

NS0-520^{Q&As}

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QUESTION 1

Question	Exhibit
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```

ONTAP Path: AFF_SAN_DEFAULT_SVM:/vol/OraDev_Vol/OraDev
LUN: 0
LUN Size: 65g
Product: cDOT
Host Device: 3600a09803830374a645d4933616f5275
Multipath Policy: service-time 0
Multipath Provider: Native
    
```

host path state	vserver path type	/dev/ node	host adapter	vserver LIF
up	primary	sdf	host2	aff_node-01_0e_A
up	primary	sdb	host1	aff_node-01_0g_A
up	secondary	sdd	host1	aff_node-02_0g_A
	secondary	sdh	host2	aff_node-02_0e_A

Referring to the exhibit, which two LIFs would be optimized paths to LUN /vol/OraDev_Vol/OraDev? (Choose two.)

- A. aff_node-01_0g_A
- B. aff_node-02_0e_A
- C. aff_node-02_0g_A
- D. aff_node-01_0e_A

Correct Answer: A

QUESTION 2

You are configuring a FAS8300 HA pair running ONTAP 9.8 with two hosts that requires SAN LUNs. The cluster is in a secure data center without switches. In this scenario, which block protocol is supported on the hosts?

- A. FCP
- B. ISCSI
- C. FCoE
- D. NVMe

Correct Answer: B

Direct-attachment

In a direct-attached configuration, one or more hosts are directly connected to the controllers.

You can find more information on this link:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanconf%2FGUID-193CC377-5C6F-4D3C-B42E-CE71AB6AA77F.html>

QUESTION 3

Referring to the exhibit, which WWPN would safely be removed from the zone?

- A. 50:0a:09:84:8d:7c:51:d5
- B. 20:09:00:a0:98:32:99:07
- C. 21:00:00:c0:dd:19:4b:f3
- D. 20:27:00:a0:98:32:99:07

Correct Answer: C

Important:

A WWN pool can include only WWNNs or WWPNs in the ranges from

20:00:00:00:00:00:00:00 to 20:FF:FF:FF:FF:FF:FF:FF or from 50:00:00:00:00:00:00:00 to 5F:FF:FF:FF:FF:FF:FF:FF. All other WWN ranges are reserved. To ensure the uniqueness of the Cisco UCS WWNNs and WWPNs in the SAN fabric, we recommend that you use the following WWN prefix for all blocks in a pool: 20:00:00:25:B5:XX:XX:XX You can find more information on this link:

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/cli/config/guide/1.4.1/CLI_Config_Guide_1_4_1_chapter21.html

QUESTION 4

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>

QUESTION 5

After completing the configuration of a new Brocade Fibre Channel switch, which command do you use to verify your configuration?

- A. switchshow
- B. show config
- C. configshow
- D. cfgshow

Correct Answer: C

QUESTION 6

Which two components should be installed to support VMware VMFS6 datastores in an environment with only Ethernet switches? (Choose two)

- A. V_StorageAttach license
- B. Host Utilities
- C. NetApp Virtual Storage Console
- D. iSCSI licenses

Correct Answer: CD

Installing VSC is the best practice recommended by Netapp when you use VMware and this is an environment with only Ethernet switch, so iSCSI licenses are needed to present LUNs to the Virtual environment. You can find more information on this link: https://docs.netapp.com/us-en/netappsolutions/pdfs/sidebar/VMware_vSphere_with_ONTAP_Best_Practices.pdf

QUESTION 7

You recently bought a FAS8200 series with SAS drives and want to maximize data efficiencies. Performance is not a primary Which two statements are correct in this scenario? (Choose two.)

- A. Enable both inline and post process efficiencies.
- B. Enable always-on compaction.
- C. Enable always-on deduplication.
- D. Enable compression.

Correct Answer: AC

QUESTION 8

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

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

QUESTION 9

You are installing an AFF A250 system with ONTAP 9.8 software. Your customer asks you about the recommended LIF configuration for the ISCSI protocol. In this scenario, which two statements are correct (choose two)

- A. Each node in an ISCSI configuration must be connected to a minimum of two ethernet switches
- B. All LIFs from the SVM are connected to a single Ethernet switch
- C. Each SVM in an ISCSI configuration must have a minimum of two LIFs per node
- D. Each SVM in an ISCSI configuration must have a minimum of one LIF per node

Correct Answer: AC

It is recommended that all SVMs in ISCSI configurations have a minimum of two LIF's per node in separate Ethernet networks for redundancy and MPIO across multiple paths.

You can find more information on this link:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanconf%2FGUID-650DC466-CA3F-4032-8005-078FCEEB52E7.html>

QUESTION 10

Click the Exhibit button.

```
switch# show npv status
```

```
npiv is enabled
```

```
External Interfaces:
```

```
=====
```

```
Interface: ext17, FCID: 0x000000, State: Failed(neighbor on the upstream port is not fabric)
```

```
Number of External Interfaces: 3
```

An administrator is trying to configure a multiple-hop Cisco MDS switch and is receiving the error shown in the exhibit. In this scenario, which action will solve this problem?

- A. Configure the physical link of interface ext17 as an F_Port.
- B. Configure the external interface to a different virtual SAN (VSAN) on both ends.
- C. Connect the external link to a Cisco MDS switch.
- D. Turn N_Port ID virtualization (NPIV) off.

Correct Answer: C

Reference: https://www.cisco.com/en/US/products/ps5989/prod_troubleshooting_guide_chapter09186a00808c82f1.html

QUESTION 11

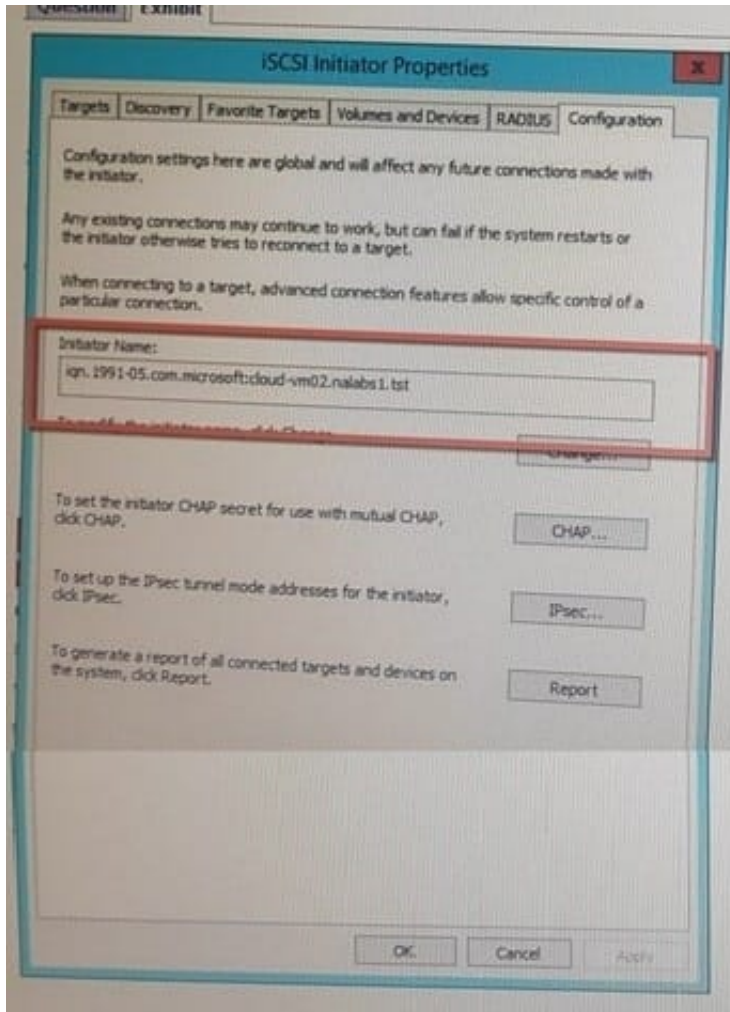
When running diagnostic tests after an initial installation of a NetApp FAS3000 storage system, which command is used to run a comprehensive set of diagnostic tests on the entire system?

- A. all
- B. comprehensive
- C. full
- D. stress

Correct Answer: A

QUESTION 12

Exhibit.



You want to map a LUN to a server.

To which SAN object is the highlighted value in the exhibit added?

- A. LUN
- B. fabric zone
- C. FlexClone
- D. igroup

Correct Answer: D

QUESTION 13

Which tool collects configuration data from hosts and switches to assist in evaluating a qualified configuration?

- A. System Manager
- B. sysstat. command

C. SnapCenter

D. OneCollect

Correct Answer: D

QUESTION 14

What is the recommended minimum of data LIFs per node for iSCSI in a dual-fabric configuration with four SVMs?

A. 8

B. 12

C. 16

D. 4

Correct Answer: A

Reference: <https://docs.netapp.com/ontap-9/topic/com.netapp.doc.dot-cm-sanconf/GUID-650DC466-CA3F-4032-8005-078FCEEB52E7.html> (6th bullet)

QUESTION 15

What is the supported NVMe OS multipathing stack for VMware ESXi?

A. dm-multipath

B. MPIO

C. NMP

D. PVlinks

Correct Answer: C

Reference: <https://www.netapp.com/us/media/tr-4684.pdf> (18)

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