

Metalogix® StoragePoint 5.9.2

## EMC Isilon Adapter Guide



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Metalogix® StoragePoint  
Updated August 2020  
Version 5.9

# Contents

<b>Isilon Adapter Configuration</b> .....	<b>4</b>
Isilon Adapter Connection String Parameters .....	6
Example Storage Endpoint Using Isilon .....	10
Retention Promotion from IMP .....	11
Appendix: Troubleshooting .....	11
Problem: Receiving errors on storage or retrieval of externalized content .....	11
<b>About Us</b> .....	<b>12</b>
Contacting Quest .....	12
Technical Support Resources .....	12

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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="204 568 544 674"> <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 1010 611 1133"> <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 1420 576 1514"> <p>EMCIsilon</p> </div>	<p>Select the adapter for the endpoint that is being created.</p>
<p>Host</p> <div data-bbox="204 1561 871 1655"> <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> <p>192.168.1.42</p>

Setting	Value/Options
<p>Share</p> <input data-bbox="236 338 844 376" type="text" value="enter Isilon share name"/>	<p>Enter the Isilon share that will be used to hold content specific to this endpoint.</p>
<p>Directory</p> <input data-bbox="236 501 852 539" type="text" value="enter Isilon share directory (optional)"/>	<p>If needed, specify the path within the Share listed above.</p>
<p>Port</p> <input data-bbox="236 658 552 696" type="text" value="enter the port number"/>	<p>Enter the port number of the Isilon access point.</p>
<p>Use SSL</p> <input data-bbox="245 824 333 862" type="button" value="No"/>	<p>Select whether or not SSL is required to access the Isilon storage.</p>
<p>User</p> <input data-bbox="236 974 844 1012" type="text" value="enter the username to access Isilon"/> <p>Password</p> <input data-bbox="236 1070 844 1108" type="text" value="enter the password to access Isilon"/>	<p>Enter the connection information for accessing the Isilon storage solution, including domain if necessary.</p>
<p>Retention</p> <p><input checked="" data-bbox="252 1220 276 1254" type="radio"/> None</p> <p><input data-bbox="252 1265 276 1299" type="radio"/> Date Format</p> <input data-bbox="288 1305 576 1344" type="text"/> <p><input data-bbox="252 1355 276 1388" type="radio"/> Duration/Interval <input data-bbox="491 1355 600 1393" type="text"/> <input data-bbox="628 1355 778 1393" 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> [Interval] may be days (D), months (M) or years (Y).</p>
<p><b>Advanced Adapter Settings</b> <i>(Hide)</i></p> <p>Buffer Size</p> <input data-bbox="236 1839 541 1877" 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>

Setting	Value/Options
	<p>If the endpoint is on a WORM (Write Once, Read Many) device, Unused BLOB Cleanup will ignore this endpoint.</p>
	<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>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><i>No</i>– Externalized content BLOBs are not compressed (default).</p> <p><i>Yes</i>– Externalized content BLOBs are compressed.</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>



Setting	Value/Options
<p>Encryption Key Passphrase</p> <div style="border: 1px solid #ccc; padding: 5px;"> <input style="width: 150px; height: 20px;" type="text"/> <span style="float: right; border: 1px solid #ccc; padding: 2px 10px; font-size: small;">Generate Key</span> </div> <p style="font-size: x-small; margin-top: 5px;"><i>Enter a passphrase to be used to generate a key or leave blank to generate a random key. The pass phrase entered is <b>not</b> 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"/> <input style="width: 40px; text-align: center;" type="text" value="10"/> or more successive errors are encountered</p> <p><input checked="" type="checkbox"/> there is less than <input style="width: 40px; text-align: center;" type="text" value="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"/> <input style="width: 40px; text-align: center;" type="text" value="25"/> or more successive errors are encountered</p> <p><input checked="" type="checkbox"/> there is less than <input style="width: 40px; text-align: center;" type="text" value="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>
<p>Send Offline Notifications to:</p> <p><input checked="" type="checkbox"/> Use Notification Defaults</p> <p>Additional Contacts</p> <div style="border: 1px solid #ccc; padding: 2px;"> <span style="font-size: x-small; color: red;">admin@company.com</span> </div> <p style="font-size: x-small; margin-top: 5px;"><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  
EMCIsilon

**Adapter Settings**  Show Connection String

Host  
255.255.25.25

Share  
j14

Directory  
enter Isilon share directory (optional)

Port  
8080

Use SSL  
Yes

User  
root

Password  
password

Retention  
 None  
 Date Format  
2/19/2015  
 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.

Adapter  
EMCIsilon

**Adapter Settings**  Show Connection String

Connection

```
HOST=255.255.25.25;SHARE=j14;DIRECTORY=;  
PORT=8080;USESSL=True;USERNAME=root;PAS  
SWORD=password;RETENTION=*12/31/9999;B  
UFFERSIZE=8192;
```

*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.

## 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.

<b>Retention Promotion from IMP</b> This Endpoint is capable promoting retention value from IMP. If you select this option retention will be set according to IMP. This value is applied only when BLOB is created.	<input type="checkbox"/> Enable Retention Promotion from IMP
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## 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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- Chat with support engineers online
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