



Setting up an SFRAC I/O fencing environment on a storage system

Snapdrive for Unix

Ivana Devine, Aksel Davis
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SnapDrive for UNIX provides storage provisioning and Snapshot management options to manage host cluster-wide shared and node-local disk groups, and file systems in an SFRAC environment.

Steps

1. Set up `rsh` or `ssh` manually to use the `access-without-password-prompt` for the root user on all host cluster nodes.

For setup instructions, see the *Veritas Cluster Server Installation Guide for Solaris*.

2. Install SnapDrive for UNIX on all the nodes in the host cluster.

If different versions of SnapDrive for UNIX are installed on different nodes, SnapDrive for UNIX operations fail.

3. Check the FC connectivity among the storage systems.

To learn about hardware requirements for hosts, see the *SFRAC Release Notes*.



The `/opt/NTAPsnapdrive/snapdrive.conf` file on all the nodes must have the `default-transport` configuration variable set to FCP.

4. Set a value for the `secure-communication-among-cluster-nodes` configuration variable, to ensure that the `rsh` or `ssh` access-without-password-prompt for the root user is configured for all nodes in the cluster.

This value is necessary because, if you initiate the SnapDrive for UNIX commands from any node (master or nonmaster) in the host cluster, SnapDrive for UNIX carries out operations on other nodes in the host cluster.

5. Check for device discovery on the host cluster nodes by executing the following command on each node in the host cluster:

```
snapdrive storage create -lun long_lun_name [lun_name...] -lunsize size [{  
-reserve | -noreserve}] [-igroup ig_name [ig_name ...]]
```

```
# snapdrive storage create -lun f270-197-109:/vol/vol2/luntest  
-lunsize 20m
```

```
LUN f270-197-109:/vol/vol2/luntest ... created
```

```
mapping new lun(s) ... done
```

```
discovering new lun(s) ... done
```

```
LUN to device file mappings:
```

```
-f270-197-109:/vol/vol2/luntest => /dev/vx/dmp/c5t0d6s2
```

```
# snapdrive storage delete -lun f270-197-109:/vol/vol2/luntest  
-lunsize 20m
```

```
- LUN f270-197-109:/vol/vol2/luntest ... deleted
```

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