Quest

Metalogix® StoragePoint 6.1

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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1

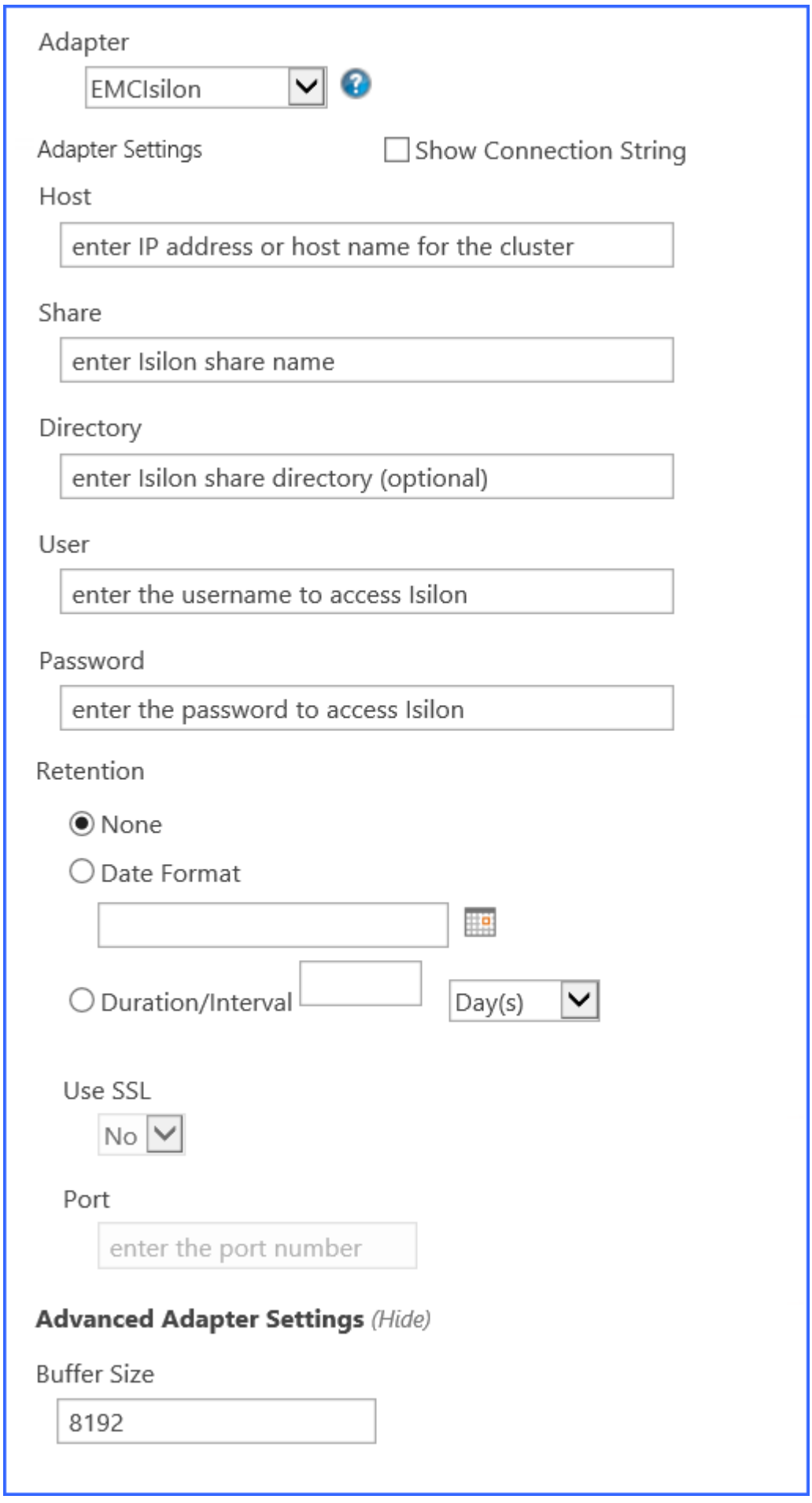
Isilon Adapter Configuration

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*.

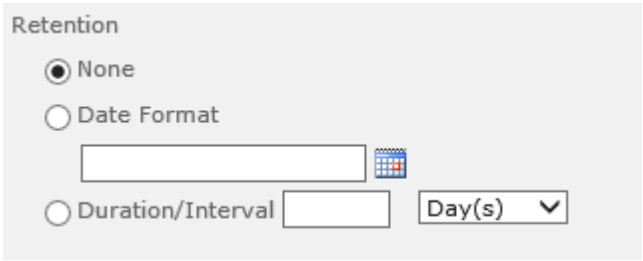
Click *Create New Endpoint* or click the name of an existing storage endpoint that you want to edit.

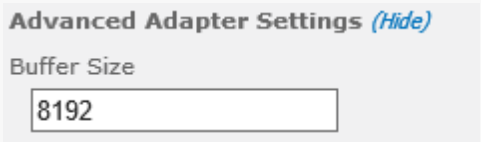
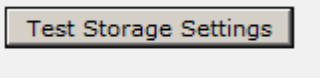
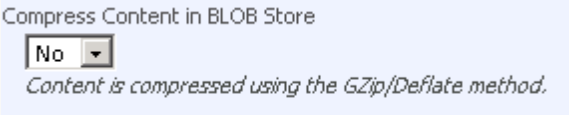
Click the *Show* link next to the Advanced Adapter Settings to see the additional fields.

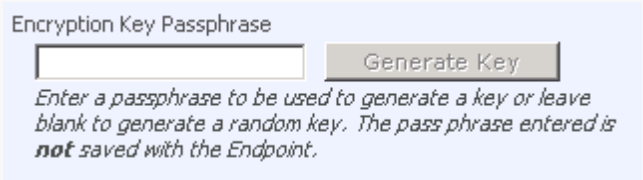
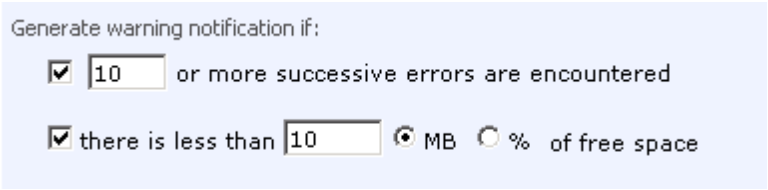
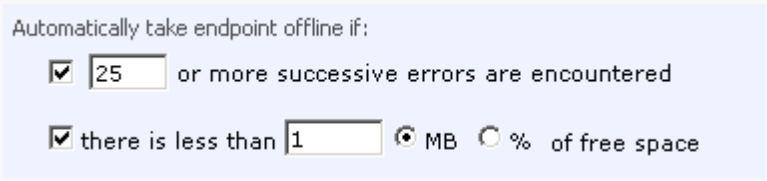

Adapter
EMCIsilon
Adapter Settings
Show Connection String
Host
enter IP address or host name for the cluster
Share
enter Isilon share name
Directory
enter Isilon share directory (optional)
User
enter the username to access Isilon
Password
enter the password to access Isilon
Retention
None
Date Format
Duration/Interval
Day(s)
Use SSL
No
Port
enter the port number
Advanced Adapter Settings (Hide)
Buffer Size
8192

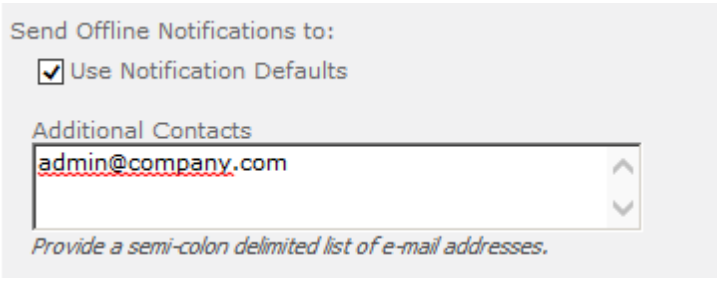
Isilon Adapter Connection String Parameters

Setting Value/Options
Name Enter the unique name of the Storage or Backup Endpoint.
Type   *Primary* – this endpoint will be available for externalization when creating storage profiles. *Backup* – this endpoint will be in the Backup Services dropdown on the profile page. The selection is locked down when saving. See Backup Services Settings in the Reference Guide for more information on how Backup Endpoints are used.
Status   *Online* – Storage Endpoint should be available to associate to a Storage Profile and accept BLOBs. (default) *Offline (Read Only)* – A storage endpoint can be configured, but not made available for externalizing content. The BLOBs already on the endpoint are still read only.
  Select the adapter for the endpoint that is being created.
  IP or DNS name chosen at the time the storage solution was provisioned which represents the Isilon access point. Single host examples: mycluster.company.com Or

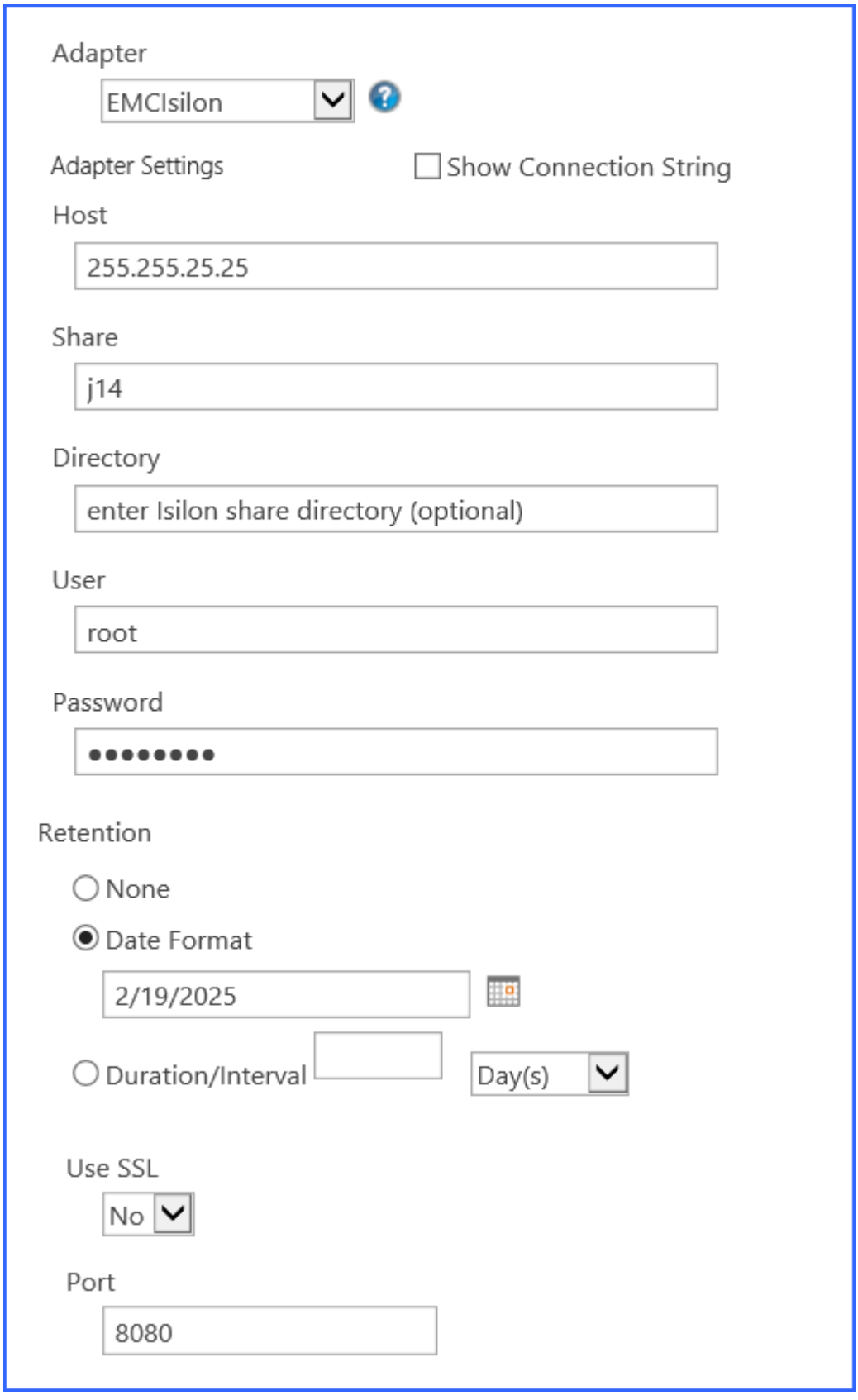
Setting Value/Options
192.168.1.42
 Enter the Isilon share that will be used to hold content specific to this endpoint.
 If needed, specify the path within the Share listed above.
 Enter the connection information for accessing the Isilon storage solution, including domain if necessary.
 If supplied, 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).
 Select whether or not SSL is required to access the Isilon storage.

Setting Value/Options
 Enter the port number of the Isilon access point.
 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.
 If the endpoint is on a WORM (Write Once, Read Many) device, Unused BLOB Cleanup will ignore this endpoint.
 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.
 *No* – Externalized content BLOBs are not compressed (default).

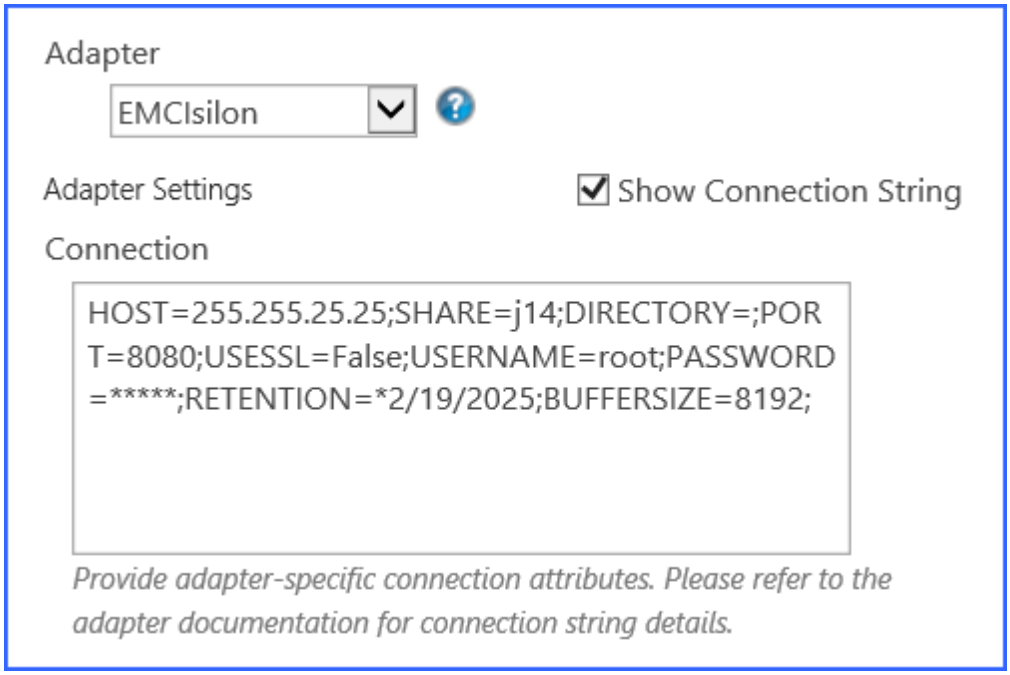
Setting Value/Options
Yes – Externalized content BLOBs are compressed.
 None – Encryption will not be applied to externalized BLOBs (default). *AES (128 bit)* – 128 bit AES encryption will be applied to externalized BLOBs. *AES (256 bit)* – 256 bit AES encryption will be applied to externalized BLOBs.
 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.
 A warning email can be sent if it encounters errors.
 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
 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



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.

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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About Us

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Around the globe, more than 130,000 companies and 95% of the Fortune 500 count on Quest to deliver proactive management and monitoring for the next enterprise initiative, find the next solution for complex Microsoft challenges and stay ahead of the next threat. Quest Software. Where next meets now. For more information, visit www.quest.com.

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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