



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

NetApp Certified Implementation Engineer - SAN ONTAP

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### QUESTION 1

You are a system administrator and responsible for a Netapp AFF A800 2-node ONTAP 9.8 cluster that is used only for SAN. Your SAN uses FC and FCoE on the same Cisco switches. You want to add NVMe from the ONTAP controller to the same Cisco fabric. Which two statements are correct in this scenario? (choose two)

- A. The same SVM can serve both the FC and the FCoE protocols
- B. The same SVM cannot serve both the FC and the NVMe protocols
- C. FCoE and NVMe can share the same physical port
- D. FC and NVMe can share the same 32 GB physical port

Correct Answer: AD

FC and FC-NVMe can share the same 32 Gb physical port The same SVM can serve both FC and NVMe protocols using the same physical infrastructure wiith different LIFs FCoE and NVMe can NOT share the same infrastructure, they go trough different physical hardware <https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanconf%2FGUID-7D5EA321-97AE-497D-9925-BEF2553DF9F1.html>

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### QUESTION 2

Which three components are required for NetApp iSCSI LUN access on Linux servers? (Choose three.)

- A. device-mapper-multipath
- B. NetApp SnapDrive
- C. scsi-target-utils
- D. iscsi-initiator-utils
- E. NetApp Host Utilities

Correct Answer: ACE

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### QUESTION 3

You have a 100GB volume with the space guarantee set to volume, This volume contains two space reserved 20 GB LUNs. Both LUNs are at 50% use. You then create a snapshot copy of the volume. No modifications were performed since the snapshot copy was completed, and all actions were performed using the CLI. In this scenario, how much free space does the volume have?

- A. 60 GB
- B. 20 GB
- C. 40 GB
- D. 80 GB



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Correct Answer: A

Both LUN created are inheriting the space reserved parameter from its volume parent, so both LUNs are thick provisioned using 20 GB each one of them and the snapshots have not increased because there has not been any changes since their creation 100GB - 20 GB - 20GB

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#### QUESTION 4

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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#### QUESTION 5

You are planning to set up a new SAN with an AFF A300 2-node switchless cluster. Your SAN fabric will consist of Cisco MDS9148s switches. According to NetApp best practices, which two actions would be required to accomplish this task? (Choose two.)

- A. Set the switchport speed setting to 16 Gb.
- B. Use single initiator, multiple target zoning.
- C. Use multiple initiator, single target zoning.
- D. Set the switchport speed to auto negotiate.

Correct Answer: BD

Reference: <https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-mcc-inst-cnfg-fabric%2FGUID-DA51E013-0C96-4D55-9E35-39CDE07082E9.html>