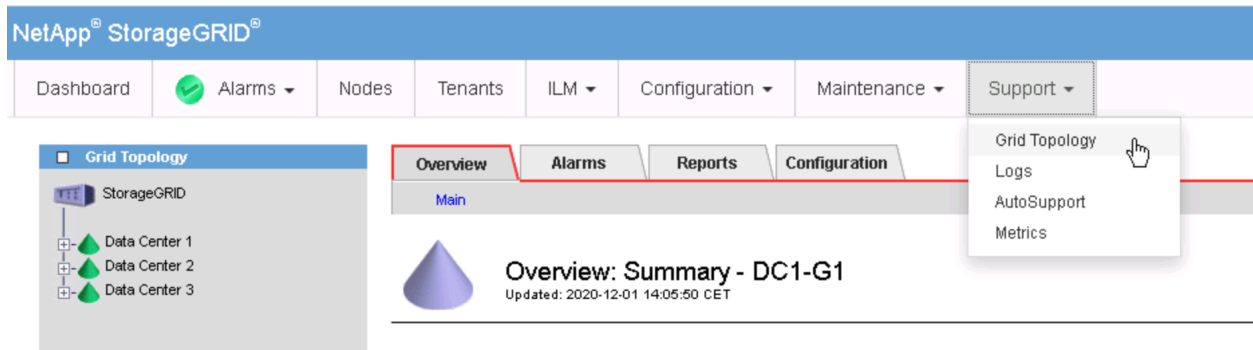


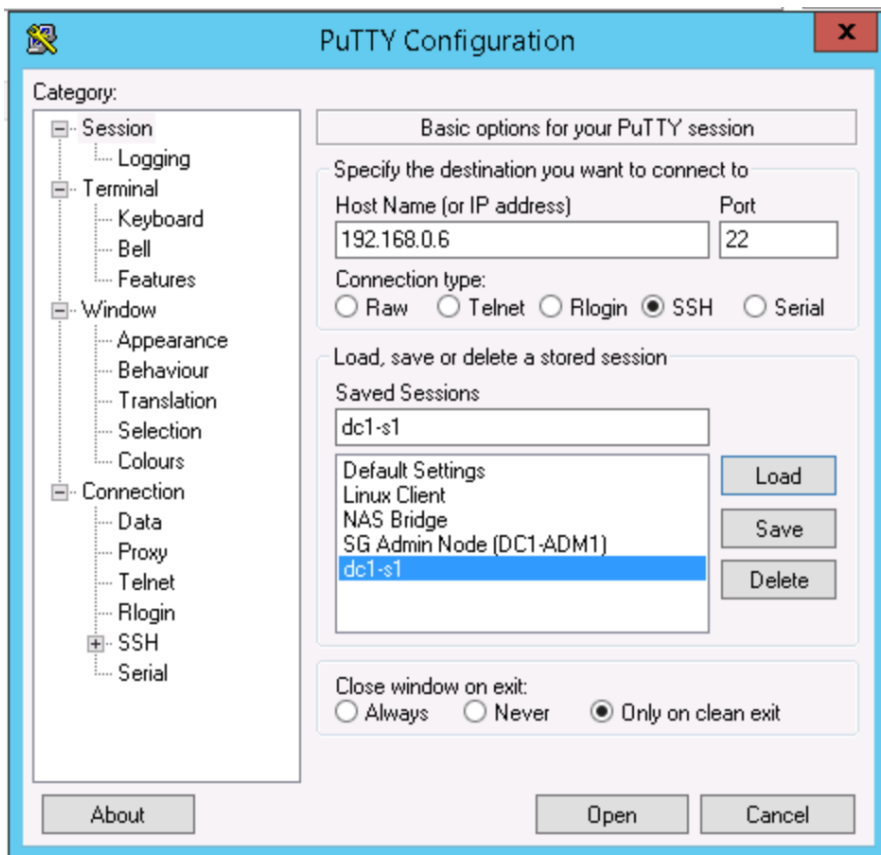
## SGWSADM additional exercise storage

In this exercise you will cause a problem on one of the storage nodes.

1. In the admin-grid console to support -> grid topology and see that all datacenters are green.



2. On your desktop start putty and connect to dc1-s1 (192.168.0.6)



3. Login as "admin" with password "bycast". And when you are logged in, run "sudo bash" to become root. Password is "bycast" again.

```
login as: admin
admin@192.168.0.6's password:
Linux DC1-S1 4.9.0-11-amd64 #1 SMP Debian 4.9.189-3+ntap17 (2019-09-10) x86_64
-----
This private computer system is for authorized use only and contains software
that is provided under license. Please consult the End User License Agreement
for terms and conditions.
-----
Last login: Tue Dec  1 12:20:11 2020 from 192.168.0.253
admin@DC1-S1:~ $ sudo bash
[sudo] password for admin:
root@DC1-S1:/home/admin # █
```

4. List all mounted storage volumes on the storage node, using “df -h | grep rangedb”.

```
root@DC1-S1:/home/admin # df -h | grep rangedb
/dev/sdc          100G  142M  100G   1% /var/local/rangedb/0
/dev/sdd          100G  135M  100G   1% /var/local/rangedb/1
/dev/sde          100G  141M  100G   1% /var/local/rangedb/2
root@DC1-S1:/home/admin # █
```

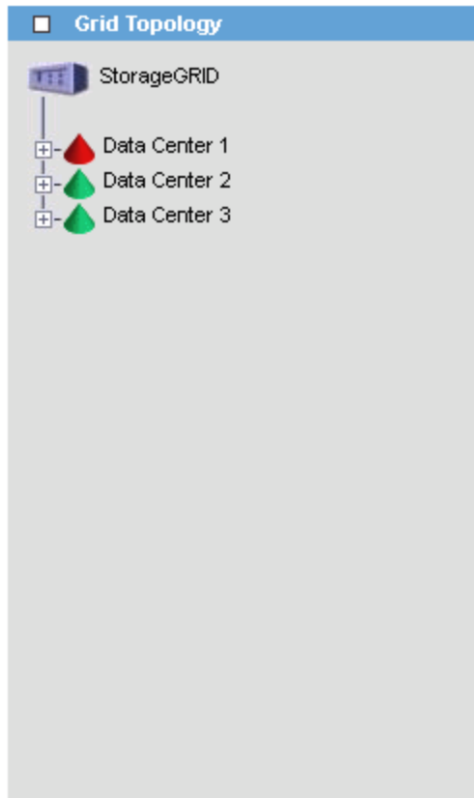
5. Unmount the third volume (/dev/sde).

```
root@DC1-S1:/home/admin # umount -f /dev/sde
root@DC1-S1:/home/admin # █
```

6. Check it.

```
root@DC1-S1:/home/admin # df -h | grep rangedb
/dev/sdc          100G  142M  100G   1% /var/local/rangedb/0
/dev/sdd          100G  135M  100G   1% /var/local/rangedb/1
root@DC1-S1:/home/admin # █
```

7. Wait for a while and then check your grid topology again. Data Center 1 should be red.



Overview | **Alarms** | Reports | Configuration

Main | History

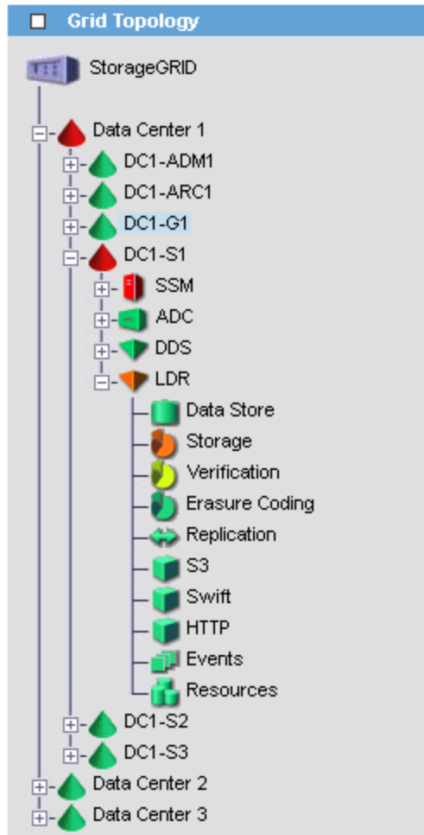


### Alarms: SSM (DC1-S1) - Resource

Updated: 2020-12-01 14:24:43 CET

Severity	Attribute	Description	Alarm 1
Normal	TMEM (Installed Memory)		
Normal	UMEM (Available Memory)		
Normal	SLSA (CPU Load Average)		
Normal	PMEM (Service Memory Usage (Percent))		
Normal	FOPN (Open File Descriptors)		
Normal	VMST (Status)		
Critical	VMFR (Volumes: Space Available - /var/local/rangedb/2)	Under 100 MB	2020-1 14:10:4
Critical	VMFI (Volumes: Entries Available - /var/local/rangedb/2)	Under 10,000	2020-1 14:10:4

8. When you drill down into data center 1, you will see what the problem.



9. Back on dc1-s1, mount the volume again.

```
root@DC1-S1:/home/admin # mount /dev/sde /var/local/rangedb/2
```

10. Check it.

```
root@DC1-S1:/home/admin # df -h | grep rangedb
/dev/sdc          100G  142M  100G   1% /var/local/rangedb/0
/dev/sdd          100G  135M  100G   1% /var/local/rangedb/1
/dev/sde          100G  141M  100G   1% /var/local/rangedb/2
```

11. Run the following command to restart the LDR service: **service ldr restart**

The situation should be repaired now.