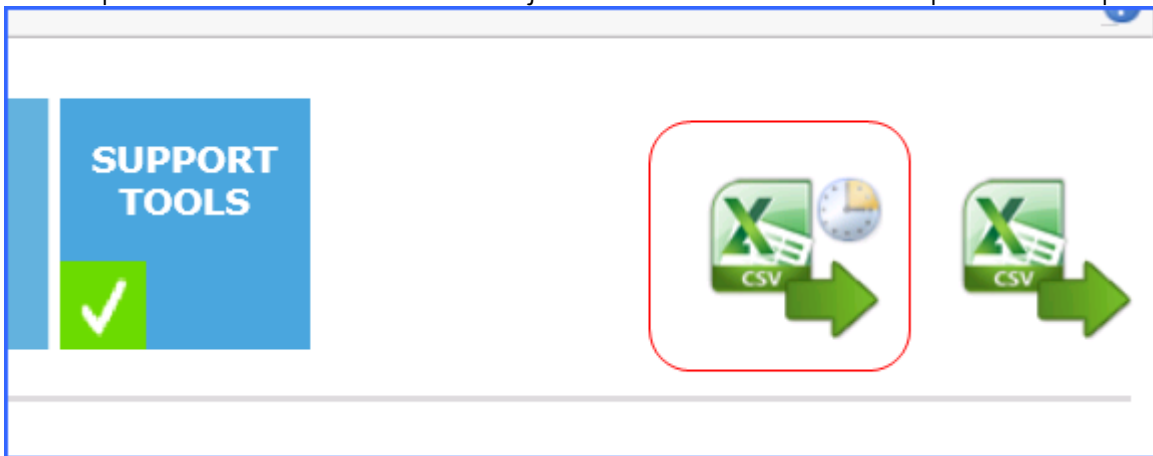
Restoration of Staging Path on General Settings

In order to use the Content Database backup functionality, a staging path must be entered on General Settings.



New Timer Jobs Report on Dashboard - 172306

A new report has been created to review timer job schedules in order to maintain optimum server performance.



New BLOB ID Decoder on Dashboard - 172360

A way has been provided to return helpful information about a BLOB ID. It can be found by clicking Support Tools on the Dashboard.

SYSTEM HEALTH **PROFILES** **ENDPOINTS** **TIMER JOBS** **SUPPORT TOOLS**

BlobId Decoder

Blob Id:

Result:

Blob Id: 1ba45349-c0a1-47e0-a496-ff779f61da9a
Profile Id: 1a3c1caf-e70b-4e93-b7f2-3ad21ca84b23
Profile Name: Colors CDB
EndPoint Id: 7726619e-0350-45b5-b79b-
Folder: Blue\2017\12\05\23\35
File Name:
EndPoint Name: EP1

[Configurable Timeout Settings for the Installer - 273701, 172392](#)

The installer has been equipped with a longer default timeout setting to accommodate the ever increasing number of larger SharePoint farms. It is also configurable. See the Advanced Installation Guide in the Metalogix folder.

Fixes and Enhancements

Module	ID	Description
Storage Profiles	309452	Retiring profiles wasn't accounting for cataloged content
Timer Jobs	267622	Following upgrade to 5.4 and application of "Orphaned ADV record" hotfix, UBC job was not releasing memory and pegging server
	267720	Updated the Content Migrator job to use a FIFO process
	277464	NativeHR errors during Content Migrator job run - fixed.
	288732	UBC Job Slow, Health Analyzer job error: "Error Message: Specified cast is not valid." fixed.

	299523	BLOB Health Analyzer was not running on one Content DB Profile
Dashboard	288770	Error Dashboard - Rendering - Site Profile Board - Unexpected error occurred. Details: Login failed for user 'NT AUTHORITY\ANONYMOUS LOGON' - fixed.
	297429	Removed warning on dashboard for a profile needing UBC if profile has only Librarian endpoints
	305964	EBS Error reference when deleting 'non-externalized' items from SharePoint - Fixed for Libraries, and now Lists
Librarian	304674	Endpoints, Profiles, and Librarian Configuration Pages were inaccessible when file structure was greater then 250 characters and had special characters in the file structure
	308699	Error in cataloging sub folder in EnumDirs - fixed
	309060	Special Characters no longer Removed After File Share Cataloging
	313049	Object reference not set to an instance of an object error in File Share Librarian - fixed.
	313750	Enabling "Promote folder permissions to SharePoint containers" in after initial configuration and initial cataloging in File Share Librarian and re-running catalog now grants permissions on accounts
Large File Uploads	291729	Large file upload CurrentUser was NULL
	305541	Document link was failing for StoragePoint Large Files when no root site exists in the Web Application
PowerShell	294629	-jobsrv was not working for scheduled timer jobs
	294728	New PowerShell cmdlets for recalling/externalizing individual files
	311144	Set-ContentMigrator PowerShell cmdlet was failing when -RunNow parameter used
Licensing	269566	Upgrade from 5.2 to 5.4 not showing 5.4 on the license page -fixed.
	318969	New StoragePoint Notification improvements about upgrades available.
Installation	303883	Error on installation step: GetAllOtherThirdPartyRbsProviders() - fixed.
Documentation	311351	StoragePoint Documentation Change - SharePoint 2016 Requirements clarified.
User Interface	278735	StoragePoint Item Details not showing for sites within the App Catalog - can be registered manually, but recommendation is to exclude app catalog from externalization.

Version 5.5 Release Notes

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

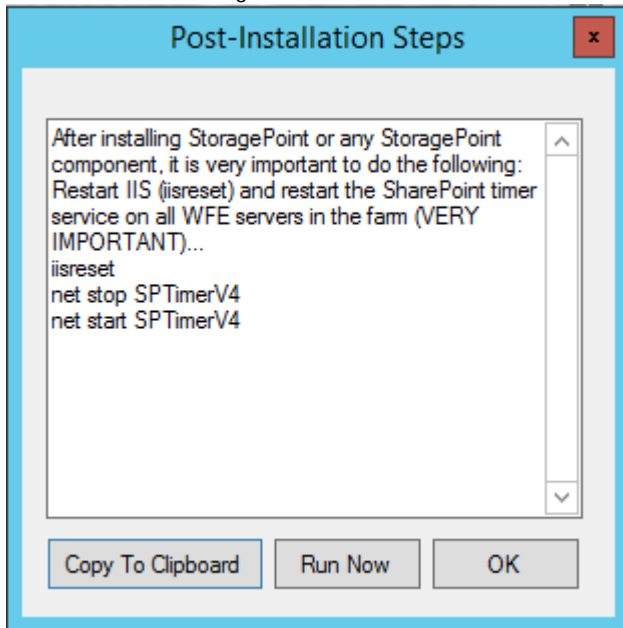
Module	ID	Description
Storage Profiles	261621	Single Instancing option removed.
	171921	Last access date implementation has been reworked for major performance impact
	283764	Backup install detected will be a warning and won't prevent saving the profile
Timer Jobs	170841	Crawl service was slow when LastAccessDate 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

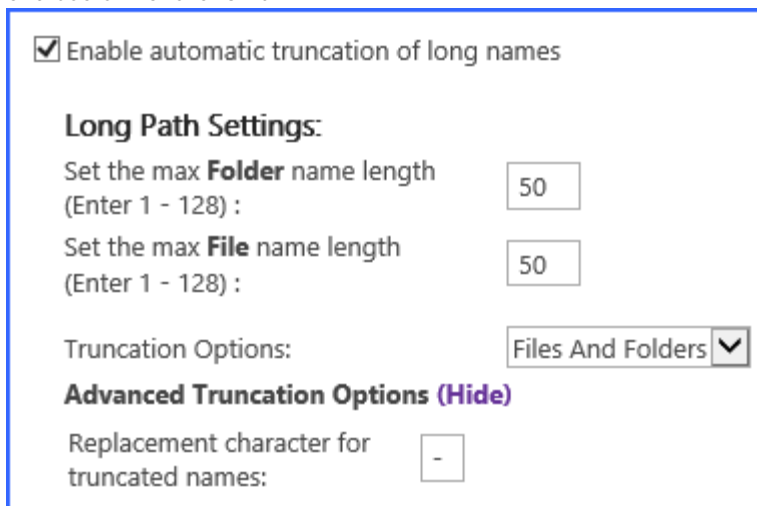
[New Option During Install or Upgrade \(172281\)](#)

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
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

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.

Copying a Profile

In some instances, after copying a profile, the StoragePoint links are not displayed within the scope of the newly created profile. To remedy this, a profile reboot may be needed. A profile reboot is when you open the profile, disable externalization, save the profile, open and enable externalization on the profile, and save.

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.

The content type is called StoragePoint Document Link.

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.

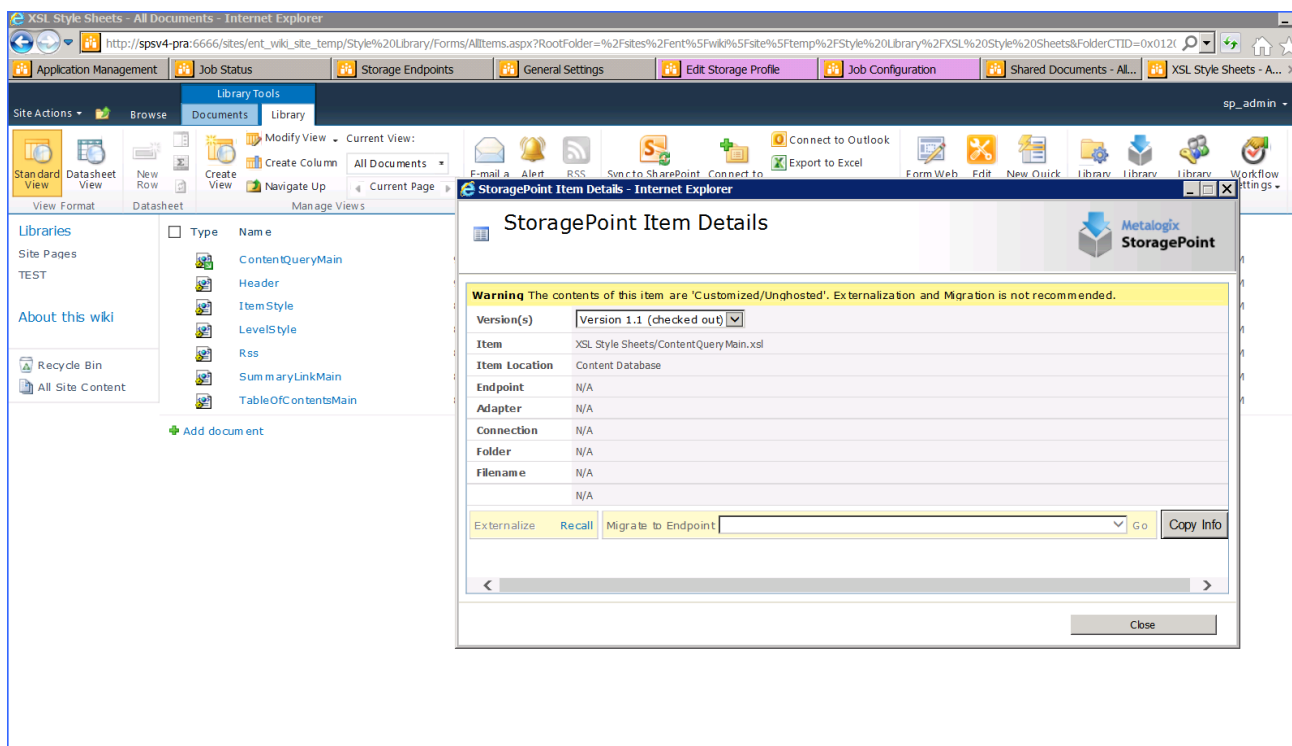
Scheduling the Process Existing Jobs

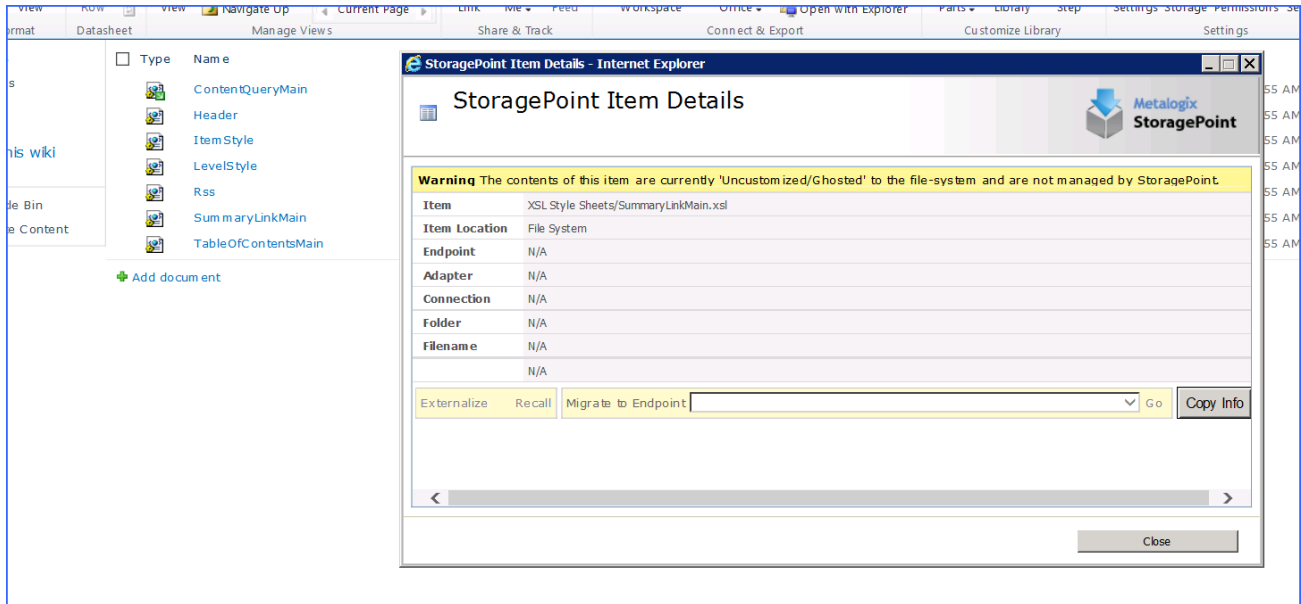
When Archiving, Records or Holds are enabled on a profile, the Process Existing dialog is displayed when saving the profile. This allows those newly created rules to be applied to existing content, and categorically migrate the content to the correct endpoint.

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 Unghosted Files

Customized or unghosted 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.





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.