

## **smtape**

In this demo you create a single svm that runs a snapmirror between a source and destination volume.

To get the source data to the destination volume, you use smtape.

1. Create an SVM with two volumes: a source and destination volume  
The source volume is a **RW** volume and the destination volume is a **DP** volume.

```
vserver create demosvm  
vol create -vserver demosvm -volume src -size 100M -aggregate n1_aggr1  
vol create -vserver demosvm -volume dst -size 100M -aggregate n1_aggr1 -type dp
```

2. Create a snapmirror relationship between **src** and **dst**

```
snapmirror create -source-path demosvm:src -destination-path demosvm:dst
```

3. Mount the source volume and store some file in it.  
This can be done via the systemshell or via an NFS mount for example.

```
vol mount -vserver demosvm -volume src -junction-path /src  
set d  
systemshell -node cl2-01  
sudo bash  
cd /clus/demosvm/src  
touch f1  
exit  
exit
```

4. Create a snapshot on the source volume.

```
snapshot create -vserver demosvm -volume src -snapshot snap1
```

5. Create a backup to tape using the snapshot

```
system smtape backup -vserver demosvm -volume src -backup-snapshot snap1 -tape /cl2-01/rst1l  
Session 17 created successfully
```

```
system smtape status show -session 17
```

```
Session Identifier: 17  
Node Name: cl2-01  
Operation Type: backup  
Session Status: COMPLETED  
Path Name: /demosvm/src  
Device Name: /cl2-01/rst1l
```

6. Restore the snapshot to the destination volume. You have to set the volume to restricted.

```
volume modify -vserver demosvm -volume dst -state restricted  
system smtape restore -vserver demosvm -volume dst -tape /cl2-01/rst11  
Session 18 created successfully
```

```
system smtape status show -session 18
```

```
Session Identifier: 18
```

```
Node Name: cl2-01
```

```
Operation Type: restore
```

```
Session Status: COMPLETED
```

7. Online the volume and mount it.

```
volume online -vserver demosvm -volume dst  
volume mount -vserver demosvm -volume dst -junction-path /dst
```

8. Check its content

```
set d
```

```
systemshell -node cl2-01
```

```
sudo bash
```

```
cd /clus/demosvm/dst
```

```
ls
```

```
.snapshot      f1
```