



# NS0-520<sup>Q&As</sup>

NetApp Certified Implementation Engineer - SAN ONTAP

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### QUESTION 1

You have a 4-node cluster with a FAS8200 HA pair and an AFF A300 HA pair. You need to migrate a LUN from a FAS8200 node to an AFF A300 node for faster performance.

Which method will non-disruptively migrate the LUN to the AFF A300 while retaining snapshots of the LUN on the FAS8200?

- A. You move the LUN.
- B. You relocate the aggregate.
- C. You move the volume.
- D. You copy the LUN.

Correct Answer: D

### QUESTION 2

A storage administrator created a LUN using two ports on a storage system. Later, additional LUNs were added to the same node as the original LUN. After a while, the performance of the original LUN dropped beyond an acceptable level.

What would you advise to remedy the Issue?

- A. Add an additional switch between the hosts and cluster.
- B. Add new LIFs on unused ports.
- C. Add new LIFs on the used ports.
- D. Reduce the queue depth on the used ports.

Correct Answer: B

### QUESTION 3

Exhibit.

```
c11::> lun mapping show
vservers          path                igroup lun-id reporting-nodes
-----
SVM1              /vol/host1/lun0    linux1 0      c11-01, c11-02
SVM1              /vol/host2/lun0    linux2 0      c11-01, c11-02

c11::> lun show
vservers  Path                State  Mapped  Type  Size
-----
SVM1     /vol/host1/lun0    online mapped  linux 10GB
SVM1     /vol/host2/lun0    online mapped  linux 20MB
```



During a data mobility test on a 4-node ONTAP 9.3 cluster, the host loses direct access to its LUNs. The LUNs are hosting on node cl1-01 and are being moved to cl1-03 on a different HA pair. Referring to the exhibit, which corrective step is needed to ensure access while the volume is moved?

- A. Add reporting nodes for cl1-03 and cl1-04.
- B. Create additional LIFs on cl1-01 and cl1-02.
- C. Create a new destination volume on cl1-03.
- D. Create new igroups on cl1-03 and cl1-04.

Correct Answer: A

#### QUESTION 4

Exhibit.

```
root@ontap:~# lun show -vserver svml
-----
Vserver Path State Mapped Type Size
-----
svml /vol/luns/lun online mapped linux 10GB

root@ontap:~# igroup show -vserver svml
-----
Vserver Igroup Protocol OS Type Initiators
-----
svml linuxhost mixed linux iqn.1999-01.com.localhost:71f9e0a481d3

root@ontap:~# lun mapping show -vserver svml -path /vol/luns/lun
-----
Vserver Path Igroup LUN ID Protocol
-----
svml /vol/luns/lun linuxhost 10 mixed

root@ontap:~# vserver iscsi initiator show -vserver svml
-----
Vserver Name Tpgroup Initiator ISID Igroup Name
-----
svml iscsi0 1 iqn.2016-09.com.localhost:matt 00:02:3d:06:00:00

root@ontap:~# iscsiadm -m node -L all
Logging in to [iface: default, target: iqn.1992-08.com.netapp:sn.a350acf8fbc311e390a400a0981e2c74, portal: 10.61.84.123,3260]
Logging in to [iface: default, target: iqn.1992-08.com.netapp:sn.a350acf8fbc311e390a400a0981e2c74, portal: 10.61.84.122,3260]

root@ontap:~# echo "- - -" > /sys/class/scsi_host/host8/scan
root@ontap:~# echo "- - -" > /sys/class/scsi_host/host9/scan

root@ontap:~# multipath
<no output>
```

A Linux host cannot discover a newly provisioned LUN. Referring to the exhibit, what would be the cause of the problem?

- A. The IUN ID Is Incorrect.
- B. The host's MPIO feature is not enabled.
- C. The Initiator group is misconfigured.
- D. The host's IP address is misconfigured.

Correct Answer: C



### QUESTION 5

You are configuring a Windows Server 2019 system to attach to an iSCSI presented LUN. There are multiple physical paths from the Windows Server to the Netapp Cluster. Which two changes are required to the Windows Server to enable multipath? (choose two)

- A. Add an Ethernet network adapter
- B. Select the "enable multi-path" checkbox on the iSCSI software initiator
- C. Add a converged network adapter (CNA)
- D. Enable MPIO by selecting the option in the MPIO properties administrative application

Correct Answer: BD

Select Enable multi-path, select Automatically restore this connection when the computer starts or Add this connection to the list of Favorite Targets, and then click Advanced You can find more information on this link:

<https://docs.netapp.com/ontap-9/topic/com.netapp.doc.exp-iscsi-cpg/iSCSI%20express%20configuration%20for%20Windows.pdf> (15)

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