

Metalogix® StoragePoint 6.0.

EMC Isilon Adapter Guide



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Legend



CAUTION: A caution icon indicates potential damage to hardware or loss of data if instructions are not followed.



IMPORTANT, NOTE, TIP, MOBILE OR VIDEO: An information icon indicates supporting information.

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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

enter IP address or host name for the cluster

Share

enter Isilon share name

Directory

enter Isilon share directory (optional)

User

enter the username to access Isilon

Password

enter the password to access Isilon

Retention

☒ None

☐ Date Format



☐ Duration/Interval

Day(s)



Use SSL

No



Port

enter the port number




Advanced Adapter Settings *(Hide)*



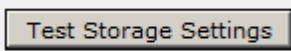
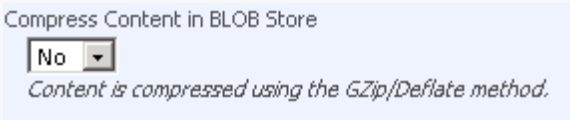
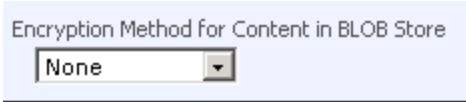
Buffer Size

8192

Isilon Adapter Connection String Parameters

Setting	Value/Options
Name	Enter the unique name of the Storage or Backup Endpoint.
<p>Type</p> <p>Type</p> <p><input checked="" type="radio"/> Primary <input type="radio"/> Backup</p> <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> <p>Status</p> <p>Online</p>	<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> <p>EMCIsilon</p>	Select the adapter for the endpoint that is being created.
<p>Host</p> <p>enter IP address or host name for the cluster</p>	<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 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 type="text" value="enter Isilon share directory (optional)"/>	If needed, specify the path within the Share listed above.
<p>User</p> <input type="text" value="enter the username to access Isilon"/> <p>Password</p> <input 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="" type="radio"/> None <input type="radio"/> Date Format <input type="text"/>  <input type="radio"/> Duration/Interval <input type="text"/> 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>Use SSL</p> <input type="text" value="No"/> 	Select whether or not SSL is required to access the Isilon storage.
<p>Port</p> <input type="text" value="enter the port number"/>	Enter the port number of the Isilon access point.
<p>Advanced Adapter Settings <i>(Hide)</i></p> <p>Buffer Size</p> <input type="text" value="8192"/>	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.

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 (default).</p> <p><i>Yes</i>– Externalized content BLOBs are placed in folders.</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> <input type="text"/> <input type="button" value="Generate Key"/> </div> <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"/> <input type="text" value="10"/> or more successive errors are encountered</p> <p><input checked="" type="checkbox"/> there is less than <input 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 type="text" value="25"/> or more successive errors are encountered</p> <p><input checked="" type="checkbox"/> there is less than <input 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> <input type="text" value="admin@company.com"/> </div> <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

EMCIsilon

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?

Adapter Settings

☐ Show Connection String

Host

255.255.25.25

Share

j14

Directory

enter Isilon share directory (optional)

User

root

Password

●●●●●●●●

Retention

☐ None

☒ Date Format

2/19/2025

📅

☐ Duration/Interval

Day(s)

▼

Use SSL

No

▼

Port

8080

Metalogix StoragePoint

Isilon Adapter Configuration

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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=False;USERNAME=root;PASSWORD=*****;RETENTION=*2/19/2025;BUFFERSIZE=8192;

Provide adapter-specific connection attributes. Please refer to the adapter documentation for connection string details.

i | **NOTE:** Adapter parameters are not case-sensitive.

i | **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.

i | **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.

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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