



# NS0-509<sup>Q&As</sup>

NetApp Certified Implementation Engineer - SAN - ONTAP

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### QUESTION 1

Click the Exhibit button.

Question		Exhibit
<pre>::&gt;network interface show -fields data-protocol</pre>		
vserver	lif	data-protocol
svm-iscsi1	lif1	nfs,cifs
svm-iscsi1	lif2	nfs,cifs

You are asked to serve iSCSI LUNs in an existing SVM on your AFF A220 using ONTAP 9.5. You verified that the iSCSI license is configured on your cluster and that the iSCSI protocol is enabled.

Referring to the exhibit, what is needed to allow hosts to log into the iSCSI target?

- A. Create new LIFs with the iSCSI data protocol.
- B. Create new igroups with the host IQNs.
- C. Add iSCSI to the data protocol of the existing LIFs.
- D. Map LUNs to the igroups.

Correct Answer: D

### QUESTION 2

Which resource would you use to verify whether a specific SAN configuration is supported by NetApp?

- A. SAN Configuration Guide
- B. Hardware Universe (HWU)
- C. Active IQ
- D. Interoperability Matrix Tool (IMT)

Correct Answer: A

Reference: [https://docs.netapp.com/ontap-9/topic/com.netapp.doc.dot-cm-sanconf/SAN% 20configuration.pdf](https://docs.netapp.com/ontap-9/topic/com.netapp.doc.dot-cm-sanconf/SAN%20configuration.pdf)

### QUESTION 3

Exhibit.



```
cli1::> lun mapping show
vservers      path                igroup lun-id reporting-nodes
-----
SVM1          /vol/host1/lun0     linux1 0      cli1-01, cli1-02
SVM1          /vol/host2/lun0     linux2 0      cli1-01, cli1-02

cli1::> 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

Click the Exhibit button.

Question

Exhibit

FC/FCoE and NVMe Adapters

Edit	Status	Refresh				
WWNN	Node Name	Slot	Data Protocols	WWPN	Status	Speed
50:0a:09:80:80:83:61:11	AFF_1	0e	fc	50:0a:09:84:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	0f	fc	50:0a:09:83:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	0g	fc	50:0a:09:86:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	0h	fc	50:0a:09:85:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	1a	fc,fc_nvme	50:0a:09:81:80:83:61:11	online	auto
50:0a:09:80:80:83:61:11	AFF_1	1b	fc,fc_nvme	50:0a:09:82:80:83:61:11	online	auto
50:0a:09:80:80:d3:61:00	AFF_2	0e	fc	50:0a:09:82:80:d3:61:00	online	auto
50:0a:09:80:80:d3:61:00	AFF_2	0f	fc	50:0a:09:81:80:d3:61:00	link not connected	auto
50:0a:09:80:80:d3:61:00	AFF_2	0g	fc	50:0a:09:84:80:d3:61:00	online	auto
50:0a:09:80:80:d3:61:00	AFF_2	0h	fc	50:0a:09:83:80:d3:61:00	link not connected	auto

A customer is using both FC and NVMe in a cluster. The customer needs to do some work on AFF\_1. Referring to the exhibit, what will happen?

- A. The NVMe namespaces on AFF\_2 will be available after takeover of AFF\_1.
- B. The FC LUNs that use cluster interconnect to access the LUNs on AFF\_1 will be unavailable after failover.



- C. The FC LUNs on node AFF\_2 will be unavailable after failover of AFF\_1.
- D. The NVMe namespaces on AFF\_1 will be unavailable after takeover by AFF\_2.

Correct Answer: C

## QUESTION 5

Exhibit.

**Move Volume**

**Source Volume**

Name: vol\_sqldb01\_prod  
Committed Size: 296 KB  
Aggregate: aff\_01\_aggr1  
Storage Type: SSD

**Destination Aggregate**

Name	Available Space	Total Space	Storage Type	FabricPool
Aggr_Azure	1.9 TB	1.91 TB	SSD	Yes
Aggr_Data	935.75 GB	1.91 TB	SSD	No
Aggr_CDMC	1.01 TB	1.01 TB	SSD	Yes

Tiering Policy: snapshot-only

Tell me more about external capacity tier and tiering policies.

**Source Aggregate Space**

	Available Before Move	Available After Move
Data	11.17 TB	11.17 TB
Capacity Tier	Used Before Move: -NA-	Used After Move: -NA-

**Destination Aggregate Space**

	Available Before Move	Available After Move
Data	935.75 GB	935.75 GB
Capacity Tier	Used Before Move: -NA-	Used After Move: -NA-

Know more about the changes in volume settings on the destination aggregate.

Move Cancel

You are moving volumes between aggregate aft\_01\_aggr1 and the aggregate Aggr\_Data shown in the exhibit.



How much space will be moved?

- A. 11.17 TB
- B. 935.75 GB
- C. 296 KB
- D. 1. 91 TB

Correct Answer: C

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