

Sicherungen eines Windows 2003 R2 Clients mit DFS Shares werden mit Fehlern abgebrochen

Der folgende Fehler kann in folgender Konstellation auftreten:

NetWorker Client 7.3.x und früher mit Windows 2003 R2



Dies Problem bezieht sich ausschließlich auf Windows 2003 R2 Rechner, deren DFS Shares mit Hilfe des DFS Management repliziert werden.

Problembeschreibung

Werden solche DFS Shares mit Hilfe von VSS und dem entsprechenden NetWorker Client gesichert, erhalten Sie diese Fehlermeldung:

Warning: "save: VSS USER DATA: VSS Writer: DFS Replication service writer is not supported, ignoring it."

- Diese Warnung erscheint auch im Abschlußreport der Gruppe.
- Trotzdem wird der Zustand der Gruppe als *erfolgreich* markiert.

Problembeschreibung

- Installieren Sie die NetWorker 7.4 Client Software auf diesem Rechner.
- Mit dem NetWorker 7.4 wird die Sicherung des DFS Share mit dem DFS Replication Service Writer durchgeführt und unter dem 'Pfad' VSS USER DATA eingetragen, nicht wie Sie vielleicht erwarten könnten, als eigenständige DFS Share.

Anmerkung:



Unter Windows 2003 wird die Sicherung von replizierten DFS Shares unter 'VSS SYSTEM BOOT:' eingetragen.

Problem Cause

With VSS, DFS shares that have replication enabled, are backed up using the DFS replication service writer (on Windows 2003 R2). **DFS Replication service writer is not supported with NetWorker 7.3.x or lower client.**

With a NetWorker 7.4 and higher client, when backing up DFS shares with VSS enabled, if replication is enabled for these shares (Using DFS management), the backup of DFS shares are done as part of the "VSS USER DATA:\\" saveset using the DFS replication service writer and not as a part of a filesystem backup.

Since the DFS shares are backed up as part of the "VSS USER DATA:\\" saveset individual files or directories within the shares cannot be recovered using the NetWorker user GUI. The entire "VSS USER DATA:\\" saveset has to be recovered.

Note that when you try to browse for the DFS shares during a filesystem recover, you will find that no files/directories are seen under the DFS shares. Do not be alarmed this data is present in the "VSS USER DATA:\\" saveset.

Problem Resolution

NetWorker 7.3.x or lower does not support the DFS Replication service writer that's used to backup the DFS shares with VSS on Windows 2003 R2. Upgrade to NetWorker 7.4, which supports the DFS replication service writer and will backup the DFS shares as part of the "VSS USER DATA:\\" saveset.

Additional information:

Note the information below is to address the issue of selective restores of individual files/directories for DFS shares that are replicated:

If you need to selective restore individual files and directories from a DFS share, backup the DFS share with VSS turned off using the workaround below. With VSS turned off, the DFS shares are backed up as regular files as part of the file system backup.

Workaround

This workaround is valid for 7.3.x and 7.4 clients on Windows 2003 and Windows 2003 R2
E.g.: Assume the DFS shares are located at `D:\myshares`

1. Create a new group on the server through NMC (NetWorker management console).
E.g. group name is 'DFS'
2. Create an additional client resource for the client where the DFS shares reside.
3. In the *save set* field of this client specify: `D:\myshares`
4. Make this client a member of the new group (DFS).
5. In the tab *Apps & Modules*, in the attribute *save operations* list, enter the string `vss:*=off`
6. Schedule to run this group at a different time than the backup of the other instance of this client.
7. Once the backup is complete, ensure that the backup is successful.
8. From the DFS host client, start the NetWorker user GUI and browse for the `D:\myshares` drive and you should see the files/directories.