



StoragePoint 6.5

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.

Quest® StoragePoint

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Isilon Adapter Configuration

This section will provide you with 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.

i | **NOTE:** When working with large files using an EMC Isilon endpoint, it is strongly recommended to use a dedicated EMC Isilon endpoint.

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
[calendar icon]
 Duration/Interval [] Day(s) [v]

Use SSL
No [v]

Port
enter the port number

Advanced Adapter Settings (Hide)

Buffer Size
8192

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>

Setting
Value/Options

Or

192.168.1.42

Share

enter Isilon share name

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

Directory

enter Isilon share directory (optional)

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

User

enter the username to access Isilon

Password

enter the password to access Isilon

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

Retention

None

Date Format



Duration/Interval

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).

Setting Value/Options

Use SSL

No ▾

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

Port

enter the port number

Enter the port number of the Isilon access point.

Advanced Adapter Settings *(Hide)*

Buffer Size

8192

Click Show to see the buffer size field. The buffer size field limits the number of resources used to externalize data to the Isilon endpoint.

i **NOTE:** For normal BLOBs (64 KB to 1 MB), the recommended default buffer size is 8 KB (8192 bytes). For larger files, a buffer size of at least 4 MB (4194304 bytes) is recommended.

Please note that larger buffer sizes will use more resources.

Is WORM Device

No ▾

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

Folder Content in BLOB Store

Yes ▾

Folder Scheme

YYYY/MM/DD/HH/MM ▾

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*, you can select a date/time folder scheme from the dropdown.

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

Setting
Value/Options

Test Storage Settings

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

No ▾

Content is compressed using the GZip/Deflate method.

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

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 pass phrase 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:

or more successive errors are encountered

there is less than MB % of free space

A warning email can be sent if it encounters errors.

Setting
Value/Options

Automatically take endpoint offline if:

- or more successive errors are encountered
- there is less than 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.

Send Warning Notifications to:


- Use Notification Defaults

Additional Contacts

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

Share

Directory


User

Password

Retention

None

Date Format



Duration/Interval Day(s)

Use SSL

Port

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 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, those identities will also need access but cannot be tested from within Central Admin itself. See BLOB Store Security and StoragePoint Required Privileges in the 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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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:

- Submit and manage a Service Request
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- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product