ONTAP_snapshot_restore

In this lab you will create a snapshot in an NFS exported volume
> You will restore a single file from the linux client
> You will restore a single file from the clustershell
> You will restore an entire volume from the clustershell

Prerequisites: You have an NFS enabled SVM
> A linux client has mounted a volume from the SVM
> Supporting document: **ONTAP_NFS_svm_commands**

In this example:
The SVM is: nfssvm
The volume name is: nfsvol1
The linux mountpoint is: /mnt/nfsvol1
The SVM lif has ip: 192.168.4.220

1. On the linux client, check that the volume is mounted
2. On the linux client, create a file with content in the volume
3. On cluster1, create snapshot of the volume called snap1
4. On the linux client, change the content of the file
5. On the linux client, restore the file from the .snapshot directory
6. On cluster1, use the snapshot restore-file command to restore the file
7. On cluster1, use the snapshot restore command to restore the volume

(see next page for the commands)

Commands

1. Check access from the linux client
Linux:
df -h | grep -i nfsvol1
192.168.4.220:/nfsvol1   95M   256K   95M   1% /mnt/nfsvol1

2. Create a file in the volume with some content.
linux:
echo "content1" > /mnt/nfsvol1/file1

3. Create a snapshot in the volume
cluster1::>
snap create -vserver nfssvm -volume nfsvol1 -snapshot snap1

snapshot show -vserver nfssvm -volume nfsvol1
Vserver Volume   Snapshot   Size Total% Used%
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nfssvm   nfsvol1 snap1   124KB   0%   46%

5. On the linux client, restore the file from the .snapshot directory
Linux:
cd /mnt/nfsvol1/.snapshot
cat snap1/file1
content1

cp snap1/file1 ../
cp: overwrite '../file1'? **y**
cd ..
cat file1

6. Use the snap restore-file command to restore the file
cluster1::>
snap restore-file -vserver nfssvm -volume nfsvol1 -snapshot snap1 -path /file1

7. Use the snap restore command to restore the volume
cluster1::>
snap restore -vserver nfssvm -volume nfsvol1 -snapshot snap1
(you will get warnings if there are newer snapshots…
Remember: all younger snapshots will be lost!)