# NS0-520 Q&As

NetApp Certified Implementation Engineer - SAN ONTAP

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**QUESTION 1**

A user cannot add more than one NVMe data LIF in ONTAP 9.4 on an SVM with a data protocol parameter set to nvme. In this scenario, what is the problem?

A. The SVM data protocol should be set to FC.

B. The NVMe namespace is not created.

C. A demo license is used.

D. Only one NVMe data LIF can be configured per SVM.

Correct Answer: B

**QUESTION 2**

You deployed a new SVM for FC access, and you used the vserver fcr, create -vserver svm1 - status-admin up command to enable FC service on the SVM. You then created the LIFs for the FC protocol. When you review the status of the LIFs, they show that the admin status is up, but the operational status is down. You have already verified that the ports are physically connected.

In this scenario, what is the next step to bring the LIFs up?

A. Use the network interface modify command to change the operational status of the LIFs.

B. Create at least one zone that contains your SVM LIF WWPNs and an initiator.

C. Verify that an FC license is applied on your system.

D. Disable the SAN switch port where your NetApp storage is connected.

Correct Answer: B

**QUESTION 3**

You have finished deploying a Netapp AFF All SAN Array Cluster and want to test the persistent ports feature. In this scenario, how would you accomplish this task?

A. Perform a takeover of a node

B. Disconnect an FCP initiator port

C. Disconnect an FCP target port

D. Disable a SAN LIF

Correct Answer: A

If we don\\'t have OnCommand Insight, then we should not pull out a cable as test because it won\\'t be detected properly. Doing a planned takeover will meet the requirements asked.

| Number | Validation test | Desired result |
|---|---|---|
| 1 | Cable pull and port shutdown to cause path failure:<br>• From the storage controller to the fabric or Ethernet switch | Path faults are detected by OnCommand Insight or by Active IQ Unified Manager; storage volume performance is still within ASA parameters. |


| Number | Validation test | Desired result |
|---|---|---|
| | • From the host to the fabric or Ethernet switch | |
| 2 | Planned takeover and giveback of storage controllers | Storage I/O is not disrupted; storage performance is unaffected; alerts are sent out by using Active IQ Unified Manager and AutoSupport. |
| 3 | Unplanned takeover and giveback of storage controllers | Storage I/O is not disrupted; storage performance is unaffected; alerts are sent out by using Active IQ Unified Manager and AutoSupport. |

Table

You can find more information on this link:

https://www.netapp.com/pdf.html?item=/media/10379-tr4515.pdfandv=20217121554 (26)

**QUESTION 4**

You have a SAN host that is only sending traffic to an ONTAP cluster using active non- optimized paths. In this scenario, over which network type does the node that is hosting the target LUN receive the traffic?

A. Fibre Channel network

B. Cluster network

C. ISCSI network

D. Intercluster network

Correct Answer: B

The Cluster Network This is used for traffic that is going between the nodes themselves, such as system information that is being replicated between the nodes. Also, if incoming client data traffic hits a network port on a different controller than the one which owns the disks, that traffic will also go over the cluster network.

**QUESTION 5**

While changing the network connections on your ONTAP cluster from twinax to fiber, the ports experience network connectivity issues. You want to verify which speeds the ports support and ensure that you have supported transceivers. In this scenario which two actions would accomplish this task (choose two)

A. Use hardware universe to determine the supported transceivers

B. Use the interoperability matrix tool to determine the supported port speeds

C. Use hardware universe to determine the supported port speeds

D. Use the interoperability matrix tool to determine the supported transceivers

Correct Answer: AC

Hardware universe will show information about port speeds and transceiver compatbility You can find more information on this link: https://hwu.netapp.com/Resources/hwu_ug.pdf (page 73)