



**Exam Code:** NS0-141

**Exam Name:** Network Appliance High Availability Exam  
7G

**Vendor:** Network Appliance

**Version:** DEMO

## Part: A

1: Which of the following hardware components is NOT required for Fabric Attached MetroCluster?

- A.VI-MC cluster adapter
- B.FC-HBA
- C.LC/LC node-to-node switch cables
- D.Network interface card

**Correct Answers: C**

2: A mirrored volume has a failed disk, but there are no available spares in the pool from which the degraded plex was built. Data ONTAP will:

- A.Choose spare disks to reconstruct from the opposite pool
- B.Warn you that there are no available spares from the proper pool
- C."Halt" after 24 hours if spare disks are not added to the proper pool
- D.Stop all applications that are running

**Correct Answers: B**

3: A mirrored volume, volX, is composed of twelve 36-Gigabyte disks: six in volX/plex0, six in volX/plex1. A drive fails in plex1, but pool 1 contains only 72-Gigabyte spare disks. Data ONTAP will do which of the following?

- A.Choose a 72-Gigabyte disk and downsize it
- B.Halt after 24 hours of running in degraded mode
- C.Alert you that there are no 36-Gigabyte disks and wait for one to be inserted
- D.Stop any applications that are running

**Correct Answers: A**

4: Please click the exhibit button.

In this example, volX contains three 36-Gigabyte disk drives. To create a mirror for volX, you issue the command to create the mirror: vol mirror volX.

You immediately realize that the disks used to create the mirror are 72 Gigabytes in size. You want to take the plex offline and destroy it. You enter the vol status -r command and it displays the output shown in the exhibit.

To successfully take volX/plex1 offline and destroy it, which of the following must be done?

```
filer1> vol status -r volX
Volume volX (online, resyncing) (block checksums)
Plex /volX/plex0 (online, normal, active)
RAID group /volX/plex0/rg0 (normal)

RAID Disk Device HA SHELF BAY CHAN Used (MB/blks) Phys (MB/blks)
-----
parity 2a.16 2a 1 0 FC:A 34000/69632000 34768/71205200
data 2a.18 2a 1 2 FC:A 34000/69632000 34768/71205200

Plex /volX/plex1 (online, normal, resyncing 29% completed)
RAID group /volX/plex1/rg0 (level-0 resync in progress)

RAID Disk Device HA SHELF BAY CHAN Used (MB/blks) Phys (MB/blks)
-----
parity 8a.17 8a 1 1 FC:A 34000/69632000 34768/71205200
data 8a.16 8a 1 0 FC:A 34000/69632000 34190/70022840
```

- A.Reboot the storage appliance.
- B.Wait for the "resyncing"operation to complete.
- C.Take volX/plex1 offline and split it off.
- D.Rename volX/plex1.

**Correct Answers: B**

5: Select the parameter for which the Cluster Configuration Checker does NOT test.

- A.Mismatched option settings
- B.Network interface configuration errors
- C.Different versions of Data ONTAP on the local and partner nodes
- D.Open firmware versions

**Correct Answers: D**

6: You are troubleshooting a clustered failover problem at a customer site. The customer explains that both storage appliances were NFS mounted onto the Solaris host. You attempt to create a file on the NFS mount point for the inaccessible appliance, but you get the following error:

NFS server filer2 not responding still trying.

Symptoms:

- 1) When not in takeover mode, both storage appliances operate normally.
- 2) In takeover mode, the taken over node is not accessible on the network.

You perform a "cf giveback" and you can now create a file over NFS on both appliances. What should you do first to resolve this issue?

- A.Replace the cluster interconnect card and run diagnostics "all"to ensure proper system operation.
- B.Replace the NIC adapter.
- C.Use the cluster-config-checker.cgi to identify the problem and corrective action.
- D.Submit a new bug report.

**Correct Answers: C**

7: Which of the following commands would you issue to perform a "clean" shutdown of a

clustered system without allowing takeover to occur?

- A.halt
- B.halt -f
- C.halt -d
- D.sys-shutdown

**Correct Answers: B**

8: A storage appliance in a clustered configuration can't access its partner's mailbox disks. When you enter the cf status command, you see the following:

```
filer2> cf status
```

```
filer1 is up, takeover disabled because of reason (partner mailbox disks not accessible or invalid)
```

What should you check first to resolve this issue?

- A.Check volumes of all disks
- B.Check NIC adapter
- C.Check that initiator is set to "target" mode
- D.Check for disk viability or FC-AL problems

**Correct Answers: D**

9: If an error message indicates that the cluster interconnect adapter itself is faulty, what is your corrective action?

- A.Check the cabling of the Channel A disk shelf loop and reseal and tighten any loose cables.
- B.Check the cabling of the Channel B disk shelf loop and reseal and tighten any loose cables.
- C.Re-cable the cluster interconnect adapter or replace the adapter if needed.
- D.Check for network activity.

**Correct Answers: C**

10: To perform a motherboard replacement on a cluster node without initiating a takeover, Network Appliance recommends using the halt command to perform the replacement.

- A.True
- B.False

**Correct Answers: B**