

Metalogix® StoragePoint 5.9

DFS Configuration Guide



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Metalogix® StoragePoint

Updated August 2019

Version 5.9

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StoragePoint with Distributed File System

StoragePoint has been tested and verified with an endpoint configured on a distributed file system configuration.

StoragePoint supports DFS with or without replication, but the availability of all servers in the DFS farm may impact jobs; errors may be returned if blobs are located on a server that is not available. If errors or missing blobs are encountered, the blobs could still be present on an offline DFS server. Bringing the server back online and rerunning the job should resolve any issues.

Only domain-based namespaces are supported.

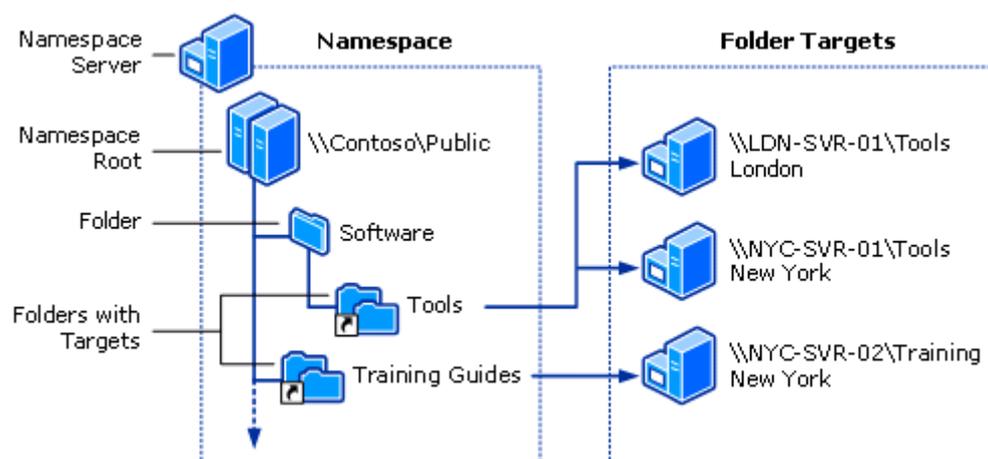
Replication by DFS is strongly recommended. If a blob is reported to be missing by one of the StoragePoint jobs, replication will prevent this from being an issue.

DFS Configuration Guide

Below are details on how the DFS was configured and some information on how it was tested for certification with StoragePoint.

DFS Namespaces

A DFS namespace is basically a place where you will have links to all your file shares. From an administrator point of view, you should think of it as a folder structure where you keep the list of target file shares. Your users will see it as a single share with many folders and they will have no idea that they are navigating across a set of servers to get to the subfolders and files.



Note to consider:

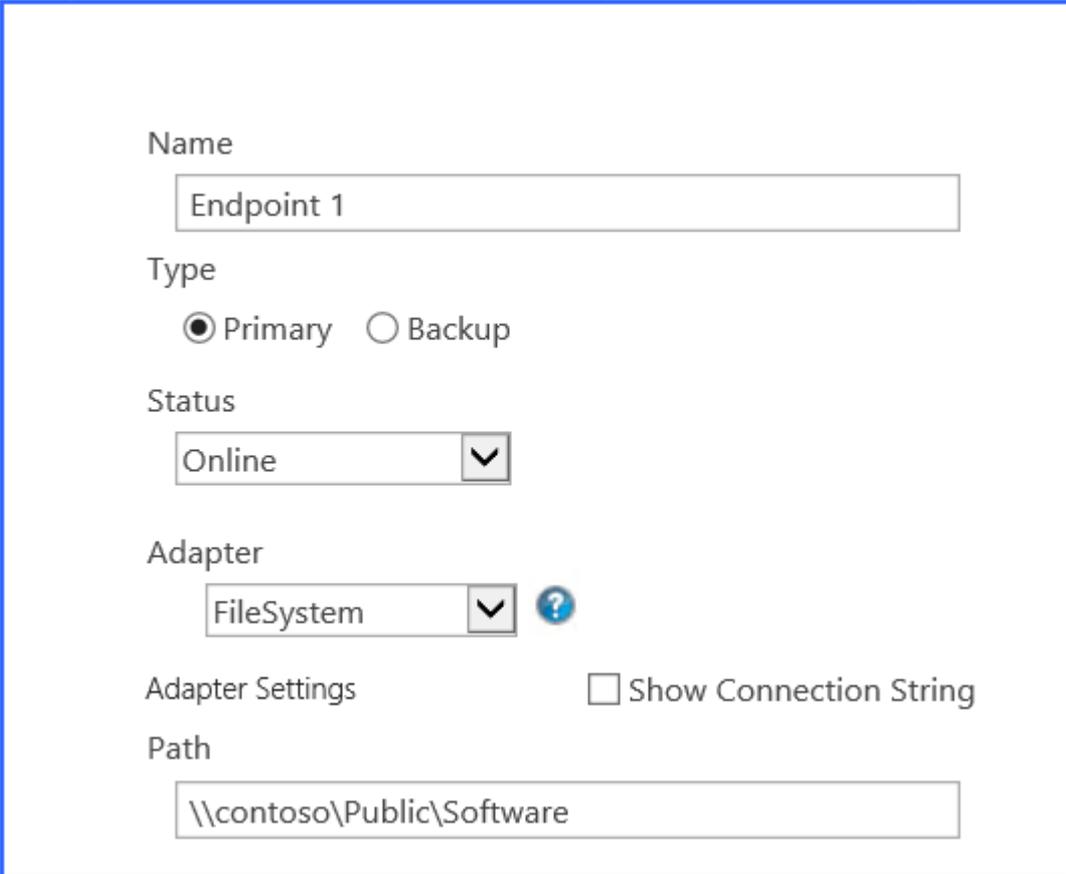
The main advantage of the domain-based namespaces is that your configuration will be stored in Active Directory and you won't have to rely on a single server to provide the namespace information to your clients. The path users refer to uses the name of the domain and it will not need to change because your namespace server name changed (only if you change your domain name). With a stand-alone DFS, that server name becomes part of the main path to the namespace.

DFS is created with strict permissions:

- 1) Full access for web application pool accounts
- 2) Full access for SP Timer service account
- 3) Read only access for currently logged-in user

StoragePoint Endpoint Configuration

StoragePoint will treat an endpoint that uses DFS just like a standard File System Endpoint.



The screenshot shows the 'StoragePoint Endpoint Configuration' dialog box. It contains the following fields and options:

- Name:** A text box containing 'Endpoint 1'.
- Type:** Radio buttons for 'Primary' (selected) and 'Backup'.
- Status:** A dropdown menu showing 'Online'.
- Adapter:** A dropdown menu showing 'FileSystem' with a help icon (question mark) to its right.
- Adapter Settings:** A checkbox labeled 'Show Connection String' which is currently unchecked.
- Path:** A text box containing '\\contoso\Public\Software'.

Testing activities:

- Endpoint Creation
- Externalization
- Recall
- Migration
- Backup Synchronization
- Unused BLOB Cleanup

Testing Conditions:

1. When DFS replication has been removed or only Name Space is used
2. When a server within the DFS configuration is unavailable

3. Switching on and off DFS servers (only one will be running at time) to validate if DFS server is suitable for *interrupted* processing of large amount of small chunks (e.g. on UBC job taking at least 15 minutes)

Results:

All testing in each scenario was successful except for content stored in Lists. Libraries were successful.

About Us

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

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- Submit and manage a Service Request
- View Knowledge Base articles

- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
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