# SVMDR

Requirements:

- Two clusters are peered (**ONTAP_Cluster_Peering**)

In this lab you will do the following:

1. Create a cron schedule of 1 minute on cluster2
2. Create an SVM on cluster1
3. Create an SVM of the type dp-destination on cluster2
4. Create a peering relationship on cluster2 from the destination svm to the source svm
5. Accept the peering on cluster1
6. Create a snapmirror relationhip on cluster2
7. Initialize the relationship on cluster2
8. Create a volume on the source svm on cluster1
9. Wait a minute (the baseline transfer takes a while...)
10. list all volumes of the destination svm
11. unprotect the volume
12. create a second volume in the source svm
13. Wait a minute and check the presence of both volumes on the destination svm
14. Delete both volumes from the source svm
15. Wait a minute and check the presence of the two volumes on the destination svm

(see next page)
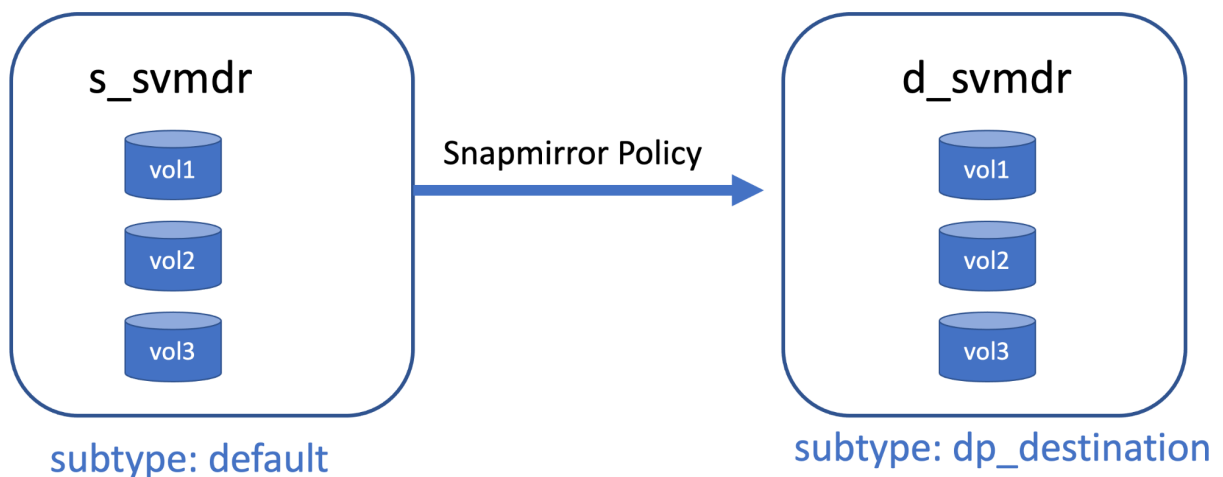
Commands

\# 1. Create a job schedule of 1 minute on cluster2
cluster2::>
job schedule cron create -name 1min -minute all -hour all -month all -day all -dayofweek all

\# 2. Create a regular storage virtual machine on cluster1
cluster1::>
vserver create -vserver s_svmdr -subtype default

\# 3. Create a storage virtual machine on cluster2 with subtype "dp-destination"
cluster2::>
vserver create -vserver d_svmdr -subtype dp-destination

\# 4. Create a peering relationship on cluster2 from the destination svm to the source svm
cluster2::>
vserver peer create -vserver d_svmdr -peer-vserver s_svmdr -peer-cluster cluster1 -applications snapmirror

\# 5. Accept the peering on cluster1.
cluster1::>
vserver peer accept -vserver s_svmdr -peer-vserver d_svmdr

\# 6. Create a snapmirror relationhip on cluster2.
cluster2::>
snapmirror create -source-path s_svmdr: -destination-path d_svmdr: -schedule 1min -policy MirrorAndVault

\# 7. Initialize the relationship on cluster2
cluster2::>
snapmirror initialize -destination-path d_svmdr:

\# 8. Create a volume on the source svm on cluster1
cluster1::>
vol create -vserver s_svmdr -volume dr_srcvol1 -aggregate n1_data -size 100M -state online -junction-path /dr_srcvol1

\# 9. Wait a minute (the baseline transfer takes a while...)
…

\# 10. list all volumes of the destination svm
cluster2::>
vol show -vserver d_svmdr

11. unprotect the volume
cluster1::>
volume modify -vserver s_svmdr -volume dr_srcvol1 -vserver-dr-protection unprotected

12. create a second volume in the source svm.
cluster1::>
vol create -vserver s_svmdr -volume dr_srcvol2 -aggregate n1_data -size 100M -state online

13. Wait a minute and check the presence of both volumes on the destination svm.
cluster2::>
vol show -vserver d_svmdr

14. Delete both volumes from the source svm
cluster1::>
vol offline -vserver s_svmdr -volume dr_srcvol1
vol offline -vserver s_svmdr -volume dr_srcvol2
vol delete -vserver s_svmdr -volume dr_srcvol1
vol delete -vserver s_svmdr -volume dr_srcvol2

15. Wait a minute and check the presence of the two volumes on the destination svm
cluster2::>
vol show -vserver d_svmdr