NS0-506^{Q&As}

NetApp Certified Implementation Engineer - SAN, Clustered Data ONTAP

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QUESTION 1

A customer is experiencing slower than expected performance on a database connected to an iSCSI LUN. They are surprised that performance has decreased even though they have upgraded from a 1 GB to a 10 GB switch.

What are three causes for this problem? (Choose three.)

A. Spanning Tree is incorrectly configured on the cluster nodes.

B. There is a faulty cable or SFP in the data path.

C. There is an MTU mismatch between the hosts, controllers, and switch.

D. Flow control is incorrectly set on either the host or controllers.

E. Routing is not set up between the iSCSI and cluster networks.

Correct Answer: ABC

QUESTION 2

You are verifying multipathing from the host to the storage controller. Which three components should you verify? (Choose three.)

A. Verify that all switch ports connected to the hosts and storage devices are online using the vendor\\'s GUI.

B. Verify that both FC HBA ports in the host are online using the HBA vendor\\'s GUI.

C. Verify that the FC HBAs WWNN\\'s are in the igroup in the SVM.

D. Verify that the SVM\\'s LIFs being used for multipathing are attached to the correct same physical FC port.

E. Verify that the storage controller FC target ports status are online with the switch port showing the FC switch to which they are connected.

Correct Answer: ADE

QUESTION 3

What does Selective LUN Mapping (SLM) do?

A. It automates igroup creation.

B. It allows the node and its HA partner to create zones on the SAN fabric to automate LUN mapping.

C. It makes a LUN accessible only through paths on the node owning the LUN and its HA partner.

D. It allows the administrator to automatically create LUNs using SnapDrive for Windows and SnapDrive for UNIX.

Correct Answer: C

QUESTION 4

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 5

Exhibit

cl01::>iscsi portal show Logical Status CurrCurr Vserver Interface TPGT Admin/Oper IP Address Node Port Enabled

svm1 1-a 1035 up/up

192.168.1.66 cl01-01 e0a true svm1 1-b 1051 up/up

192.168.1.67 cl01-01 e0b true svm1 2-a 1046 up/down

192.168.1.68 cl01-02 e0a true svm1 2-b 1052 up/up

192.168.1.69 cl01-02 e0b true

Referring to the exhibit, which action would you take to troubleshoot the iscsi-2-a interface?

A. Verify that the iSCSI protocol is licensed for svm1.

B. Cycle the upstream switch port down and back up again.

C. Verify network connectivity between the host and LIF.

D. Verify that the iSCSI protocol is started on svm1.

Correct Answer: B

QUESTION 6

Exhibit

You currently have the following configuration on your cluster:

cl01::>igroup show -instance Vserver Name: svm1 Igroup Name: ig2 Protocol: mixed OS Type: linux Portset Binding Igroup: -Igroup UUID: 3fb136c7-cfd6-11df-a9ab-123478563412

Initiators:

What must you do to limit the LIFs that are used by an initiator to access a LUN?

A. Create a portset.

B. Create an additional igroup.

C. Change the protocol to iSCSI.

D. Change the OS type to windows_gpt.

Correct Answer: A

QUESTION 7

A customer has a 4-node cluster and wants to use iSCSI for LUN traffic. Which license needs to be installed on the nodes?

A. iSCSI

B. SnapRestore

C. CIFS

D. FC

Correct Answer: A

QUESTION 8

Microsoft ODX supports which scenario on clustered Data ONTAP 8.3?

A. moving a VHDX with both SMB 3.0 and SAN protocols as either source or destination

B. moving a VHDX from an SMB 3.0 source to an SMB 3.0 destination with no SAN support

C. moving a VHDX from a SAN LUN source to a SAN LUN destination with no SMB support

D. moving a VHDX with both SMB 2.1 and SAN protocols as either source or destination

Correct Answer: D

QUESTION 9

On a Windows 2012 Server, the FC load balance policy is configured using which two utilities? (Choose two.)

A. NetApp OnCommand System Manager

B. Data ONTAP DSM for Windows MPIO

C. Windows MPIO

D. Unified Host Utilities

Correct Answer: BD

QUESTION 10

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

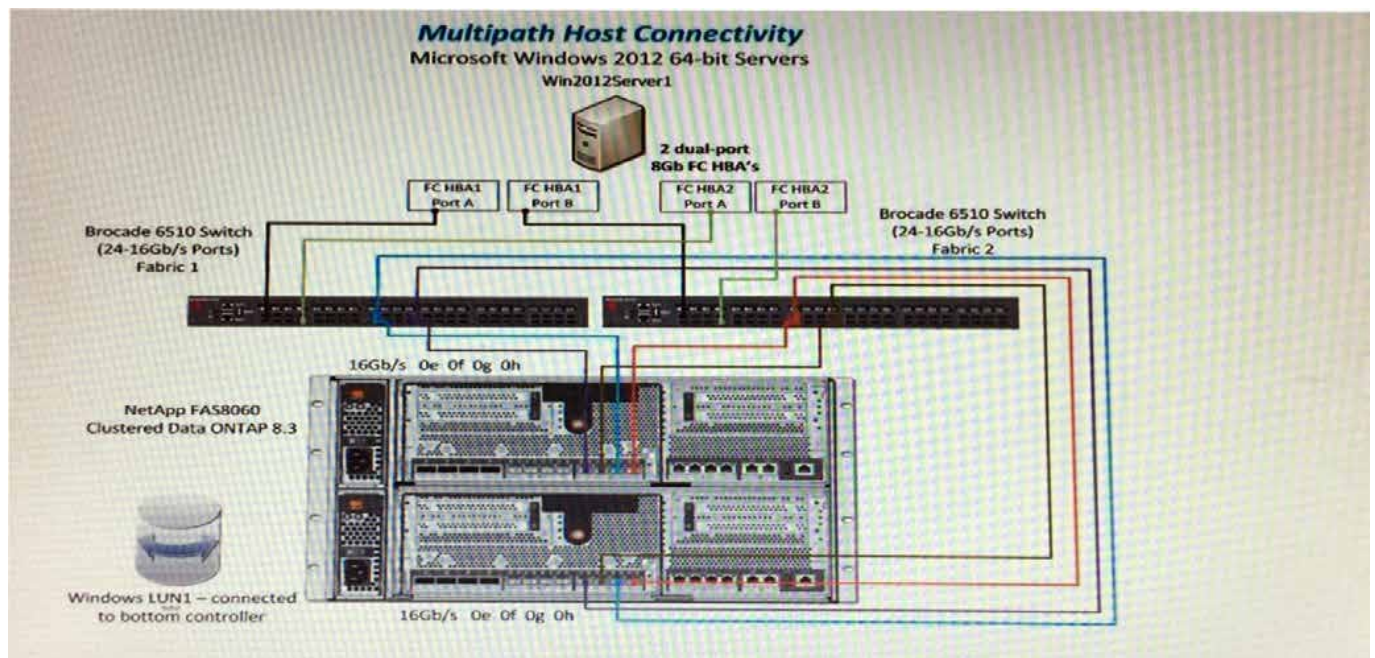D. the type of Ethernet switch

E. the clustered Data ONTAP version

Correct Answer: CDE

QUESTION 11

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 12

Which protocol allows to access a controller\\\'s CLI interface?
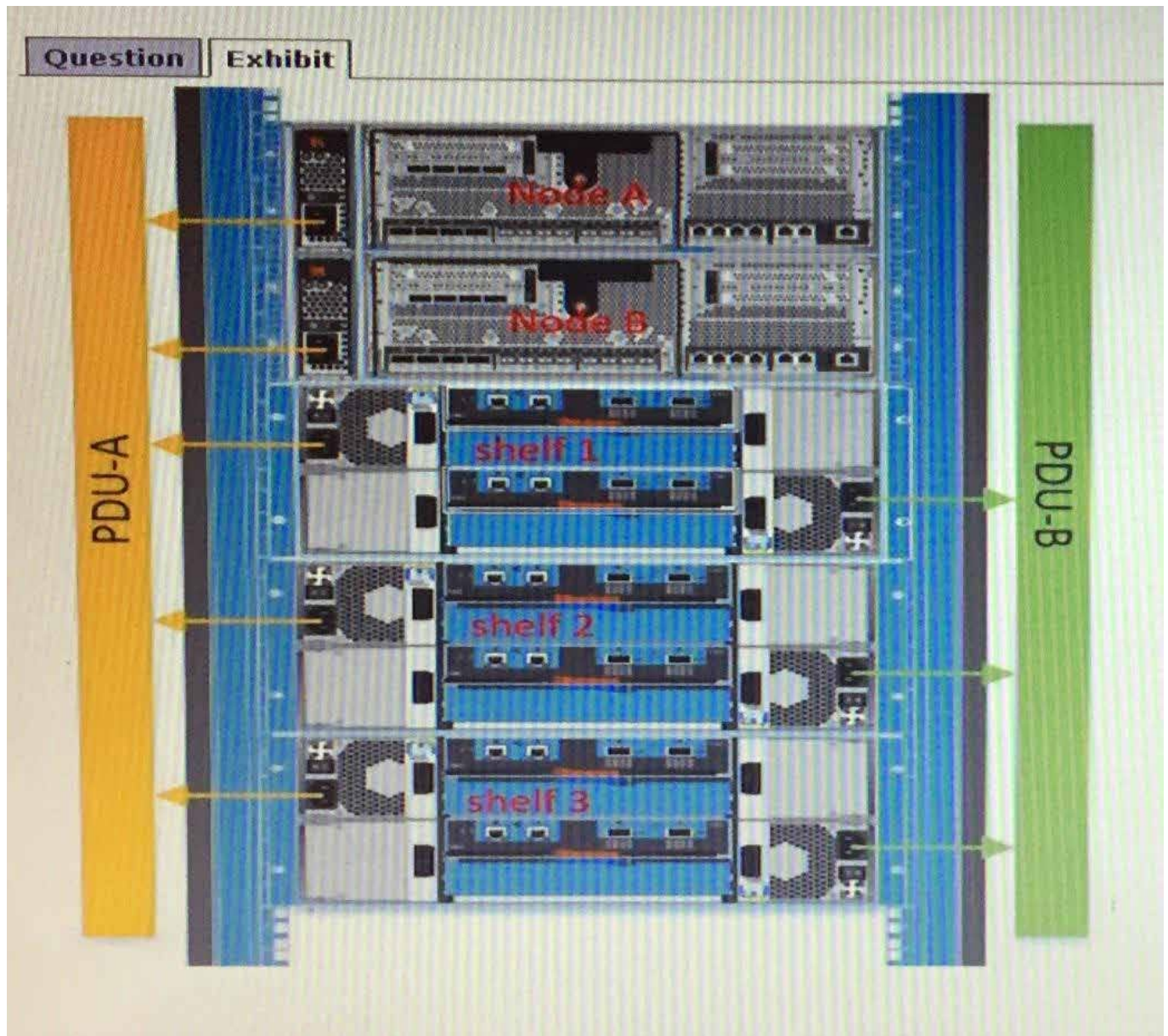
A. SSH

B. NTP

C. TFTP

D. IMAP

Correct Answer: A

QUESTION 13

Click the Exhibit button.

Referring to the diagram shown in the exhibit, what will happen if PDU-B fails?

Exhibit:

A. Both Node A and Node B will remain online and all disk shelves will remain online.

B. Both Node A and Node B will remain online, but all disk shelves will immediately lose power and become inaccessible.

C. Both Node A and Node B will immediately lose power and become inaccessible.

D. Node A will immediately lose power and become inaccessible. Node B will remain online.

Correct Answer: A

QUESTION 14

A customer has recently deployed a clustered Data ONTAP 8.3 system and is trying to mount LUNs to a Windows 2012 Server using the iSCSI protocol. They are using Cisco Nexus 5548 network switches and the network administrator has informed the storage administrator that the ports are set to switchport mode trunk. The storage administrator has also

been informed that the host and storage should be using VLAN 400 for iSCSI traffic. When the storage administrator attempts to add the SVM as an iSCSI target, it fails to connect.

What is causing the problem?

A. The storage administrator has not enabled VLAN tagging on the storage ports.

B. Clustered Data ONTAP 8.3 does not support the iSCSI protocol on a VLAN tagged interface.

C. Windows 2012 Server does not support the iSCSI protocol on a VLAN tagged interface.

D. Clustered Data ONTAP 8.3 does not support running iSCSI on a VLAN ID below 1024.

Correct Answer: A

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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