

NS0-509^{Q&As}

NetApp Certified Implementation Engineer - SAN - ONTAP

Pass NetApp NS0-509 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.leads4pass.com/ns0-509.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by NetApp
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



QUESTION 1

You have a 4-node cluster with an AFF A300 HA pair and a FAS8200 HA pair. You plan on using the default storage efficiency settings. With inline data compaction, you estimate that you can save 6% of storage space. AFF A300 volumes that use under 5,000 IOPS are moved to a FAS8200 using the volume move command.

In this scenario, what happens to the data after the volume is moved? (Choose two.)

- A. The new written data is not compacted.
- B. The existing data is compacted.
- C. The new written data is compacted.
- D. The existing data is not compacted.

Correct Answer: AB

Reference: <https://www.netapp.com/us/media/tr-4476.pdf>

QUESTION 2

Exhibit.

Name	Container Path	Space Reservation	Available Size	Total Size	% Used
test_lun	/vol1/vo1_01	Enabled	100.01 GB	100.01 GB	0.0%
lun_sanluns01_prod01	/vol1/vo1_sanluns01dev_02	Enabled	10 GB	10 GB	0.0%
lun_sanluns1_prod_01	/vol1/vo1_sanluns01prod_03	Enabled	100.01 GB	100.01 GB	0.0%
lun_sanluns1_prod_02	/vol1/vo1_sanluns01prod_03	Enabled	200.03 GB	200.03 GB	0.0%
lun_sanluns1_prod_03	/vol1/vo1_sanluns01prod_03	Disabled	300.04 GB	300.04 GB	0.0%
lun_sanluns1_prod_04	/vol1/vo1_sanluns01prod_03	Disabled	2 TB	2 TB	0.0%

Referring to the exhibit, what is the total amount of space that is guaranteed for the LUNs in the /vo1/vo1_sanlunsprod_03 volume?

- A. 0 GB
- B. 300 GB
- C. 600 GB
- D. 2600 GB

Correct Answer: A

QUESTION 3

Exhibit.

```

c11::> lun mapping show
vsrver      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
vsrver      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 c11-01 and are being moved to c11-03 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 c11-03 and c11-04.
- B. Create additional LIFs on c11-01 and c11-02.
- C. Create a new destination volume on c11-03.
- D. Create new igroups on c11-03 and c11-04.

Correct Answer: A

QUESTION 4

After the addition of extra DS224C disk shelves, you notice that the output of the system node run -node node_1 sysconfig command shows Mixed-path. You need to investigate why the additional shelves are providing this error.

In this scenario, which two tools would help diagnose this issue? (Choose two.)

- A. Config Advisor
- B. Active IQ
- C. Hardware Universe (HWU)
- D. Interoperability Matrix Tool (IMT)

Correct Answer: AD

QUESTION 5

You have an SVM that serves LUNs to your hosts in an FC SAN environment. This SVM runs on a 4-node cluster and has two data LIFs on each node, according to best practices. You just created a LUN and

mapped it to your initiators group. The LUN is owned by node01. In this scenario, what would be an appropriate test for LUN mobility?

- A. Move the LUN to node02.
- B. Mirror the LUN to another node in your cluster.
- C. Physically disconnect the SAN ports, and verify if the SAN data LIFs automatically move to other hosts.
- D. Copy the LUN to another node and create a new LUN map.

Correct Answer: A

QUESTION 6

Which two components must be verified for a supported NetApp SAN configuration? (Choose two.)

- A. host memory
- B. host GPU
- C. host multipath
- D. host bus adapter

Correct Answer: CD

QUESTION 7

A 4-node ONTAP FAS9000 cluster was used to serve I/O from six RedHat 7.3 servers. The servers were configured with maximum, queue depth.

For production purposes, an additional 60 similarly configured hosts were added to the environment. Later, the hosts started reporting random QFull errors, and the aggregated performance degraded. Which two solutions would alleviate the QFull errors and performance problems? (Choose two.)

- A. Remove Selective LUN Mapping (SIM) from the 4-node FAS9000 cluster.
- B. Download the latest FC HBA driver, firmware, and BIOS, and deploy them on the hosts.
- C. Configure and use additional FC target HBAs in the FAS9000 cluster.
- D. Reduce FC HBA queue depth on the hosts.

Correct Answer: CD

QUESTION 8

An administrator has expanded a 2-node ONTAP cluster to a 4-node ONTAP cluster. The cluster is using FC LUNs with all of the default settings. You must rebalance the LUNs to the new nodes.

Which configuration must be made to achieve this requirement?

- A. The new nodes must be added to the reporting nodes list.
- B. All nodes must be removed from the reporting nodes list.
- C. The original nodes must be added to the reporting nodes list.
- D. The original nodes must be removed from the reporting nodes list.

Correct Answer: A

QUESTION 9

You are provisioning storage to an ESX host that uses iSCSI.

According to NetApp best practice, which three actions accomplish this task? (Choose three.)

- A. Enable the iSCSI service.
- B. Bind the iSCSI ports to the software iSCSI adapter.
- C. Install Virtual Storage Console (VSC) for VMware.
- D. Enable BGP on the switch.
- E. Configure MTU 1500 on the switch.

Correct Answer: BCE

QUESTION 10

A customer's Red Hat Linux 7.0 server's Linux native DM-MP settings for multi pathing have not been set correctly. In this scenario, what would cause this problem?

- A. The multi path, conf file contains the blacklist stanza;
- B. Challenge-Handshake Authentication Protocol (CHAP) is not enabled.
- C. The rdloaddriver=scsi_dh_alua was not added to the end of the boot loader file.
- D. The incorrect WWID was added to the multipath.conf file.

Correct Answer: D

QUESTION 11

A customer has an existing 8-node cluster that consists of six FAS2650 nodes and two FAS2554 nodes. The customer

wants to expand the cluster by adding two AFF A220 nodes.

Which resource would be used to determine whether this configuration is supported?

- A. Interoperability Matrix Tool (IMT)
- B. Config Advisor
- C. OneCollect
- D. Hardware Universe (HWU)

Correct Answer: B

QUESTION 12

Click the Exhibit button.

Question		Exhibit				
FC/FCoE and NVMe Adapters						
Edit	Status	Refresh				
WWWNN	Node Name	Slot	Data Protocols	WWPN	Status	Speed
50:0a:09:80:80:83:61:11	AFF_1	0e	fcf	50:0a:09:84:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	0f	fcf	50:0a:09:83:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	0g	fcf	50:0a:09:86:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	0h	fcf	50:0a:09:85:80:83:61:11	link not connected	auto
50:0a:09:80:80:83:61:11	AFF_1	1a	fcf.fc_nvme	50:0a:09:81:80:83:61:11	online	auto
50:0a:09:80:80:83:61:11	AFF_1	1b	fcf.fc_nvme	50:0a:09:82:80:83:61:11	online	auto
50:0a:09:80:80:d3:61:00	AFF_2	0e	fcf	50:0a:09:82:80:d3:61:00	online	auto
50:0a:09:80:80:d3:61:00	AFF_2	0f	fcf	50:0a:09:81:80:d3:61:00	link not connected	auto
50:0a:09:80:80:d3:61:00	AFF_2	0g	fcf	50:0a:09:84:80:d3:61:00	online	auto
50:0a:09:80:80:d3:61:00	AFF_2	0h	fcf	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 13

Exhibit.

```
Vaerver Name: AFF_SAN_DEFAULT_SVM
  LUN Path: /vol/OraFinProd_oradata_OraFinProd_1/oradata_OraFinProd_1
  Volume Name: OraFinProd_oradata_OraFinProd_1
  Qtree Name: ""
  LUN Name: oradata_OraFinProd_1
  LUN Size: 2.50GB
  OS Type: linux
  Space Reservation: disabled
  Serial Number: 807Jd]I3ao3X
  Serial Number (Hex): 3830374a645d4933616f5358
  Comment:
  Space Reservations Honored: false
  Space Allocation: enabled
  State: online
  LUN UUID: 6b328b3e-889e-4512-a62b-6e830a22861b
  Mapped: mapped
  Block Size: 512
```

The exhibit shows the Inn show command output for the oradata oraFinProd_I LUN. Which two statements are correct about the LUN? (Choose two.)

- A. The LUN is thick provisioned.
- B. The LUN supports SCSI Thin unmap.
- C. The LUN type is Windows.
- D. The LUN is thin provisioned.

Correct Answer: BD

QUESTION 14

A customer recently added two nodes with FC ports to a 4-node cluster.

Which SVM configuration is needed before the customer creates LUNs on the new nodes?

- A. The FC service needs to be enabled on the data SVM.
- B. The existing LIFs need to be migrated to the new nodes.
- C. New FC LIFs need to be created on the cluster SVM.
- D. New FC LIFs need to be created on the new nodes.

Correct Answer: D

Reference: <https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.expand%2FGUIDE3BB89AF-6251-4210-A979-130E845BC9A1.html>

QUESTION 15

An administrator is configuring a SAN-only cluster. The data room that houses four AFF A220 controllers is small and not able to house the DS224C shelves. The administrator proposes to rack the shelves in a separate room that is 40 meters away from the controllers.

In this situation, how would you properly connect the controllers to the shelves?

- A. Use multimode passive optical cables.
- B. Use multimode active copper cables.
- C. Use multimode active optical cables.
- D. Use multimode passive copper cables.

Correct Answer: C

Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2485106 (45)

[NS0-509 PDF Dumps](#)

[NS0-509 Study Guide](#)

[NS0-509 Braindumps](#)