

# NS0-502<sup>Q&As</sup>

NetApp Certified Implementation Engineer-SAN and Virtualization

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### QUESTION 1

A company has deployed a NetApp dual controller FAS3100 series with iSCSI. Currently, there are five Windows servers and three Novell NetWare servers connected to the IP SAN. The customer wants to connect an HP-UX server to the IP SAN.

Which cfmode allows all operating systems to co-exist in the IP SAN?

- A. single\_image
- B. standby
- C. cfmode not applicable
- D. dual\_fabric

Correct Answer: C

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### QUESTION 2

You are booting a NetApp storage system for the first time. In which order should the various components be powered on?

- A. any tape backup devices, disk shelves, network switches, NetApp controller heads
- B. NetApp controller heads, disk shelves, any tape backup devices, network switches
- C. NetApp controller heads, disk shelves, network switches, any tape backup devices
- D. network switches, disk shelves, any tape backup devices, NetApp controller heads

Correct Answer: D

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### QUESTION 3

Which command do you use on a Brocade switch to view all defined zone configuration information?

- A. cfgActvShow
- B. show zone
- C. cfgshow
- D. switchshow

Correct Answer: C

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#### QUESTION 4

Which commands allow you to enable NetApp deduplication and verify space savings?

- A. sis on , sis start , df s
- B. asis on , asis start , df s
- C. sis on , sis start , df r
- D. sis on, sis start, df p

Correct Answer: A

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#### QUESTION 5

Zoning by World Wide Port Name (WWPN) is deployed and a host HBA is replaced. Which zone change needs to be made?

- A. No changes are necessary.
- B. The zone configuration should be changed to include the port to which the HBA is connected.
- C. The zone configuration should be changed to include the WWPN of the new HBA; the old WWPN will be automatically dropped.
- D. The zone configuration should be changed to include the WWPN of the new HBA and to remove the WWPN of the old HBA.

Correct Answer: D

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#### QUESTION 6

Which NetApp host utility command determines the number of paths per LUN visible to the host?

- A. sanlun path show
- B. sanlun lun show -p
- C. sanlun fcp show adapter -p
- D. sanlun fcp show adapter -c

Correct Answer: B

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#### QUESTION 7

What are two functions of iSCSI access lists? (Choose two.)

- A. control the network interfaces on the storage system that an initiator can access
- B. define authentication parameters(CHAP)
- C. limit the number of network interfaces advertised by the storage system
- D. define MPIO behavior

Correct Answer: AC

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#### **QUESTION 8**

A company wants to use jumbo frames in their Ethernet network.

They should set the packet size to which industry conventional value?

- A. 1200
- B. 1500
- C. 9000
- D. 12000

Correct Answer: C

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#### **QUESTION 9**

What is the appropriate method for testing high availability controller failover?

- A. pull a power cord from a power supply on a controller
- B. shut down a controller
- C. issue the takeover command from a controller
- D. issue the giveback command from a controller

Correct Answer: C

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#### **QUESTION 10**

When does Fractional Reservation reserve space from the volume?

- A. Volume Creation
- B. LUN Creation

- C. LUN SnapMirror
- D. Volume Snapshot

Correct Answer: D

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#### QUESTION 11

Which statement is true about single\_image cfmode?

- A. Both nodes in the active-active configuration function as separate Fibre Channel nodes, and the LUN maps are not shared between the partners.
- B. Both nodes in the active-active configuration function as a single Fibre Channel node, and the LUN maps are shared between the partners.
- C. Both nodes in the active-active configuration function as a single Fibre Channel node, and the LUN maps are not shared between the partners.
- D. Both nodes in the active-active configuration function as separate Fibre Channel nodes, and the LUN maps are shared between the partners.

Correct Answer: B

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#### QUESTION 12

A 100-GB thinly provisioned LUN is allocated to a Windows host. 100 GB of data is written into the LUN. The current capacity utilization on the disk array as well as the host is 100%. 50 GB of data is deleted from the LUN. Space reclaimer has NOT been run.

What is the current capacity utilization on both the host and the disk array?

- A. 50% on the host, 100% on the disk array
- B. 100% on the host, 50% on the disk array
- C. 50% on the host, 50% on the disk array
- D. 100% on the host, 100% on the disk array

Correct Answer: A

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#### QUESTION 13

Which statement is correct regarding virtual machine alignment on VMware ESX?

- A. RDM LUNs do NOT suffer from alignment problems because they are accessed directly by VMs.

- B. A VMFS LUN with a LUN type of VMware, will always have properly aligned VMs.
- C. Alignment issues can occur on any protocol including FCP, iSCSI, FCoE, and NFS
- D. msinfo32 or mbrscan can be run for the ESX service console to check for proper alignment of VMs.

Correct Answer: C

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#### QUESTION 14

When assessing a current storage solution, it is critical to document the current NetApp storage system configuration.

Which factor should NOT be considered when documenting this existing configuration?

- A. Data ONTAP version
- B. current data layout (RAID groups, aggregates, volumes, etc...)
- C. storage system name and IP
- D. host power cables and power usage

Correct Answer: D

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#### QUESTION 15

You have a Windows 2003 host using the NetApp ONTAP DSM MPIO environment with a FAS6000 high availability configuration running single image cfmode. When you disconnect a cable from the FC switch to a storage target port, how will the I/O fail over?

- A. I/O will fail over to any port on the original controller but NOT on the partner controller that is part of the associated portset. Choice of path will be controlled by the host's MPIO weighting table.
- B. I/O will fail over to any port on either controller that is part of the associated portset. Choice of path will be controlled by the host's MPIO weighting table.
- C. I/O will fail over to any port on the original controller that is part of the associated portset. Choice of path will be controlled by NetApp storage system igroup settings.
- D. I/O will fail over to any port on either controller that is part of the associated portset. Choice of path will be controlled by NetApp storage system igroup settings.

Correct Answer: B