

Metalogix® StoragePoint 5.9

EMC Isilon Adapter Guide



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Isilon Adapter Configuration

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

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.

Adapter
EMCIsilon 

Adapter Settings Show Connection String

Host

Share

Directory

Port

Use SSL
No

User

Password

Retention
 None
 Date Format

 Duration/Interval Day(s)

Advanced Adapter Settings *(Hide)*

Buffer Size

Isilon Adapter Connection String Parameters

Setting	Value/Options
<p>Name</p>	<p>Enter the unique name of the Storage or Backup Endpoint.</p>
<p>Type</p> <div data-bbox="204 584 544 685"> <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 1048 611 1167"> <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 1473 579 1570"> <p>EMCIsilon</p> </div>	<p>Select the adapter for the endpoint that is being created.</p>
<p>Host</p> <div data-bbox="204 1615 874 1711"> <p>enter IP address or host name for the cluster</p> </div>	<p>IP or DNS name chosen at the time the storage solution was provisioned which represents the Isilon access point.</p> <p>Single host examples:</p> <p>mycluster.company.com</p> <p>Or</p>

Setting	Value/Options
	192.168.1.42
<p>Share</p> <input data-bbox="236 434 845 474" type="text" value="enter Isilon share name"/>	Enter the Isilon share that will be used to hold content specific to this endpoint.
<p>Directory</p> <input data-bbox="236 604 855 645" type="text" value="enter Isilon share directory (optional)"/>	If needed, specify the path within the Share listed above.
<p>Port</p> <input data-bbox="236 761 552 801" type="text" value="enter the port number"/>	Enter the port number of the Isilon access point.
<p>Use SSL</p> <input data-bbox="245 936 338 976" type="button" value="No"/>	Select whether or not SSL is required to access the Isilon storage.
<p>User</p> <input data-bbox="236 1088 845 1128" type="text" value="enter the username to access Isilon"/> <p>Password</p> <input data-bbox="236 1182 845 1223" type="text" value="enter the password to access Isilon"/>	Enter the connection information for accessing the Isilon storage solution, including domain if necessary.
<p>Retention</p> <p><input checked="" data-bbox="252 1339 277 1375" type="radio"/> None</p> <p><input data-bbox="252 1384 277 1420" type="radio"/> Date Format</p> <input data-bbox="290 1424 577 1464" type="text"/> <p><input data-bbox="252 1473 277 1509" type="radio"/> Duration/Interval <input data-bbox="491 1469 603 1509" type="text"/> <input data-bbox="628 1469 778 1509" type="button" value="Day(s)"/></p>	<p>If supplied, the Isilon adapter will calculate and supply a retention policy, also known as SmartLock, when saving content. Possible settings are:</p> <p>None</p> <p>[DateFormat] example: <i>Retention=*08/31/2009;</i></p> <p>[Duration][Interval] example: <i>Retention=5D;</i></p> <p>[Interval] may be days (D), months (M) or years (Y).</p>

Setting	Value/Options
<p>Advanced Adapter Settings <i>(Hide)</i></p> <p>Buffer Size</p> <input data-bbox="236 376 544 423" type="text" value="8192"/>	<p>Click Show to see the buffer size field. The buffer size field limits the amount of resources used to externalize data to the Isilon endpoint.</p>
<p>Is WORM Device</p> <input data-bbox="300 636 392 674" 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="236 815 323 853" type="button" value="Yes"/> <p>Folder Scheme</p> <input data-bbox="236 904 560 943" 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="245 1413 536 1451" 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="236 1733 323 1771" type="button" value="No"/> <p><i>Content is compressed using the GZip/Deflate method.</i></p>	<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 Isilon

Adapter
 ?

Adapter Settings Show Connection String

Host

Share

Directory

Port

Use SSL

User

Password

Retention
 None
 Date Format

 Duration/Interval Day(s)

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 when editing using the Show Connection String option.

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.

Retention Promotion from IMP

If retention settings have been configured in the SharePoint site or library, those retention settings will stay with the BLOB when it goes to the endpoint. To enable this, there is a box on the endpoint screen, when adding the endpoint to the profile. If the profile already exists, with the endpoint added, the feature can still be enabled, but will only be applied to BLOBs created after the feature is enabled.

1. Open or create the profile.
2. Add the endpoint to the profile.
3. On the endpoint screen, at the bottom, will be an option to Enable Retention Promotion from IMP. Check this box.

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.

About Us

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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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Technical Support Resources

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- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product