

NS0-506^{Q&As}

NetApp Certified Implementation Engineer - SAN, Clustered Data
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QUESTION 1

Which protocol allows to access a controller's CLI interface?

- A. SSH
- B. NTP
- C. TFTP
- D. IMAP

Correct Answer: A

QUESTION 2

You want to verify that a host will be able to see the storage. A LUN is mapped to an igroup for the host, and both the host and storage are connected to FC switches.

Which command will provide the path status information from the switch?

- A. configure
- B. cfgshow
- C. fcping
- D. zoneshow

Correct Answer: B

QUESTION 3

What is a NetApp-recommended zoning best practice?

- A. Switch port zoning should always be employed.
- B. WWNN zoning is required.
- C. Single-initiator zoning is recommended.
- D. Zones can overlap.

Correct Answer: C

QUESTION 4

When designing a new SAN solution, which three components should be verified with the IMT? (Choose three.)

- A. the connection protocol
- B. the patch panel make and model
- C. host OS type and version
- D. the type of Ethernet switch
- E. the clustered Data ONTAP version

Correct Answer: CDE

QUESTION 5

Inside of an SVM, an iSCSI IP address is defined on which object?

- A. qtree
- B. LUN
- C. LIF
- D. node part

Correct Answer: B

QUESTION 6

After mapping the LUN on the cluster, you are not able to see in on the Windows 2012 host.

```
cl01::>igroup show -instance Vserver Name: svm1 Igroup Name: ig1-win Protocol: iscsi OS Type: Windows Portset Binding Igroup: Igroup UUID: 358338ba-cfd611df-a9ab-123478563412 Initiators: iqn.199105.com.microsoft: host1 (not logged in)
```

Referring to the exhibit, what is the problem?

- A. An administrator is not logged into the host.
- B. The iSCSI target has not been added to the host.
- C. The OS type should be windows_2008.
- D. The OS type should be windows_gpt.

Correct Answer: B

QUESTION 7

Exhibit

You have a 2-node data ONTAP 8.3 cluster.

Based on the exhibit, which change must be made to make svm1 conform to iSCSI best practices?

```
cl01::> net int show -vserver svm1 -data -protocol iscsi Logical Status Network Current Current Is Vserver Interface
Admin/Oper Address/Mask Node Port Home
```

```
svm1 up/up 10.204.34.25/24 cl01-01 a0a 434 true cl01::>iscsi show -vserver svm1 Vserver: svm1 Target Name:
iqn.1992 08.com.netapp: sn.ca5eaa069c211 Target Alias: svm1 Administrative Status: up
```

- A. The iSCSI LIFs must be moved to a VLAN higher than 1024.
- B. An iSCSI LIF must be added to node cl01-02.
- C. The Target Alias must be modified to match the Target Name.
- D. The iSCSI LIFs must be moved to a physical interface; iSCSI LIFs are not supported on top of an ifgrp.

Correct Answer: C

QUESTION 8

You created a 5 TB VMware volume "vol_esx_nfs1" in "svm1" for an NFS datastore. The storage efficiency savings of the vmdks are one over 50%, but the application team wants to minimize the possibility of an out-of-space condition. You enable autogrow, autoshrink, and snapshot autodelete with the following commands:

```
volume modify -vserver vm1 -volume vol_esx_nfs1 -space-mgt-try-first
```

```
volume_grow snapshotautodelete modify -vserver vm1 -volume vol_esx_nfs1 -enabled true delete
```

```
orderoldest_first -target-free-space 10% -trigger volume
```

```
volautosize -vserver vm1 -volume vol_esx_nfs1 -mode grow_shrink -maximum-size10 TB minimum-size 5 TB -grow-
threshold-percent 80 -shrink-threshold-percent 60
```

What will these commands do?

- A. Delete the oldest Snapshot copies before growing the volume.
- B. Increase the Snapshot copy reserve before growing the volume.
- C. Shrink the volume before deleting the Snapshot copies.
- D. Grow the volume before deleting the Snapshot copies.

Correct Answer: B

QUESTION 9

Exhibit

```
cl01::>igroup show -vserver svm1 VserverIgroup Protocol OS Type Initiators svm1 esx_cluster mixed vmware
20:00:00:25:b5:11:a0:01,
```

20:00:00:25:b5:11:b0:01,

iqn.1998-01.com.vmware:esx02

cl01::>

A customer is provisioning storage for two ESXi hosts using FCoE with CNA adapters. The customer mapped the LUN to the igroup shown in the exhibit. After scanning for new devices, the LUN is only seen by one of the ESXi hosts.

What caused the problem?

- A. One of the hosts is added in the igroup via iSCSI IQN.
- B. The igroup protocol needs to be configured as FCP.
- C. The switch zoning configuration does not include the correct initiators.
- D. The LIFs are not on their home ports.

Correct Answer: A

QUESTION 10

You have a 4-node FAS8040 cluster licensed for FCP and iSCSI. Each node has both FC and iSCSI LIFs. One of your Windows 2012 Servers has a single 8Gb FC port and a single 10 Gb Ethernet port with switched connectivity to the FC and Ethernet ports on the cluster. You need to use both ports on the host for multipath access to a LUN on the NetApp cluster.

What will accomplish this task?

- A. NetApp Data ONTAP DSM for Windows MPIO
- B. FCoE HBA
- C. iSCSI HBA
- D. native Windows MPIO

Correct Answer: A

QUESTION 11

A customer has a host experiencing performance problems with its FC LUNs. The customer has examined the nodes hosting the LUNs, and both the disk and CPU performance are below 50% utilization. The

customer examined the switch ports connected to the storage array, and they are also below 50% utilization.

Which three should the customer verify? (Choose three.)

- A. that the HBA queue depth is set properly
- B. that the host HBA has the correct port settings

- C. that the host Ethernet interfaces are using jumbo frames
- D. that the host is running SnapDrive
- E. that the FC switch ports connected to the host have not exceeded the maximum capacity

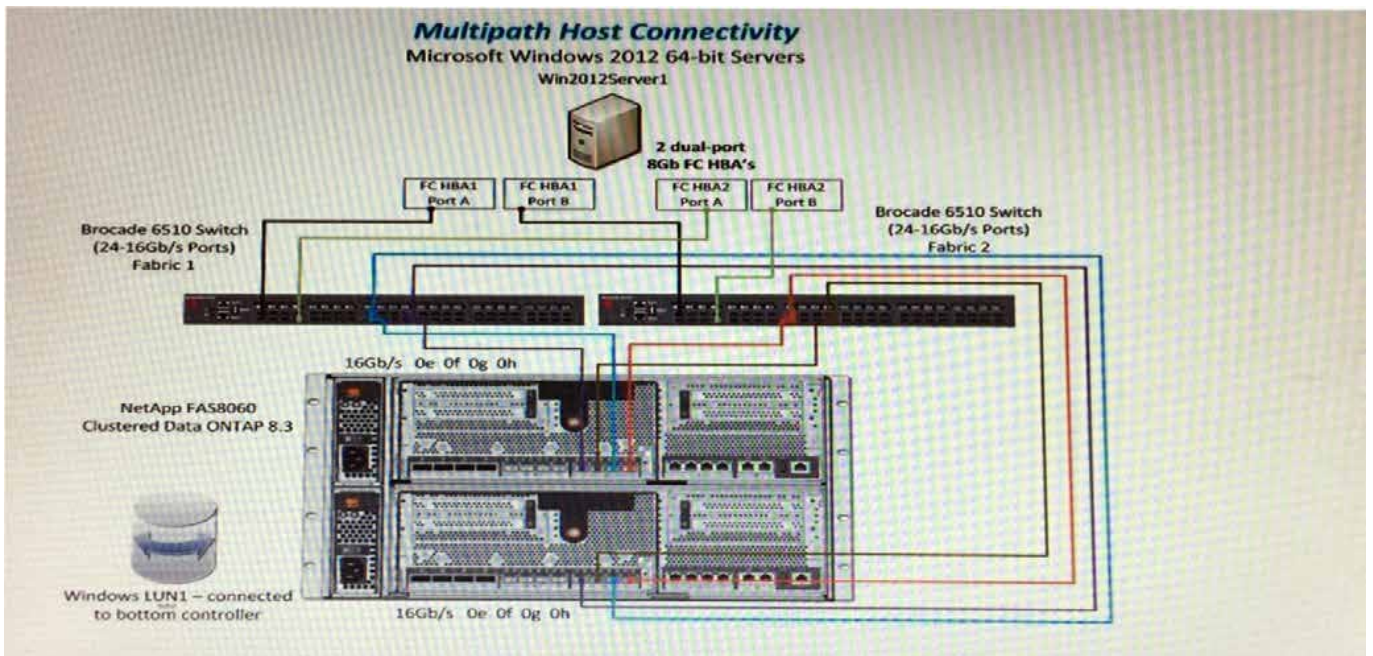
Correct Answer: CD

QUESTION 12

Click the Exhibit button.

Referring to the exhibit, how many paths to the LUN are visible from the host?

Exhibit:



- A. 16
- B. 8
- C. 24
- D. 32

Correct Answer: B

QUESTION 13

Which two flags would you use to enable NetApp thin provisioning on a LUN? (Choose two.)

- A. -space-reserve enabled -space-allocation enabled

- B. -space-reserve enabled -space-allocation enabled
- C. -space-reserve disabled -space-allocation disabled
- D. -space-reserve disabled -space-allocation enabled

Correct Answer: AC

QUESTION 14

Which command enables the FC protocol on clustered Data ONTAP?

- A. vserverpolicy enable -vserver -policy name -sequence number
- B. vserverfc create -vserver -status -adain up
- C. node run node fadmincongig -e
- D. vserveriscsi create-vserver -target -alias

Correct Answer: B

QUESTION 15

You are asked to configure the Service Processor on a newly installed node, and must verify the following command:

```
system-service processor network modify -node local -address-family IPv4 -enable true -ip-address 192.168.123.98 -netmask 255.255.255.0
```

Which statement about this command is true?

- A. -nodeshould reference the actual node name.
- B. The gateway IP address is missing.
- C. The Link Local IP Address is missing.
- D. IPv6 is required for the SP.

Correct Answer: A

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