



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

NetApp Certified Implementation Engineer - SAN ONTAP

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### QUESTION 1

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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### QUESTION 2

You are planning to implement a 32 Gb FC SAN on a 2-node AFF A700 ONTAP 9.5 cluster. You need to create 112 FC LIFs across the HA pair with a limit of 20 FC LIFs per physical HBA port.

In this scenario, how many 2-port 32 Gb HBA cards do you need per storage controller?

- A. 2
- B. 1
- C. 4
- D. 3

Correct Answer: A

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### QUESTION 3

Exhibit.



```

::> lun show -vserver svml
-----
Vserver Path State Mapped Type Size
-----
svml /vol/luns/lun online mapped linux 10GB

::> igroup show -vserver svml
-----
Vserver Igroup Protocol OS Type Initiators
-----
svml linuxhost mixed linux iqn.1999-01.com.localhost:71f9e0a481d3

::> lun mapping show -vserver svml -path /vol/luns/lun
-----
Vserver Path Igroup LUN ID Protocol
-----
svml /vol/luns/lun linuxhost 10 mixed

::> 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

# 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]

# echo "- - -" > /sys/class/scsi_host/host8/scan
# echo "- - -" > /sys/class/scsi_host/host9/scan

$ 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 4

Question	Exhibit
	<pre> cluster01:&gt; system hardware unified-connect show -node cluster01-01 ----- Node Adapter Current Mode Current Type Pending Mode Pending Type Admin Status ----- cluster01-01 0c can target - - online cluster01-01 0d can target - - online cluster01-01 1a fc target - - offline cluster01-01 1b fc target - - offline cluster01-01 1c fc initiator - - online cluster01-01 1d fc initiator - - online 6 entries were displayed. </pre>

Referring to the exhibit, what happens when you change the type for port 1a from target to initiator?

- A. The port type for 1a changes to initiator, and you must reboot the controller for the changes to take effect.



- B. You receive an error message that you must take ports 1a and 1b offline before you can change the type.
- C. B. You receive an error message that you must take the port 1a offline before you can change the type.
- D. The port type for 1a and 1b changes to initiator, and you must reboot the controller for the changes to take effect.

Correct Answer: A

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#### QUESTION 5

An administrator is configuring their existing Ethernet network switches to provide iSCSI LUNs to several servers. The network switches are also used for other traffic from various hosts. In this scenario, which statement is true?

- A. Increase the ratio of access ports to trunk ports to 2:1
- B. Configure the MTU size to be larger on the switch and storage than on the host.
- C. Use multiple VLANs to isolate traffic from other network traffic
- D. Netapp recommends using the same LIFs for NFS and iSCSI traffic

Correct Answer: C

VLANs offer specific benefits, such as increased security and improved network reliability that you might want to leverage in iSCSI.

You can find more information on this link:

<https://docs.netapp.com/ontap-9/topic/com.netapp.doc.dot-cm-sanconf/SAN%20configuration.pdf> (page 5)

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