How to Backup and Restore Microsoft DFS (Distributed File System) using Zmanda Windows Client (ZWC)

Introduction:

In the modern computing infrastructure, one of the most common concept is "Virtualization. Similarly, in terms of virtual memory in operating systems, virtual disks, virtual networks and virtual machines in the IT infrastructure. Organizations those have virtual files distributed across different locations can organize them together into a logical tree with the help of Microsoft Distributed File System (DFS).

Microsoft DFS is a mechanism which will allow you to create a logical view of your files, irrespective of where the files are physically stored on the network.

Zmanda is a comprehensive data backup solution. Zmanda Windows Client (ZWC) can be used to backup and restore Distributed File System (DFS).

Amanda Enterprise (AE) server connects DFS share via ZWC to perform backup and restore.

Prerequisites:

- Create *amandabackup* user in active directory and provide full access to DFS share.

- A server to install Zmanda Windows Client (ZWC). You can install ZWC on any server or windows machine joined to your domain.

Installation and Setup

1. Download, extract and run ZWC setup.

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www.zmanda.com
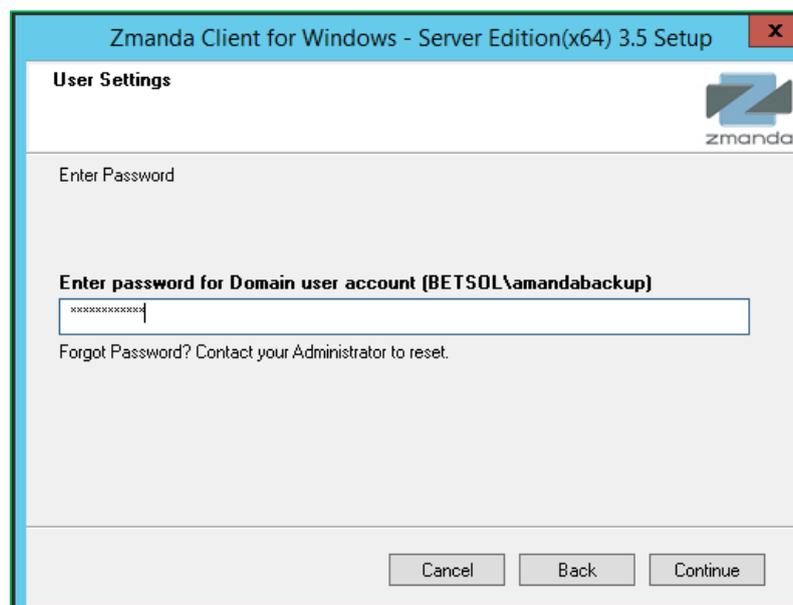
2. Enter password of *amandabackup* AD user which has full access to DFS share.

3. Enter Amanda Enterprise backup server **FQDN or IP Address** and complete the installation.

Zmanda Client for Windows - Server Edition(x64) 3.5 Setup

Amanda Server Information

Please enter the Amanda Server FQDN or IP Address that the client would communicate with.

Server Names in comma-separated form.

192.168.1.1

Cancel   Back   Continue
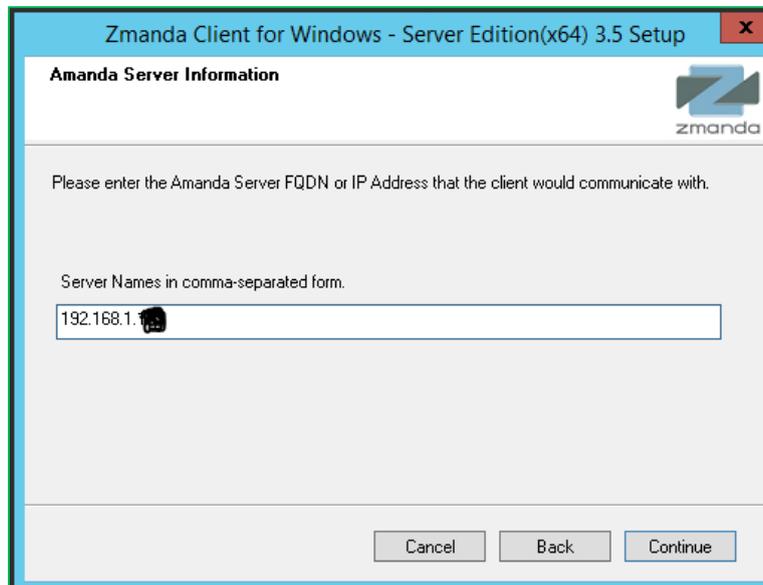
4. Go to ZMC (Zmanda management console) and create Object **Windows NTFS/ReFS** under **Backup-what** tab.

File Systems...   ▼

File Systems...
Linux
Mac
NDMP
NFS/iSCSI/Lustre
Network/CIFS Share
Solaris
Windows NTFS/ReFS
Windows System State
Windows Template
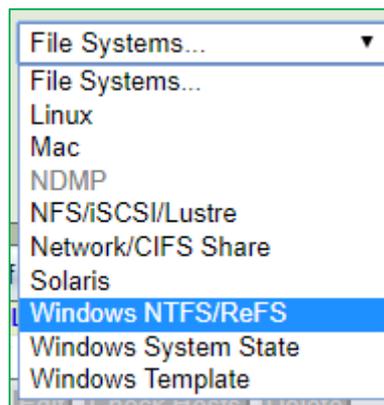
5. Enter **Host Name** or IP address of server where ZWC is installed and DFS share **Directory/Path** you want to backup. Make sure you exclude *DfsPrivate* in configuration

Create Object Windows (File Systems) in list: DFS-Share-Local

Host Name*:   192.168.1.100

Directory/Path*:   \\zmanda.com\teamdata\mydata

Exclude Folders   DfsrPrivate
and Files:

▷ Advanced Options for This Object Only ❓

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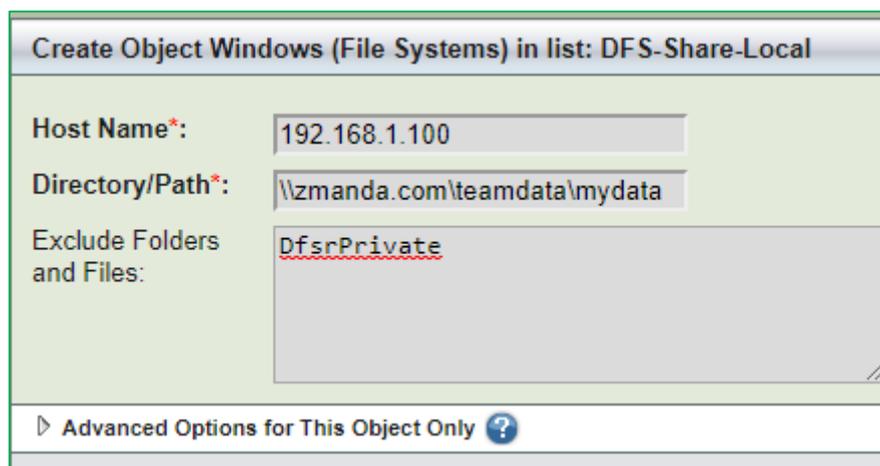
Note: *DfsrPrivate folder is a staging folder to act as caches for new and changed files to be replicated from sending members to receiving members.*

6. Click on **Add**.

Microsoft DFS can be a great addition to your organization as it makes the navigation across different share folders easy, facilitates administration, keeps the permissions intact, no need of special learning to access file resources, changes in one file will be replicated to all the members etc.
Amanda seamlessly integrates with DFS to performing uncluttered backup and restore.

Please follow the above steps to backup and restore Microsoft DFS using Zmanda Windows Client (ZWC). In case you get stuck while backing up and restoring the DFS, kindly contact us and our team will get back to you soon.

You can reach us @ Zsupport@betsol.com.

Or call us @ 888-496-2632 (U.S.)/ 408-732-3208 (INTL).