

Metalogix® StoragePoint 5.8

Metalogix Archive Adapter Guide



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Metalogix Archive Adapter Configuration

This section will provide you details on how to configure a storage endpoint's connection string to utilize the Metalogix Archive Manager Adapter. Please refer to the StoragePoint Reference Guide for information on managing Storage Endpoints.

NOTE: SharePoint 2016 is not compatible with the Metalogix Archive Adapter, at this time.

On the Application Management page, click *Storage and Backup Endpoints*.

Click *Create New Endpoint* or click the name of an existing storage endpoint that you want to edit.

Click the *Show* link next to the Advanced Adapter Settings to see the additional fields.

Metalogix Archive Adapter Connection String Parameters

Setting	Value/Options
Name	Enter the unique name of the Storage or Backup Endpoint.

Setting	Value/Options
<p>Type</p> <div data-bbox="204 309 544 412"> <p>Type</p> <p><input checked="" type="radio"/> Primary <input type="radio"/> Backup</p> </div> <p>See Backup Services Settings in the Reference Guide for more information on how Backup Endpoints are used.</p>	<p><i>Primary</i>– this endpoint will be available for externalization when creating storage profiles.</p> <p><i>Backup</i>– this endpoint will be in the Backup Services dropdown on the profile page.</p> <p>The selection is locked down when saving.</p>
<p>Status</p> <div data-bbox="204 745 611 864"> <p>Status</p> <p>Online</p> </div>	<p><i>Online</i>– Storage Endpoint should be available to associate to a Storage Profile and accept BLOBs. (default)</p> <p><i>Offline (Read Only)</i>– A storage endpoint can be configured, but not made available for externalizing content. The BLOBs already on the endpoint are still read only.</p>
<p>Adapter</p> <div data-bbox="204 1196 572 1285"> <p>MetalogixArchive</p> </div>	<p>Select the adapter for the endpoint that is being created.</p>
<p>Metalogix Archive Web Service URL</p> <div data-bbox="248 1402 876 1447"> <input type="text"/> </div> <p><i>Metalogix Archive Web Service URL address must be provided.</i></p>	<p>Enter the URL of the HSM Web service that was created during the configuration of Archive Manager.</p>
<p>Schema ID</p> <div data-bbox="204 1554 536 1675"> <p>▼ Get Schemas</p> </div>	<p>Click Get Schemas to retrieve schemas associated with the web service. Click one to select it.</p>
<p>Retention Period</p> <div data-bbox="204 1724 493 1836"> <p>0 Month(s)</p> </div>	<p>Enter a retention period.</p>

Setting	Value/Options
<p>Advanced Adapter Settings <i>(Hide)</i></p> <p>Buffer Size (in bytes)</p> <input data-bbox="248 367 531 405" type="text" value="65536"/>	<p>Click Show to see the Advanced Adapter Settings. Enter a buffer size, or use the default (65536).</p>
<p>Is WORM Device</p> <input data-bbox="288 568 392 607" type="button" value="No"/>	<p>If the endpoint is on a WORM (Write Once, Read Many) device, Unused BLOB Cleanup will ignore this endpoint.</p>
<p>Folder Content in BLOB Store</p> <input data-bbox="233 748 320 786" type="button" value="Yes"/> <p>Folder Scheme</p> <input data-bbox="233 837 560 875" type="text" value="YYYY/MM/DD/HH/MM"/>	<p><i>No</i>– Externalized content BLOBs are not placed in folders.</p> <p><i>Yes</i>– Externalized content BLOBs are placed in folders (default).</p> <p>If <i>Folder Content in BLOB Store</i> is <i>Yes</i> then you can select a date/time folder scheme from the dropdown.</p> <p>YYYY/MM/DD/HH/MM is the default.</p>
<p><input data-bbox="248 1346 544 1384" type="button" value="Test Storage Settings"/></p>	<p>The Test Storage Settings button can be used at this point, or after completing the endpoint configuration, to verify that the endpoint is accessible.</p>
<p>Compress Content in BLOB Store</p> <input data-bbox="233 1666 320 1704" type="button" value="No"/> <i>Content is compressed using the GZip/Deflate method.</i>	<p><i>No</i>– Externalized content BLOBs are not compressed (default).</p> <p><i>Yes</i>– Externalized content BLOBs are compressed.</p>

Setting	Value/Options
<p>Encryption Method for Content in BLOB Store</p> <p>None</p>	<p><i>None</i>– Encryption will not be applied to externalized BLOBs (default).</p> <p><i>AES (128 bit)</i>– 128 bit AES encryption will be applied to externalized BLOBs.</p> <p><i>AES (256 bit)</i>– 256 bit AES encryption will be applied to externalized BLOBs.</p>
<p>Encryption Key Passphrase</p> <p>Generate Key</p> <p><i>Enter a passphrase to be used to generate a key or leave blank to generate a random key. The passphrase entered is not saved with the Endpoint.</i></p>	<p>Enter a passphrase to use when generating the encryption key. Using a passphrase will help you re-create the encryption key if necessary. You can generate a random key by leaving the box blank and clicking the <i>Generate Key</i> button. The encryption key passphrase will be hidden.</p>
<p>Generate warning notification if:</p> <p><input checked="" type="checkbox"/> 10 or more successive errors are encountered</p> <p><input checked="" type="checkbox"/> there is less than 10 <input checked="" type="radio"/> MB <input type="radio"/> % of free space</p>	<p>A warning email can be sent if it encounters errors.</p>
<p>Automatically take endpoint offline if:</p> <p><input checked="" type="checkbox"/> 25 or more successive errors are encountered</p> <p><input checked="" type="checkbox"/> there is less than 1 <input checked="" type="radio"/> MB <input type="radio"/> % of free space</p>	<p>An online storage endpoint can be automatically taken offline if it encounters errors. If a storage endpoint is taken offline automatically, BLOBs that were intended to be written to that endpoint will go to the content database.</p>

Setting	Value/Options
<p>Send Offline Notifications to:</p> <p><input checked="" type="checkbox"/> Use Notification Defaults</p> <p>Additional Contacts</p> <p><u>admin@company.com</u></p> <p><i>Provide a semi-colon delimited list of e-mail addresses.</i></p>	<p>Default email addresses for system error and offline notification can be entered. Check the box to include the list of Default Notification Contacts specified on the General Settings page.</p>

Example Storage Endpoint using Metalogix Archive Adapter

The screenshot shows the configuration interface for the Metalogix Archive Adapter. It includes a dropdown menu for the adapter type, a checkbox for 'Show Connection String', a text field for the 'Metalogix Archive Web Service URL' containing 'http://10.', a dropdown for 'Schema ID' with '1' selected and a 'Get Schemas' button, a 'Retention Period' section with a text field '90' and a dropdown 'Year(s)', an 'Advanced Adapter Settings (Show)' link, and a 'Test Storage Settings' button.

Click the *Show Connection String* checkbox to edit the connection string. Otherwise, fill in the connection fields shown for the adapter selected. Notice that the connection string parameters are name/value pairs separated by semi-colons.

This screenshot shows the 'Storage Settings' section of the configuration. On the left, it says 'Provide storage device settings in this section.' On the right, the 'Adapter' dropdown is set to 'MetalogixArchive'. The 'Show Connection String' checkbox is checked. The 'Connection' text area contains the string: 'SERVICE_URL=;SCHEMA_ID=;RETENTION=0M;BUFFER_SIZE=65536;'. Below the text area is a note: 'Provide adapter-specific connection attributes. Please refer to the adapter documentation for connection string details.'

NOTE: Adapter parameters are not case-sensitive.

NOTE: You should always use a passphrase when generating encryption keys. The passphrase gives you a means of re-creating keys should they become unrecoverable or corrupt. It is very important to remember or record the passphrase outside of Metalogix StoragePoint. Otherwise, encrypted content could become irretrievable in the event of a database failure.

If you choose to externalize content you should test the storage profile settings by clicking the *Test Storage Settings* button. A message under the button will indicate whether or not the test was successful. If the test fails the message will include the error that was the root cause of the failure.

NOTE: When testing access to an endpoint from within Central Administration, the Identity of the Application Pool hosting the Central Administration Site is the one that is being used for the test. If there are different Identities used for other Web Applications in the Farm then those identities will also need access but cannot be tested from within Central Admin itself. See BLOB Store Security and Metalogix StoragePoint Required Privileges in the Metalogix StoragePoint Reference Guide.

NOTE: The Endpoint Start folder cannot be used for profiles that use the Metalogix Archive Adapter endpoint.

Large File Support is not compatible with the Metalogix Archive adapter.

Appendix: Troubleshooting

Problem: Receiving errors on storage or retrieval of externalized content.

Wherever possible, StoragePoint surfaces error messages returned by the adapter either directly to the user or within the SharePoint ULS logs. You should refer to your storage platform/provider documentation for resolution to errors logged by the adapter.

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We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

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Contacting Quest

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Technical Support Resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

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- View Knowledge Base articles

- Sign up for product notifications
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- Chat with support engineers online
- View services to assist you with your product