

Metalogix® StoragePoint 6.3

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

Share

Directory

User

Password

Retention

None

Date Format



Duration/Interval Day(s)

Use SSL

No

Port

Advanced Adapter Settings *(Hide)*

Buffer Size

Isilon Adapter Connection String Parameters

Setting Value/Options
<p>Name Enter the unique name of the Storage or Backup Endpoint.</p>
<p>Type</p> <p>Type</p> <p><input checked="" type="radio"/> Primary <input type="radio"/> Backup</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>See Backup Services Settings in the Reference Guide for more information on how Backup Endpoints are used.</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> <p>Select the adapter for the endpoint that is being created.</p>
<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>

Setting
Value/Options

192.168.1.42

Share

Enter the Isilon share that will be used to hold content specific to this endpoint.

Directory

If needed, specify the path within the Share listed above.

User

Password

Enter the connection information for accessing the Isilon storage solution, including domain if necessary.

Retention

None

Date Format



Duration/Interval

Day(s)

If supplied, the Isilon adapter will calculate and supply a retention policy, also known as SmartLock, when saving content. Possible settings are:

None

[DateFormat] example:

Retention=08/31/2009;

[Duration][Interval] example:

Retention=5D;

[Interval] may be days (D), months (M) or years (Y).

Use SSL

Select whether or not SSL is required to access the Isilon storage.

Setting Value/Options

Port

Enter the port number of the Isilon access point.

Advanced Adapter Settings *(Hide)*

Buffer Size

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.

Is WORM Device

If the endpoint is on a WORM (Write Once, Read Many) device, Unused BLOB Cleanup will ignore this endpoint.

Folder Content in BLOB Store

Folder Scheme

No– Externalized content BLOBs are not placed in folders (default).

Yes– Externalized content BLOBs are placed in folders.

If *Folder Content in BLOB Store* is *Yes* then you can select a date/time folder scheme from the dropdown.

YYYY/MM/DD/HH/MM is the default.

The Test Storage Settings button can be used at this point, or after completing the endpoint configuration, to verify that the endpoint is accessible.

Compress Content in BLOB Store

Content is compressed using the GZip/Deflate method.

No– Externalized content BLOBs are not compressed (default).

Setting
Value/Options

Yes– Externalized content BLOBs are compressed.

Encryption Method for Content in BLOB Store

None

None– Encryption will not be applied to externalized BLOBs (default).

AES (128 bit)– 128 bit AES encryption will be applied to externalized BLOBs.

AES (256 bit)– 256 bit AES encryption will be applied to externalized BLOBs.

Encryption Key Passphrase

Generate Key

*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.*

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 *Generate Key* button. The encryption key passphrase will be hidden.

Generate warning notification if:

- 10 or more successive errors are encountered
- there is less than 10 MB % of free space

A warning email can be sent if it encounters errors.

Automatically take endpoint offline if:

- 25 or more successive errors are encountered
- there is less than 1 MB % of free space

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.

Setting Value/Options

Send Offline Notifications to:

Use Notification Defaults


Additional Contacts

admin@company.com

Provide a semi-colon delimited list of e-mail addresses.

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.

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)

User
root

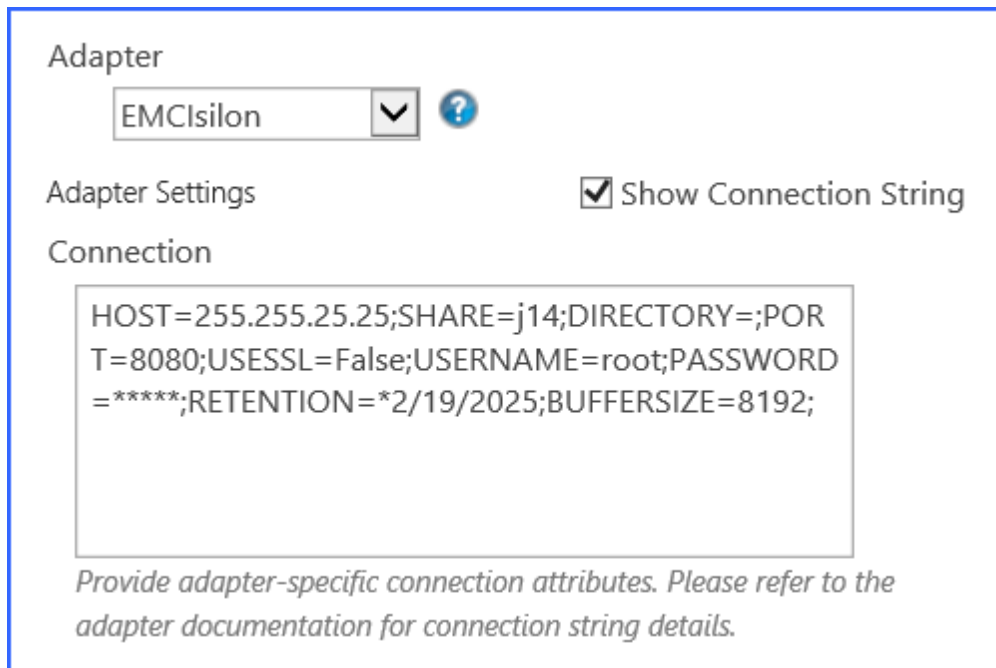
Password
●●●●●●●●

Retention
 None
 Date Format
2/19/2025 
 Duration/Interval Day(s)

Use SSL
No

Port
8080

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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