

NetworkAppliance.NS0-520.v2022-01-27.q108

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https://www.freepdfdumps.com/NetworkAppliance.NS0-520.v2022-01-27.q108.html	

NEW QUESTION: 1

Referring to the exhibit, which two elements are required for NVMe host access with ONTAP 9.5 and using supported AFF nodes? (Choose two.)

- A. You must have the license installed for FC support in the cluster.
- B. You need 16 Gb FC HBAs installed in the AFF nodes.
- C. You need 32 Gb FC HBAs installed in the AFF nodes.
- D. You must have the license installed for NVMe support in the cluster.

Answer: A,C ([LEAVE A REPLY](#))

NEW QUESTION: 2

Click the Exhibit button.

```
switch(config)# show flogi database
INTERFACE VSAN FCID      PORT NPIV NODE NAME
fc3/3      10      0x680000 10:00:00:00:c9:43:f2:9e 20:00:00:00:c9:43:f2:9e
vfc1       10      0x3b0000 50:0a:09:81:87:09:3d:96 50:0a:09:80:87:09:3d:96
vfc1       10      0x3b0001 20:1b:00:a0:98:13:d5:d4 20:21:00:a0:98:13:d5:d4
Total number of flogi= 3.
```

Referring to the exhibit, which WWPN would you add to a zone set to provide access to a LUN hosted in ONTAP?

- A. 20:1b:00:a0:98:13:d5:d4
- B. 10:00:00:00:c9:43:f2:9e
- C. 50:0a:09:81:87:09:3d:96
- D. 20:00:00:00:c9:43:f2:9e

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 3

Which formula is appropriate for calculating target port Queue Depth?

- A. The sum of the Queue Depth setting for all hosts using a physical port
- B. The number of physical ports * 2048
- C. The number of LIFs using a physical port * 256
- D. The number of LIFs using the physical port * Maximum Host HBA Queue Depth setting

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 4

Which four FC fabric topologies does NetApp support? (Choose four.)

- A. eight FC switches with no more than a single ISL between switches in a cascade topology
- B. ten FC switches per fabric, daisy chained with a single ISL between switches
- C. a single FC switch
- D. four FC switches with multiple ISLs between ALL switches
- E. four FC switches with multiple Inter-Switch Links (ISLs) between each pair of switches
- F. dual FC switches with no ISLs
- G. a switched fabric that has 65537 ports

Answer: C,D,E,F ([LEAVE A REPLY](#))

NEW QUESTION: 5

You are setting up FC ports and must configure the speeds for both the SAN and the host ports. In this scenario, which statement is correct?

- A. Set the target port speed to auto-negotiation.
- B. Set the target port speed lower than the switch port speed.
- C. Set the target port speed higher than the switch port speed.
- D. Set the target port speed to match the switch port speed.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 6

You configured a SAN host with a 4-node ONTAP 9.5 cluster that uses default settings. All paths are available from the host to the four nodes. You have a requirement to see only two paths to each LUN. One path is optimized and the other is non-optimized.

In this scenario, which NetApp SAN feature supports this requirement?

- A. igroups
- B. VLANs
- C. portsets
- D. SLM

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 7

You are planning to expand a SAN-only ONTAP 9.5 cluster that consists of eight AFF A700 nodes.

In this scenario, what is the maximum number of additional AFF A700 nodes that would be added?

- A. 2
- B. 8
- C. 0
- D. 4

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 8

Which two requirements must be satisfied to run an Upgrade Advisor report on a Netapp All SAN Array? (choose two)

- A. The cluster nodes must have a valid support contract
- B. Autosupport must be enabled
- C. The vsadmin account must be enabled
- D. The Connectivity, Liveness, Availability Monitor (CLAM) must be enabled

Answer: A,B ([LEAVE A REPLY](#))

To run Active IQ Upgrade Advisor the cluster must have a valid contract, and this tool gets information from Autosupport Active IQ Digital Advisor shows systems with a valid support contract.

You can find more information on this link:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/How_does_Active_IQ_Upgrade_Advisor_help_to_perform_an_ONTAP_upgrade_or_revert_%3F

NEW QUESTION: 9

A customer is planning to connect a Linux server to a FAS8200 using Brocade FC switches. During the initial configuration, the SVM does not log in to the fabric.

Which two statements are correct in this scenario? (Choose two.)

- A. The switch port topology is set incorrectly to the E_Port.
- B. NPIV has not been enabled on the switches.
- C. ALUA has not been set up on the FAS8200.
- D. Zoning is incorrectly configured between the Linux server and the ONTAP cluster.

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 10

You want configure namespaces to support NVMe over Fibre Channel (NVMe/FC) using ONTAP 9.8. Which action will accomplish this task?

- A. Add FC to the list of SVM protocols
- B. Remove any protocols from the SVM before adding the NVMe protocol
- C. Enable ALUA on the namespaces that should use the NVMe protocol
- D. Configure a LIF for the NVMe protocol

Answer: (SHOW ANSWER)

Although ONTAP uses a NVMe/FC LIF that is separate from the FCP LIFs, both LIFs can be hosted on the same physical HBA port at both the host initiator and storage target.

NVMe/FC and FCP can share the same physical infrastructure concurrently, so the same physical port, cable, switch port, and target port can simultaneously host and transmit both FCP and NVMe/FC frames NVMe can use the same FC infrastructure, but it needs to create a separate NVMe LIF to work.

You can find more information on this link:

<https://www.netapp.com/de/media/10681-tr4684.pdf> (14)

NEW QUESTION: 11

Which two scenarios in deploying ONTAP Cloud are supported by the Cloud Manager tool? (Choose two.)

- A. ONTAP Cloud deployed as an HA pair on VMware
- B. ONTAP Cloud deployed as an HA pair on Amazon Web Services
- C. ONTAP Cloud deployed as an HA pair on IBM Cloud
- D. ONTAP Cloud deployed as a single instance on Microsoft Azure

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 12

Exhibit.

	Interface Name	Storage Virtual Mac	IP Address/WWPN	Current Port	Is Home Port	Data Protocol Access
✓	fcpsanluns01prod01p0e	svm_sanluns01	20:00:00:a0:98:9e:f8:55	aff-01:0e	Yes	fcip
✓	fcpsanluns01prod01p0g	svm_sanluns01	20:10:00:a0:98:9e:f8:55	aff-01:0g	Yes	fcip
✗	fcpsanluns01prod01p2a	svm_sanluns01	20:04:00:a0:98:9e:f8:55	aff-01:2a	Yes	fcip
✗	fcpsanluns01prod02p0e	svm_sanluns01	20:11:00:a0:98:9e:f8:55	aff-02:0e	Yes	fcip
✓	fcpsanluns01prod02p0g	svm_sanluns01	20:01:00:a0:98:9e:f8:55	aff-02:0g	Yes	fcip
✗	fcpsanluns01prod02p2a	svm_sanluns01	20:14:00:a0:98:9e:f8:55	aff-02:2a	Yes	fcip

Referring to the exhibit, which FC LIF would cause a path failure on a host connecting to a LUN?

- A. fcpsanluns01ptodOlpo
- B. fcpsanluns01prod02p0g
- C. fcpsanluns01prod02p0g
- D. fcpsanluns01prod02p0e

Answer: D (LEAVE A REPLY)

NEW QUESTION: 13

You have a 4-node FAS8200 A300 cluster that are using ONTAP 9.3 default settings. For faster performance, you move a volume with LUNs from a node on the FAS8200 to a node on the AFF A300. You determine that your SAN host is still using all active/optimized FC paths to the FAS8300 HA pair.

What do you need to troubleshoot to move all active/optimized FC paths to the AFF A300 HA pair?

- A. host MPIO and ALUA
- B. igroup WWPNs
- C. reporting nodes list
- D. LUN mapping

Answer: (SHOW ANSWER)

NEW QUESTION: 14

Click the Exhibit button.

NVMe/FC Cluster Limits	Scope: HA Pair
Maximum number of storage virtual machines (SVMs) - NVMe/FC	32
Maximum number of flexible volumes - NVMe/FC	2,000
Maximum number of namespaces - NVMe/FC	256
Maximum number of subsystems - NVMe/FC	64
Maximum number of subsystem mappings - NVMe/FC	256
Maximum namespace size - NVMe/FC	N/A
Maximum I/O queue depth available - NVMe/FC	N/A
Maximum I/O queue count available - NVMe/FC	N/A
Maximum ITNs - NVMe/FC	N/A
Maximum number of hosts - NVMe/FC	N/A
Maximum number of LIFS - NVMe/FC	32
Maximum number of NVMe/FC controllers	N/A

You have an 8-node AFF A800 ONTAP 9.7 cluster. You have sixteen SVMs that serve NVMe namespaces using two 32 Gb FC ports per AFF A800 controller. Referring to the exhibit, what is the maximum number of NVMe data LIFs that are supported on this cluster?

- A. 32
- B. 16
- C. 64
- D. 128

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 15

You are configuring a 4-node AFF A400 ONTAP 9.8 cluster. The data center switches have limited ports, and you are given one 10-Gigabit Ethernet port per node for external access.

In this scenario, which three protocols share the same physical port? (Choose three)

- A. NVMe/FC
- B. iSCSI
- C. FCoE
- D. Snapmirror
- E. FC

Answer: B,C,D ([LEAVE A REPLY](#))

If we have only ethernet switches available, we can only enable protocols over ethernet such as FCoE, iSCSI and Snapmirror.

NVMe/FC and FC need a SAN Fabric switch to work.

NEW QUESTION: 16

Which option needs to be set on a LUN to guarantee that it cannot be affected by other LUNs in the volume?

- A. LUN Reservation Enabled
- B. Volume Guarantee
- C. Volume Space Reserved
- D. LUN Reservation Disabled

Answer: ([SHOW ANSWER](#)**)**

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https://www.actual4test.com/NS0-520_examcollection.html (236 Q&As Dumps, **30%OFF Special Discount: Freepdfdumps**)

NEW QUESTION: 17

Which NetApp tool provides a detailed inventory of SAN components?

- A. Active IQ OneCollect
- B. Interoperability Matrix Tool
- C. Active IQ config advisor
- D. Hardware Universe

Answer: A ([LEAVE A REPLY](#))

ActiveIQ OneCollect is a tool from NetApp that will create an inventory of your environment that will include hosts, switches and storage and validate it against the IMT (Interoperability Matrix Tool).

NEW QUESTION: 18

An ONTAP administrator is troubleshooting a fabric login issue with a client. The SVM in question uses both FC and NFS protocols.

In this scenario, what would be the least disruptive operation?

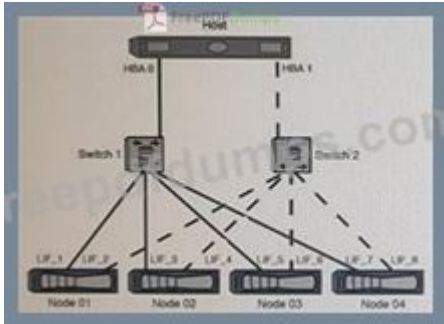
- A. Use ONTAP System Manager to stop and then restart the SVM.
- B. Use the command line to stop and start the FCP service on the cluster.

- C. Use ONTAP System Manager to disable and then re-enable the LIF port in the SVM.
- D. Reboot the Brocade switch.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

Exhibit.



Referring to the exhibit, which type of zoning should be used?

- A. a WWNN with a single initiator and multiple targets
- B. a WWPN with a single initiator and multiple targets
- C. a WWPN with a single initiator and a single target
- D. a WWNN with a single Initiator and a single target

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 20

You are installing a NetApp FAS6040 high availability storage system. Which cfmode should be set to ensure proper failover in an HP-UX environment?

- A. standby
- B. partner
- C. dual_fabric
- D. single system image

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

An administrator is testing a newly deployed SAN configuration and wants to simulate a node failure by administratively taking all FC physical ports down on a node that is serving data.

In this scenario, what should the administrator observe?

- A. Host multipath drivers use the HA partner's direct paths to serve data.
- B. Host multipath drivers use any indirect path on the cluster to serve data.
- C. ALUA path states change to use the direct paths of the HA partner to serve data.
- D. ANA path states change to use the direct paths of the HA partner to serve data.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 22

You are implementing a new AFF A800 HA pair and are required to migrate NetApp E-Series E2624 data to the AFF A800 controllers. You do not have a host server that is available for the migration.

In this scenario, which NetApp migration method is supported?

- A. SnapMirror Synchronous (SM-S)
- B. Foreign LUN Import (FLI)
- C. OnCommand Unified Manager (OCUM)
- D. NetApp Data Availability Services (NDAS)

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 23

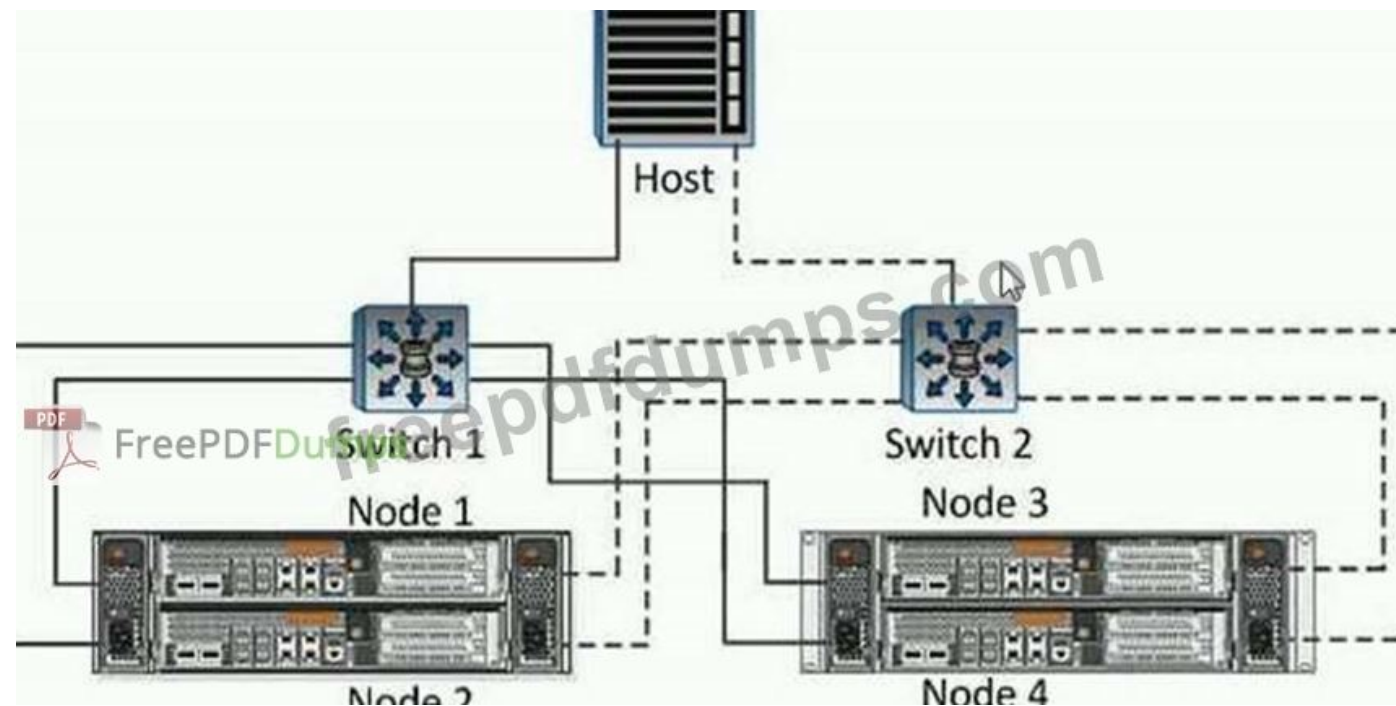
An administrator is planning a hardware refresh and data migration from a Data ONTAP 7.3 system to new AFF A3-00 cluster that is using ONTAP 9.0. The Mode system only serves FC LUNs to a Windows 2012Rs server cluster that needs to remain connected after migration Referring to the scenario, which method would be used for the LUN migration.

- A. Foreign LUN import (FLI)
- B. Oncommand system Manager
- C. 7-Mode Transition Tool (7MIT)
- D. Unified Host Utility Kit

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

Click the Exhibit button.



Referring to the dual-fabric cabling diagram shown in the exhibit, which scenario explains why the customer's iSCSI host experienced a SAN outage with a LUN on Node 2?

- A. iSCSI LIFs were configured on Node 1 and Node 2 only, the SLM reporting nodes list included Node 1 and Node 2, and Switch 1 went down.
- B. iSCSI LIFs were configured on all nodes, the SLM reporting nodes list included Node 1 and Node 2, and Node 1 went down.
- C. iSCSI LIFs were configured on Node 2 only, the SLM reporting nodes list included Node 1 and Node 2, and the cable connecting the host to Switch 1 went bad.
- D. iSCSI LIFs were configured on all nodes, the SLM reporting nodes list included all nodes, and Node 1 and Node 2 went down.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

A customer is deploying a SAN cluster of A700 nodes and wants to ensure that the SAN cluster will maintain a quorum in the event of a rack level power failure. Which two statements are true in this scenario? (choose two.)

- A. Six nodes are required
- B. Four nodes are required
- C. Three racks are required
- D. Two racks are required

Answer: A,C ([LEAVE A REPLY](#))

The quorum rule states that to make changes to the configuration in our cluster, we need to have more than half of the nodes available. This prevents configuration conflicts if we lose connectivity between the nodes in our cluster.

So, if we have only 2 racks and 4 nodes we could never get more than half of the nodes available if one of those racks power fails.

We need 6 nodes separated on 3 racks, so we can have more than half of the nodes available if one of those racks power fails.

NEW QUESTION: 26

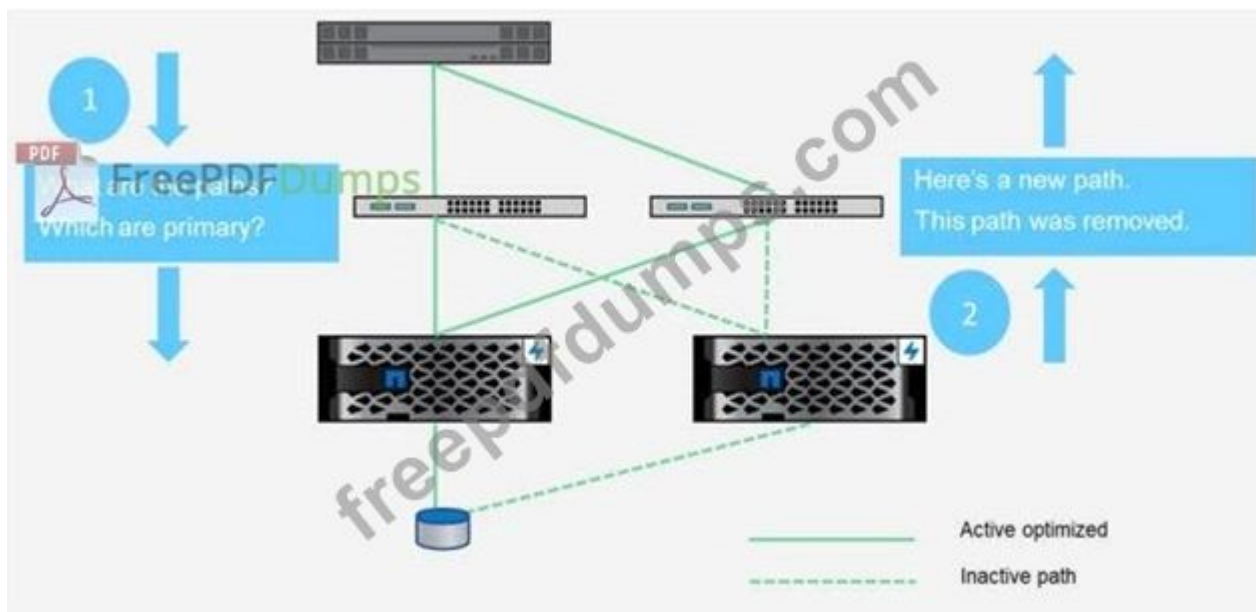
You upgraded your Linux hosts to SUSE Enterprise Linux 15. In this scenario, which two actions should you perform before you test asymmetric namespace access (ANA)? (Choose two)

- A. Verify if the NVMe service has started
- B. Verify if the LUNs and namespaces are in the same volume.
- C. Verify if the version of Netapp ONTAP software is 9.5 or later
- D. Verify if there is only one LIF in the SVM

Answer: A,C ([LEAVE A REPLY](#))

ONTAP 9.5 Introduces ANA

Figure 12) NVMe/FC Storage Failover: ONTAP 9.5 introduces ANA.



<https://www.netapp.com/de/media/10681-tr4684.pdf>

NEW QUESTION: 27

You want to move a SAN LIF and preserve its configuration information and avoid rezoning the switch fabric. In this scenario, which two steps must be performed to fulfill this goal? (Choose two)

- A. Move the SAN LIF to another node in a cluster on a different storage virtual machine (SVMs)

- B. Keep the SAN LIF online before it is moved
- C. Take the SAN LIF offline before it is moved
- D. Move the SAN LIF to another node in a cluster on existing storage virtual machine (SVMs)

Answer: (SHOW ANSWER)

Moving SAN LIFs

If a node needs to be taken offline, you can move a SAN LIF to preserve its configuration information, such as its WWPN, and avoid rezoning the switch fabric. Because a SAN LIF must be taken offline before it is moved, host traffic must rely on host multipathing software to provide nondisruptive access to the LUN. You can move SAN LIFs to any node in a cluster, but you cannot move the SAN LIFs between storage virtual machines (SVMs).

You can find more information on this link:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanag%2FGUID-09F5C2A3-FA66-4252-BEEF-D556A143CD30.html>

NEW QUESTION: 28

An administrator has migrated an iSCSI LUN with Foreign LUN Import (FLI) tool. The migrated LUN is presented on the new system, but it is not visible to the host. In this scenario which additional action must be completed to make the LUN visible?

- A. Bind the igroup to a port set
- B. Install ANA software on the host
- C. Stop the FCP service
- D. Map the LUN to an iSCSI igroup

Answer: D (LEAVE A REPLY)

Installing ANA is related with NVMe protocol

Binding an igroup to a port set will only limit our paths

Stopping the FCP service will not affect anything, because this is an iSCSI LUN. When you migrate iSCSI using FLI, you need to map the LUNs to an igroup where the destination arrays are added, after the LUN has been imported, you can create a new iSCSI igroup and add the hosts to the igroup. You can find more information on this link:

<https://www.netapp.com/pdf.html?item=/media/17060-tr4380pdf.pdf> (page 71)

NEW QUESTION: 29

You are planning to install a new AFF All SAN Array A250 system and want to use persistent ports. In this scenario, what should be identical within the HA pair?

- A. FCP port MTU size
- B. FCP Port
- C. FCP port names
- D. FCP port LIF WWNN-based zoning

Answer: C (LEAVE A REPLY)

Persistent ports are introduced with ONTAP 9.8 on ASA. When a node is upgraded to ONTAP 9.8, this feature is enabled by default.

Best practices for persistent ports require that FCP port characteristics must be identical within the HA pair:

- FCP port counts
- FCP port names
- FCP port speeds
- FCP LIF WWPN-based zoning
- Both the active and shadow LIF need to be in the same zone with the initiator

You can find more information on this link:
<https://www.netapp.com/pdf.html?item=/media/10379-tr4515.pdf&v=20217121554> (11)

NEW QUESTION: 30

A customer wants to move its iSCSI SAN data from the edge locations into the cloud for data analytics, while keeping the ability to access modify the data. Which two combined solutions meet the customer's requirements in this scenario? (Choose two.)

- A. Use Microsoft Azure compute resources to access the near cloud AFF SnapMirror data for analytics.
- B. Use Amazon Web Services (AWS) compute resources to access ONTAP Select data at the edge office locations for analytics.
- C. Deploy ONTAP Cloud at edge locations find use SnapVault to move the data into an AFF on-premises data center.
- D. Deploy ONTAP Select at edge locations and use SnapMirror to move the data to AFF near cloud with the NetApp Private Storage (NPS) service.

Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 31

Click the Exhibit button.

ctet Speed Combo	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
peed	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
L_PA Offset 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
runk Port	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
ong Distance	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
C Link Init	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ocked L_Port	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ocked G_Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
isabled E_Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ocked E_Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SL R_RDY Mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SCN Suppressed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ersistent Disable	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OS TOV mode	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIV capability	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
PIV PP Limit	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	12
PIV FLOGI Logout	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OS Port	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE
X Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
irror Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
redit Recovery	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
port Buffers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
port Credits	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ort Auto Disable	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SCTL mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-Port mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-Port over DWDM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ompression	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ncryption	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
0G/16G FEC	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
6G FEC via TTS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ault Delay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DZ mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
lean Address Bit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

An administrator enabled the FC protocol on an SVM and created a LUN for a Windows Server 2019 server. After a rescan, the LUN is not visible on the host. Referring to the exhibit, which two steps must the administrator take to solve this problem? (Choose two.)

- A. Disable NPIV on the switch.
- B. Create an igroup, add the WWPN of the host initiator, and then map the igroup to the LUN.
- C. Create an igroup, add the iSCSI IQN, and then map the igroup to the LUN.

D. Enable NPIV on the switch.

Answer: B,D ([LEAVE A REPLY](#))

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NEW QUESTION: 32

Which FC service is used by a host for discover service to locate FC targets that are available?

- A. The fabric configuration server
- B. The fabric name service
- C. The fabric zone server
- D. The fabric security server

Answer: B ([LEAVE A REPLY](#))

When a node is connected to the FC SAN, each SVM registers the World Wide Port Name (WWPN) of its LIF with the switch Fabric Name Service.

You can find more information on this link:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanag%2FGUID-6DDD6DEC-B3B2-482E-AB56-08641D35222E.html>

NEW QUESTION: 33

Which two features does Assymmetric Namespace Access (ANA) support? (Choose two.)

- A. path management
- B. multipathing
- C. LUN masking
- D. LUN hosting

Answer: (SHOW ANSWER)

NEW QUESTION: 34

You have deployed a FAS8300 system and wait to enable SAN protocols. In this scenario, which two protocols are available to serve SAN data? (Choose two)

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

Answer: B,D ([LEAVE A REPLY](#))

			
	FAS9000	FAS8700	FAS8300
PER HA PAIR SPECIFICATIONS (ACTIVE-ACTIVE DUAL CONTROLLER)			
Raw Capacity Maximum Base-10 Base-2	11.5PB 10.2PiB	14.6PB 13.0PiB	14.6PB 13.0PiB
Storage Network Supported Protocols	FC, FCoE, iSCSI, NFS, pNFS, SMB	FC, iSCSI, NFS, pNFS, SMB	FC, iSCSI, NFS, pNFS, SMB

You can find more information on this link:

<https://hww.netapp.com/Resources/Posters/POSTER-NA-380-1019.pdf?tag=8070>

NEW QUESTION: 35

Click the Exhibit button.

```
switch:admin> fabricshow
```

Switch ID	Worldwide Name	Enet IP Addr	FC IP Addr	Name
1: fffc01	10:00:00:05:1e:02:0e:de	10.246.54.240	0.0.0.0	"sw4"
2: fffc02	10:00:00:05:1e:02:93:75	10.246.54.241	0.0.0.0	"sw10"
4: fffc04	10:00:00:05:1e:44:b6:00	10.246.54.79	10.10.10.10	>"sw6"
5: fffc05	10:00:00:60:69:06:56	10.246.54.23	0.0.0.0	"sw5"

The Fabric has 4 switches

Referring to the exhibit, which switch in the fabric is the principal switch?

- A. sw6
- B. sw4
- C. sw10
- D. sw5

Answer: (SHOW ANSWER)

NEW QUESTION: 36

You have deployed an AFF 400 systems for iSCSI workloads and want to ensure maximum performance to the hosts.

In this scenario, which two steps should be configured? (Choose two)

- A. Enable Jumbo frames on the network switch
- B. Enable Jumbo frames on the LIF
- C. Enable Jumbo frames on the broadcast domain
- D. Enable Jumbo frames on the IPspace

Answer: A,C (LEAVE A REPLY)

Changing the Network port settings at the broadcast domain level will change all ports in that broadcast domain sequentially, or one at the time. This will only cause a disruption if the port is a single point of failure.

Enable jumbo frames (typically MTU of 9000). All devices in the data path, including initiators, targets, and switches, must support jumbo frames. Otherwise, enabling jumbo frames actually reduces network performance substantially.

You can find more information on this link:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/How_to_enable_jumbo_frames_in_ONTAP_9_and_clustered_Data_ONTAP_8.3

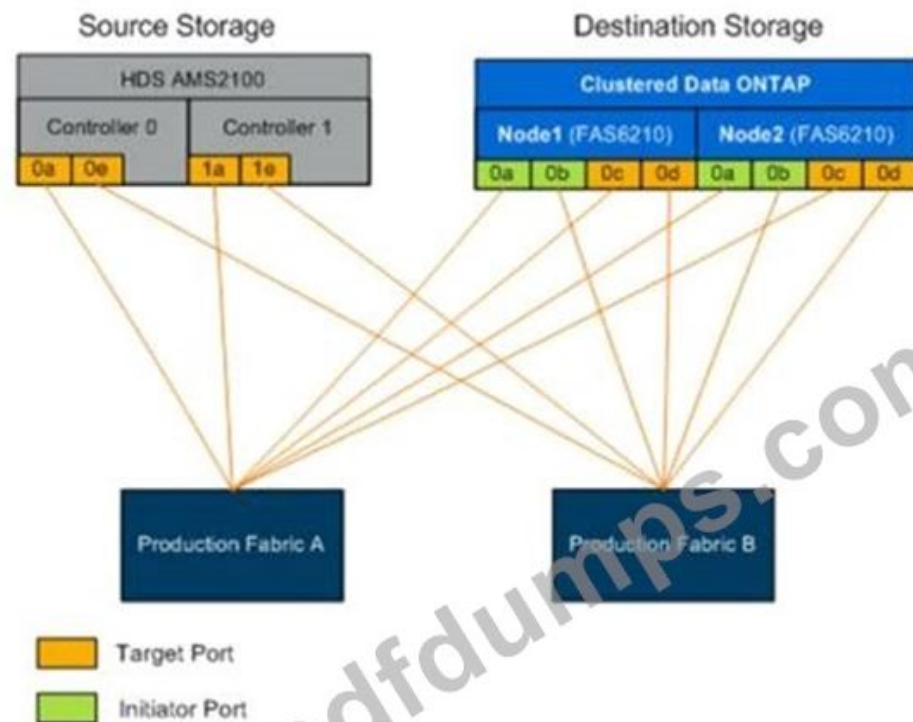
NEW QUESTION: 37

You need to migrate boot LUNs from a third-party array onto a Netapp FAS8700. Which three actions are required to complete this task? (choose three)

- A. Reboot the third-party SAN to prepare for the LUN Import
- B. Verify third-party array support by using the Interoperability Matrix Tool (IMT)
- C. Convert every FC target port on each controller to an FC initiator port
- D. Convert a single FC port on each controller to an FC initiator port
- E. Create zoning between the third-party array to the FAS8700

Answer: B,D,E (LEAVE A REPLY)

We only need to convert one FC to initiator per node, if you need to enable multipath with 2 switches, then you need 2 ports on initiator mode per node



A standard migration scenario using FLI requires four distinct zones:

- Zone 1: Source storage to destination storage (production fabric A)
- Zone 2: Source storage to destination storage (production fabric B)
- Zone 3: Host to destination storage (production fabric A)
- Zone 4: Host to destination storage (production fabric B)

NEW QUESTION: 38

Click the Exhibit button.

The screenshot shows two command-line outputs from a SAN cluster. The first output is from the 'lun mapping show' command, displaying a table with columns: vservers, path, igroup, lun-id, and reporting-nodes. The second output is from the 'lun show' command, displaying a table with columns: Vserver, Path, State, Mapped, Type, and Size.

vservers	path	igroup	lun-id	reporting-nodes
SAN_Default_SVM	/vol/host1/lun0	linux1	0	node-01,node-02
SAN_Default_SVM	/vol/host2/lun1	linux2	1	node-01,node-02
SAN_Default_SVM	/vol/host2/lun2	linux2	2	node-03,node-04

Vserver	Path	State	Mapped	Type	Size
SAN_Default_SVM	/vol/host1/lun0	offline	mapped	linux	10MB
SAN_Default_SVM	/vol/host2/lun1	online	mapped	linux	47.07MB
SAN_Default_SVM	/vol/host2/lun2	online	mapped	linux	50MB

Referring to the exhibit, which step must be performed to make LUN lun0 available to hosts in igroup linux1?

- A. node-03 and node-04 must be added to the list of reporting nodes.
- B. lun0 must be mapped to linux1.
- C. lun0 must be brought online.
- D. node-01 and node-02 must be removed from the list of reporting nodes.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 39

In a Linux environment, issues are reported concerning multipathing. You want to view the direct and indirect paths. In this scenario, which command would you use to accomplish this task?

- A. Use the lspci command
- B. Use the systemctl command
- C. Use the ifconfig command
- D. Use the sanlun command

Answer: D (LEAVE A REPLY)

```
[root@root~]# sanlun lun show -p
```

```
Vserver1:/vol/volname/lun2
```

```
ONTAP Path: Vserver1:/vol/volname/lun2
```

```
LUN: 1
```

```
LUN Size: 200g
```

```
Host Device: 360a990003246665c422b397a54625875
```

```
Mode: C
```

```
Multipath Policy: round-robin 0
```

```
DM-MP Features: 1 queue if no path
```

```
Hardware Handler: 1 alua
```

```
Multipath Provider: Native
```

```
-----  
host      vserver      host:  
dm-mp     path      path      /dev/     chan:      vserve  
r          state      type      node      id:lun     major:     LI  
F          F          minor  
-----  
-----
```

```
active     up          primary    sdd        9:0:0:1    fcp_lif  
1          8:48  
active     up          primary    sdp        10:0:2:1   fcp_lif  
2          8:240  
active     up          secondary  sdf        9:0:1:1    fcp_lif  
3          8:80  
active     up          secondary  sdr        10:0:3:1   fcp_lif  
4          65:16
```

NEW QUESTION: 40

A storage administrator is setting up a Red Hat Enterprise Linux 8.1 system to use NVMe storage in ONTAP 9.7.

In this scenario, which action is required?

A. Load the FC HBA drivers.

- B. Load the Ethernet drivers.
- C. Set up ALUA.
- D. Set up the Red Hat auto mounter.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 41

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 LUNs that use under 5000 IOPS are moved to a FAS8200 using the lun move command.

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

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

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 42

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

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

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 43

You are deploying an 8-node FAS8200 ONTAP cluster and attaching to an existing FC fabric.

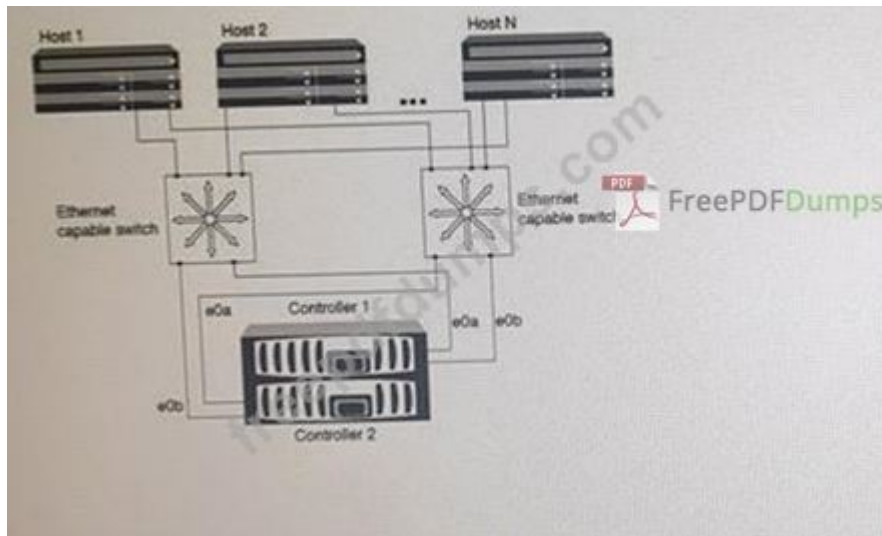
Which two ONTAP features would be used to restrict or limit the available paths seen from the host? (Choose two.)

- A. igroup
- B. Selective IUN Map
- C. port sets
- D. VIAN

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 44

Exhibit.



Referring to the exhibit. What are two viable scenarios to test LUN multipathing on Host 1?
(Choose two.)

- A. Reboot Host 1.
- B. Disconnect one of the host cables.
- C. Reboot one of the switches.
- D. Disable one of the FC LIFs on Controller 1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

A customer needs to change ports 0e and 0f on AFF_1 to support FC.

Referring to the exhibit, which three steps are required to accomplish this task? (Choose three.)

- A. Reboot the node.
- B. Issue the `ucadmin modify -node AFF_1 -adapter 0e -mode FC -type initiator` command.
- C. Take ports 0e and 0f offline.
- D. Issue the `ucadmin modify -node AFF_1 -adapter 0e -mode FC -type target` command.
- E. Restart the FC service.

Answer: B,C,E ([LEAVE A REPLY](#))

NEW QUESTION: 46

A customer has an existing legacy iSCSI storage environment that is connected to upstream network switches with various Windows hosts. The customer wants to purchase a new Netapp array to migrate their data. In this scenario which two tools would help to validate the prerequisites for this Netapp configuration? (choose two)

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

Answer: A,B ([LEAVE A REPLY](#))

ActiveIQ OneCollect is a tool from NetApp that will create an inventory of your environment that will include hosts, switches and storage and validate it against the IMT (Interoperability Matrix Tool).

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https://www.actual4test.com/NS0-520_examcollection.html (236 Q&As Dumps, **30%OFF** Special Discount: **Freepdfdumps**)

NEW QUESTION: 47

Exhibit.



Port Address	Description	Max Data Rate	Port Icon	Port Type
0x	Serial-Attached SCSI	SAS: 6/12 Gbps	Cable	MiniSAS HD
0x	Serial-Attached SCSI	SAS: 6/12 Gbps	Cable	MiniSAS HD
0x	Ethernet	ETH: 10 Gbps	Ethernet	SFP+
0x	Ethernet	ETH: 10 Gbps	Ethernet	SFP+
0x0c	Unified Target Adapter 2	ETH: 1/10 Gbps FC: 4/8/16 Gbps	Ethernet/Fibre Channel	SFP+
0x0d	Unified Target Adapter 2	ETH: 1/10 Gbps FC: 4/8/16 Gbps	Ethernet/Fibre Channel	SFP+
0x0e	Unified Target Adapter 2	ETH: 1/10 Gbps FC: 4/8/16 Gbps	Ethernet/Fibre Channel	SFP+
0x0f	Unified Target Adapter 2	ETH: 1/10 Gbps FC: 4/8/16 Gbps	Ethernet/Fibre Channel	SFP+
0x010	Management	ETH: 10/100/1000 Mbps	Standard	RJ45
0x011	Serial Console	RS-485: 115200 bps	Serial Interface	RJ45
0x012	USB Serial Console	USB: 12 Mbps	USB 2.0	MiniUSB Type-B

An administrator has an AFF A200 HA pair.

Referring to the exhibit, how many 10 Gbps connections would the customer have on a single node for SAN host connectivity?

- A. 2
- B. 7
- C. 6
- D. 4

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 48

You create a new iSCSI SVM and secure iSCSI sessions by using both Challenge-Handshake Authentication Protocol (CHAP) and iSCSI Access Control Lists (ACL).

In this scenario, in which two ways are you securing your iSCSI implementation? (Choose two.)

- A. iSCSI ACLs are applied to the initiator configuration to provide an IP address of the targets.
- B. iSCSI ACLs are applied to the target configuration to provide an IP address of the initiators.
- C. CHAP creates a hash value for the username and shared secret.
- D. CHAP encrypts all iSCSI session I/O.

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 49

An administrator wants to connect a DS460C disk shelf to a FAS9000.

Which two statements are correct in this scenario? (Choose two.)

- A. A C19/C20 power cable and compatible rack power distribution unit are required.
- B. A Telco rack is required
- C. A C13/C14 power cable and compatible rack power distribution unit are required.
- D. A deep rack is required

Answer: A,D ([LEAVE A REPLY](#))

NEW QUESTION: 50

What are two examples of supported NetApp FC configurations? (Choose two.)

- A.** a single switched environment with a NetApp node connected to only one host
- B.** a single NetApp node directly connected to multiple hosts
- C.** a single NetApp node directly connected to a single host
- D.** a dual switched environment with a NetApp node connected to multiple hosts

Answer: A,D ([LEAVE A REPLY](#))

NEW QUESTION: 51

You are testing iSCSI LUN failover across a 4-node FAS9000 fabric-attached MetroCluster configuration.

In this scenario, which front end configuration is required for non-disruptive host LUN failover between sites?

- A.** ipv6
- B.** a stretched VSAN
- C.** an intercluster LIF
- D.** a stretched Layer 2 network

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

You need to move a LUN non-disruptively from an AFF A200 HA pair to an AFF A700 HA pair within the same 4-node cluster using the steps shown below.

1. Scan the host OS to discover all paths to the LUN.
2. Execute the lun move command to move the LUN to the AFF A/00 HA pair.
3. Remove the AFF A200 HA pair from the reporting-nodes list.
4. Add the AFF A700 HA pair to the reporting-nodes list.

What is the correct sequence in performing, these steps?

- A.** 4. 1, 2, 3
- B.** 1, 2, 3. 4
- C.** 3, 2, 1,4
- D.** 4, 3. 2. 1

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 53

An administrator has a new AFF A220 system with two DS224C disk shelves and wants to validate if the shelf cabling is correct.

Which resource would be used to accomplish this task?

- A.** Config Advisor
- B.** Interoperability Matrix Tool (IMT)
- C.** OneCollect
- D.** OnCommand Unified Manager (OCUM)

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 54

Click the Exhibit button.

Question Exhibit

```
STL-CL02::> igroup show -fields igroup, protocol, ostype, portset
Vserver      igroup      Protocol  ostype  portset
-----
svm1         ps2             fcp       windows ps2

STL-CL02::> lun portset show
Vserver      Portset      Protocol Port Names      Igroup
-----
svm1         ps2          fcp       lif_node01_of, lif_node01_0g, lif_node02_of,
lif_node02_0g, lif_node03_of, lif_node03_0g, lif_node04_of, lif_node04_0g
ps2

1 entries were displayed.

Zone Name Zone Member(s)
node01_of_0g 10:00:00:00:c9:b8:9d:2c 50:0a:09:81:98:7a:91:7b 50:0a:09:8a:88:7a:91:7b
node02_of_0g 10:00:00:00:c9:b8:9d:2c 50:0a:09:82:98:7a:91:7b 50:0a:09:8b:88:7a:91:7b
node03_of_0g 10:00:00:00:c9:b8:9d:2c 50:0a:09:83:98:7a:91:7b 50:0a:09:8c:88:7a:91:7b
node04_of_0g 10:00:00:00:c9:b8:9d:2c 50:0a:09:84:98:7a:91:7b 50:0a:09:8d:88:7a:91:7b
node05_of_0g 10:00:00:00:c9:b8:8c:63 50:0a:09:85:88:7a:91:7b 50:0a:09:8e:88:7a:91:7b
node06_of_0g 10:00:00:00:c9:b8:8c:64 50:0a:09:86:88:7a:91:7b 50:0a:09:8f:88:7a:91:7b
```

A 4-node cluster was expanded with two new nodes (Nodes 5 and 6). You are now attempting to set up four FC LUNs on the two new nodes that use the ps2 igroup name, although FC ping works. LUNs on the previous four nodes are discoverable, but the four new LUNs on the new controllers are not discoverable.

Referring to the exhibit, what is the problem?

- A. Igroup ps2 has the portset configured with the LIFs.
- B. The zones between the hosts and LIFs are from node-05 and node-06.
- C. Selective LUN Mapping (SLM) is not configured for this HA pair.
- D. The portset must be configured to reflect Nodes 5 and 6.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 55

An administrator has a 2node AFF ONTAP cluster named cl1. A Windows 2016 server has 10 FC LUNs mapped from the cluster, and the administrator can multiple paths to each LUN. During a scheduled storage failover, node cl1-02 took over cl1-01, and Windows server lost connectivity to all mapped LUNs but reestablished connectivity after the giveback operation finished.

In the scenario, what would cause the LUN connectivity outage?

- A. NPIV is not enabled on the switches.
- B. Switch zoning does not exist between the host initiator ports and the data LIFs that reside on node cl1-02.
- C. Multipathing software is not installed on the host.
- D. Switch zoning does not exist between the host initiator ports and the data LIFs that reside on node cl1-01.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 56

Your server administrator upgraded a Windows 2016 Server from 16 Gb to 32 Gb HBAs. The application owner is now reporting slower performance to the AFF A700.

Which two actions will help troubleshoot performance on the server? (Choose two.)

- A. Confirm that Windows Host Utilities Is installed.
- B. Verify the HBA model using Hardware Universe.
- C. Confirm that LUN mapping exists.

D. Verify the HBA firmware using the Interoperability Matrix Tool.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 57

What are two benefits of implementing VLANs for iSCSI configuration? (choose two)

- A.** Reduced number of broadcast domains
- B.** Increased performance
- C.** Increased security
- D.** Increased resiliency

Answer: ([SHOW ANSWER](#))

When you implement VLANs in large IP network infrastructures, you derive the following benefits:

Increased security.

VLANs enable you to leverage existing infrastructure while still providing enhanced security because they limit access between different nodes of an Ethernet network or an IP SAN.

You can find more information on this link:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanconf%2FGUID-C5288E55-DAED-4050-84A2-71BF13BC6556.html>

NEW QUESTION: 58

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

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

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 59

While expanding a 200 GB LUN in an ONTAP 9.4 system, the following error is observed:

```
cluster1::*> lun resize -path /vol/lun_vol/lun -size +3T
```

```
Error: command failed: New size exceeds this LUN's initial geometry
```

What is the cause of this error?

- A.** The volume auto-grow is disabled.
- B.** The LUN can be expanded up to 10 times its original size.
- C.** The LUN reached maximum capacity.
- D.** Space reservation is enabled.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 60

A customer wants to deploy NVMe/FC along with an existing FC SAN fabric using ONTAP 9.8. In this scenario, which two actions are correct? (choose two)

- A.** Use existing zoning on fabric switches
- B.** Enable NVMe/FC on the existing FC SVM
- C.** Upgrade your FC switches from 16GB to 32GB
- D.** Create new zoning on fabric switches

Answer: A,B (LEAVE A REPLY)

Because NVMe/FC simply swaps command sets from SCSI to NVMe, it is an easy transition to make. NVMe/FC uses the same FC transport and therefore the same hardware from the host, through the switch and all the way to the NVMe/FC target port on the storage array. Thus, NVMe/FC implementations can use existing FC infrastructure, including HBAs, switches, zones, targets, and cabling.

You can find more information on this link:

<https://www.netapp.com/de/media/10681-tr4684.pdf>

NEW QUESTION: 61

You are adding a new AFF A220 FIA pair to an existing FlexPod infrastructure that is using a pair of Nexus 9332PX switches. Due to rack space constraints, the AFF A220 is to be installed in an adjoining rack, and the distance from the back of the AFF A220 to the Nexus 9332PX switches is nine meters.

In this scenario, which 10Gbe cabling solution would you use to connect the AFF A220 to the Nexus 9332PX switches?

- A. mini SAS
- B. passive Twinax
- C. LC/LC OM4 optical
- D. active Twinax

Answer: C (LEAVE A REPLY)

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NEW QUESTION: 62

You are asked to separate production FC traffic from test development FC traffic. In this scenario, at a minimum, which two configurations would accomplish this task? (choose two)

- A. VLANs
- B. Shared igroup
- C. SVMs
- D. Cisco VSANs

Answer: C,D (LEAVE A REPLY)

SVMs will help us to separate traffic creating production_LIFs and development_LIFs VLANs will not affect anything, because it is asking about FC traffic Cisco VSans will help us to create separate virtual SANs within the same switch.

NEW QUESTION: 63

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

Answer: A,C (LEAVE A REPLY)

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-4032-8005-078FCEE52E7.html>

NEW QUESTION: 64

A customer is required to encrypt iSCSI traffic across their public network.

In this scenario, which method will accomplish this task?

- A. CHAP
- B. dot1q
- C. IPsec
- D. NVMe

Answer: (SHOW ANSWER)

NEW QUESTION: 65

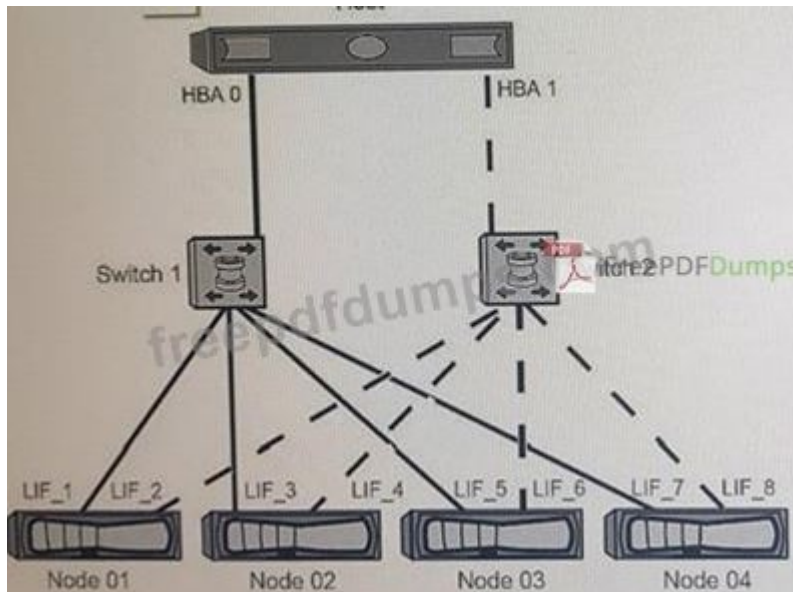
What is a SAN best practice when initially configuring a Linux FC boot LUN?

- A. Map the WWPN of the target.
- B. Disable the HBA port with the host's BIOS.
- C. Configure multipath to the LUN.
- D. Install the Host Utilities in the guest Linux OS.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 66

Exhibit.



The host in the exhibit is connected to a 4-node ONTAP SAN using dual-fabric implementation. LUNs have been mapped LUN through all available UFs on nil (our nodes. Switch 2 is powered off for high-availability testing.

How many paths per LUN would you expect the host to see in this scenario?

- A. 2
- B. 8

- C. 4
- D. 6

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 67

What information should you document about your storage fabrics? (Choose two.)

- A. Inter-Switch Links (ISLs)
- B. zoning configuration
- C. igroup name
- D. name service

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 68

You have a SAN host that is only sending traffic to an ONTAP cluster using active non-optimized paths. In this scenario, over which network type does the node that is hosting the target LUN receive the traffic?

- A. Fibre Channel network
- B. Cluster network
- C. iSCSI network
- D. Intercluster network

Answer: B ([LEAVE A REPLY](#))

The Cluster Network

This is used for traffic that is going between the nodes themselves, such as system information that is being replicated between the nodes. Also, if incoming client data traffic hits a network port on a different controller than the one which owns the disks, that traffic will also go over the cluster network.

NEW QUESTION: 69

You are planning to implement a 32 Gb FC SAN on a 2-node AFF A700 ONTAP 9.5 cluster. You need to create 112 FC LIFs across the HA pair with a limit of 20 FC LIFs per physical HBA port.

In this scenario, how many 2-port 32 Gb HBA cards do you need per storage controller?

- A. 2
- B. 3
- C. 1
- D. 4

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 70

You have a 2-node AFF A400 cluster serving iSCSI LUNs. Each A400 controller has two aggregates. The LUNs in all aggregates share data that is inline deduplicated. You are asked to enable encryption at rest to satisfy a new compliance requirement.

In this scenario, which at rest encryption solution preserves the current deduplication?

- A. Challenge Handshake Authentication Protocol (CFIAP)
- B. NetApp Aggregate Encryption (NAE)
- C. NetApp Volume Encryption (NVE)

D. Internet Protocol Security (IPsec)

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 71

You are a system administrator and responsible for a Netapp AFF A800 2-node ONTAP 9.8 cluster that is used only for SAN. Your SAN uses FC and FCoE on the same Cisco switches. You want to add NVMe from the ONTAP controller to the same Cisco fabric. Which two statements are correct in this scenario? (choose two)

- A.** The same SVM can serve both the FC and the FCoE protocols
- B.** The same SVM cannot serve both the FC and the NVMe protocols
- C.** FCoE and NVMe can share the same physical port
- D.** FC and NVMe can share the same 32 GB physical port

Answer: A,D ([LEAVE A REPLY](#))

FC and FC-NVMe can share the same 32 Gb physical port

The same SVM can serve both FC and NVMe protocols using the same physical infrastructure with different LIFs FCoE and NVMe can NOT share the same infrastructure, they go through different physical hardware

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanconf%2FGUID-7D5EA321-97AE-497D-9925-BEF2553DF9F1.html>

NEW QUESTION: 72

Changes to your organization requires access to an SVM be given to a group of individuals. Your company uses Active Directory as a method of access control. You decide to use the security login create - vserver engCluster -user-or-group-name CORP\Admins -application ssh -authmethod domain -role vsadmin command.

In this scenario, which access rights will this command grant?

- A.** vsadmin rights to the SVM engCluster for Active Directory group CORP
- B.** read only rights to the SVM engCluster for Active Directory group CORP
- C.** vsadmin rights to the SVM CORP for Active Directory group CORP\Admins
- D.** vsadmin rights to the SVM engCluster for Active Directory group CORP\Admins

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 73

Referring to the exhibit, which two pairs of ports are currently configurable as FC SAN LIFs? (Choose two.)

- A.** 01b, 0g
- B.** 01b, 0h
- C.** 01a, 0h
- D.** 01a, 0g

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 74

A database owner requests that two additional hosts be added to an application server cluster. This brings the host count for the fabric to 10. The company's internal procedure is to set SAN hosts with a queue depth of 256. The FAS8300 2-node cluster is configured with one HBA per node with one port connected to fabric A and one port connected to fabric B. Users complain about inconsistent performance.

What must the storage administrator do to ensure continuous operation of the hosts in this new configuration?

- A.** Create two additional LIFs per node on the FAS8300 cluster.
- B.** Add two more hosts to the application server cluster.

- C. Reduce the number of LIFs per node on the FAS8300 cluster.
- D. Reduce the queue depth of the hosts such that the total does not exceed 2048.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 75

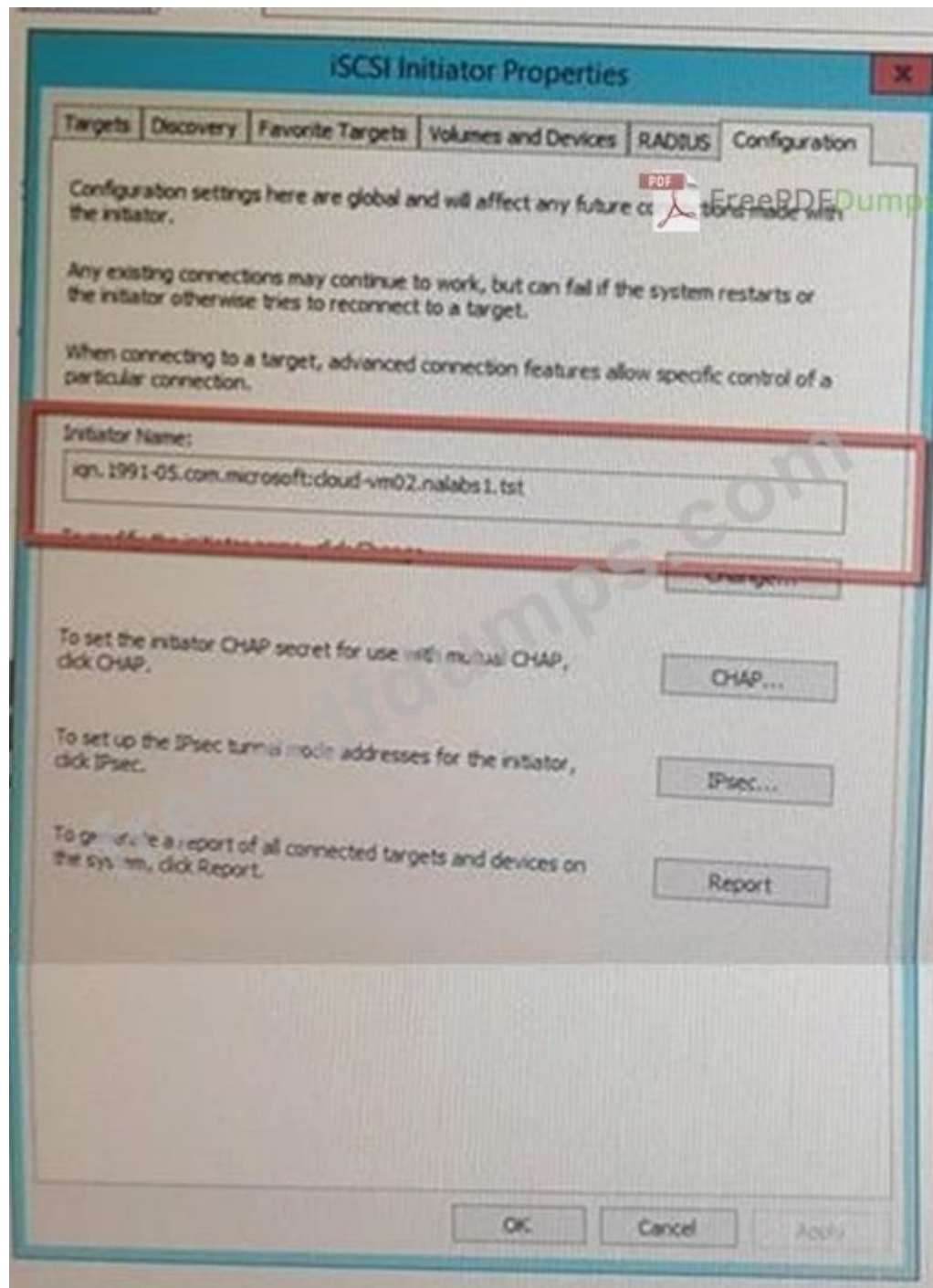
For which two purposes would the use of VLAN's be beneficial? (Choose two.)

- A. to separate LAN from WAN traffic
- B. to isolate management traffic from other IP traffic
- C. to isolate UDP from TCP traffic in the IP network
- D. to isolate iSCSI traffic from LAN/WAN traffic
- E. to isolate SSH traffic from other IP traffic

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 76

Exhibit.



You want to map a LUN to a server.

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

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

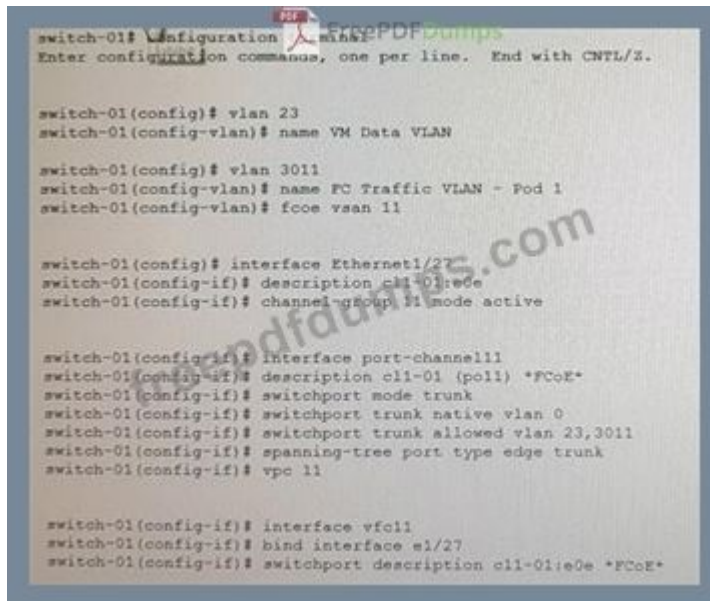
Answer: ([SHOW ANSWER](#))

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https://www.actual4test.com/NS0-520_examcollection.html (236 Q&As Dumps, **30%OFF** Special Discount: **Freepdfdumps**)

NEW QUESTION: 77

Exhibit.



```
switch-01# configuration
Enter configuration commands, one per line. End with CNTL/Z.

switch-01(config)# vlan 23
switch-01(config-vlan)# name VM Data VLAN

switch-01(config)# vlan 3011
switch-01(config-vlan)# name FC Traffic VLAN - Pod 1
switch-01(config-vlan)# fcoe vspan 11

switch-01(config)# interface Ethernet1/27
switch-01(config-if)# description c11-01:e0e
switch-01(config-if)# channel-group 11 mode active

switch-01(config)# interface port-channel11
switch-01(config-if)# description c11-01 (poll) *FCoE*
switch-01(config-if)# switchport mode trunk
switch-01(config-if)# switchport trunk native vlan 0
switch-01(config-if)# switchport trunk allowed vlan 23,3011
switch-01(config-if)# spanning-tree port type edge trunk
switch-01(config-if)# vpc 11

switch-01(config-if)# interface vfc11
switch-01(config-if)# bind interface e1/27
switch-01(config-if)# switchport description c11-01:e0e *FCoE*
```

An administrator is configuring FCoE on Cisco Nexus switches for a new AFF A200 ONTAP cluster. The administrator executes the commands shown in the exhibit to create the necessary network configuration.

Which VLAN is responsible for controlling the FCoE traffic on the new interface?

- A. 11
- B. 3011
- C. 23
- D. 0

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 78

An administrator is asked to configure NVMe on an ONTAP 9.5 cluster for host access.

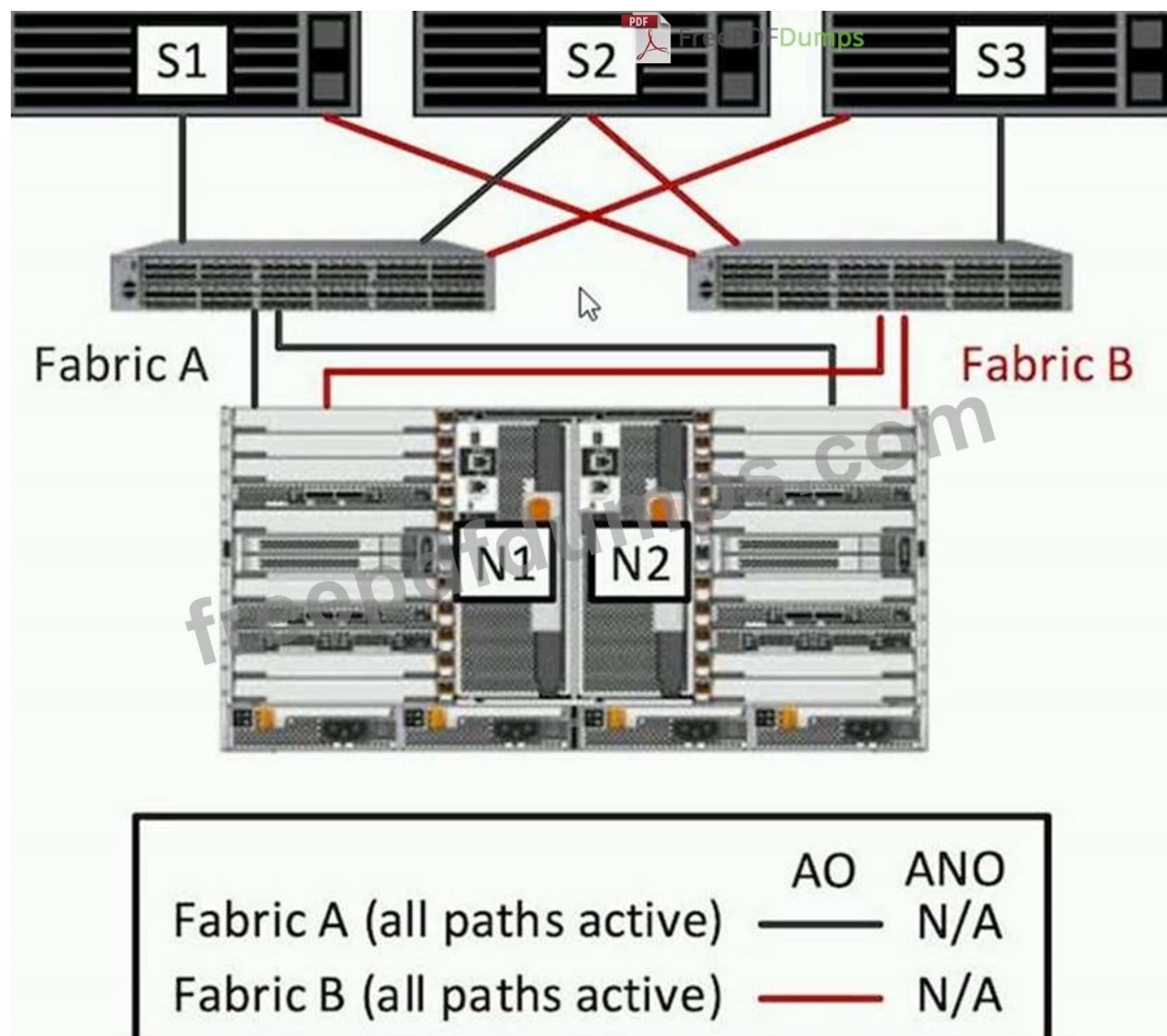
Which three steps must the administrator perform to accomplish this task? (Choose three.)

- A. Gather the IQN from the host initiator software.
- B. Create a namespace.
- C. Gather the NQN from the host system.
- D. Provision a subsystem.
- E. Configure the FC port.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 79

Click the Exhibit button.



You have three Linux hosts that are FC multipath connected to an AFF All SAN Array A700. A failover test is performed by shutting down both Fabric A and N2, as shown in the exhibit.

Referring to this exhibit, what happens to the remaining paths from the Linux hosts to the ASA A700 target?

- A. Half of the paths are active-non-optimized (ANO) and the other half are active-optimized (AO).
- B. All paths go offline from the double failure of the switch and node.
- C. All paths are active-non-optimized (ANO).
- D. All paths are active-optimized (AO).

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 80

You created a LUN in a new volume on your Netapp ONTAP cluster. You enabled the default snapshot schedule and enabled snapshot autodelete on the volume. In this scenario, in which three situations does the snapshot autodelete feature automatically delete snapshot copies in the volume? (choose three)

- A. The snapshot reserve space is nearly full
- B. The LUN is nearly full
- C. The overwrite reserve space is full

- D. The volume is nearly full
- E. The aggregate is nearly full

Answer: A,C,D (LEAVE A REPLY)

Depending on what is selected in the "Trigger" option, Snapshot Autodelete will automatically delete a snapshot when, either the volume space utilized, or the snapshot reserve reaches a threshold capacity specified below.

Automatic deletion of Snapshot copies from flexible volumes Data ONTAP can automatically delete one or more Snapshot copies on the volume, provided the Data ONTAP Snapshot copy autodeletion policy is enabled and set to trigger when the overwrite reserve is nearly full on the volume.

You can find more information on this link:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/How_to_use_Snapshot_Autodelete

<https://library.netapp.com/ecmdocs/ECMP1217281/html/GUID-98FB8EC4-F3AE-4D25-AF44-E3200AFEB1AB.html>

NEW QUESTION: 81

You have a LUN owned by Node 01 and mapped using the default Selective LUN Map (SLM) configuration. You want to enable your host to access this LUN and facilitate future maintenance.

Which best-practice zone configuration accomplishes this task?

- A. Zone 1: HBA 0, LIF_1, LIF_3, LIF_5 and LIF_7 Zone 2: HBA 1, LIF_2, LIF_4, LIF_6 and LIF_8
- B. Zone 1: HBA 0, HBA 1, LIF_1, LIF_2, LIF_3, LIF_4, LIF_5, LIF_6, LIF_7, LIF_8
- C. Zone 1: HBA 0, HBA 1, LIF_1, LIF_2, LIF_3, LIF_4
- D. Zone 1: HBA 0, LIF_1, LIF_3 Zone 2: HBA 1, LIF_2, LIF_4

Answer: C (LEAVE A REPLY)

NEW QUESTION: 82

Which configuration for primary block (FC and iSCSI) data does NetApp best practices recommend? (Choose two.)

- A. single controller multiple shelves
- B. dual controller multiple shelves
- C. single controller single shelf
- D. dual controller single shelf

Answer: B,D (LEAVE A REPLY)

NEW QUESTION: 83

Exhibit.

```

server Path State Mapped Type
svm1 /vol/luns/lun online mapped linux

::> igroup show -vserver svm1
Vserver Igroup Protocol OS Type Initiators
svm1 linuxhost mixed linux iqn.1999-01.com.localhost:71f9e0a481d3

::> lun mapping show -vserver svm1 -path /vol/luns/lun
Vserver Path Igroup LUN ID Protocol
svm1 /vol/luns/lun linuxhost 10 mixed

::> vserver iscsi initiator show -vserver svm1
Vserver Name Tpgroup Initiator
svm1 iscsi0 1 iqn.2016-09.com.localhost:matt 00:02:3d:06:00:00

# iscsiadm -m node -L all
Logging in to [iface: default, target: iqn.1992-08.com.netapp:sn.a350acf8fbc311e390a400a0981e2c74, portal: 10.61.84.123,3260]
Logging in to [iface: default, target: iqn.1992-08.com.netapp:sn.a350acf8fbc311e390a400a0981e2c74, portal: 10.61.84.122,3260]

# echo "- - -" > /sys/class/isci_host/host8/scan
# echo "- - -" > /sys/class/isci_host/host9/scan

# multipath

```

A Linux host cannot discover a newly provisioned LUN.

Referring to the exhibit, what would be the cause of the problem?

- A. The Initiator group is misconfigured.
- B. The host's IP address is misconfigured.
- C. The IUN ID Is Incorrect.
- D. The host's MPIO feature is not enabled.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 84

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 85

Click the Exhibit button.


```

cl1::> ucaadmin show
Node      Adapter  Current  Current  Pending  Pending  Admin
Mode      Type     Mode     Type     Mode     Type     Status
-----
01a      0e       cna      target   -        -        online
01a      0f       cna      target   -        -        online
01a      0g       cna      target   -        fc       online
01a      0h       cna      target   -        fc       online
01b      0e       cna      target   -        -        online
01b      0f       cna      target   -        -        online
01b      0g       cna      target   -        fc       online
01b      0h       cna      target   -        fc       online
02a      0c       cna      target   -        -        online
02a      0d       cna      target   -        -        online
02a      0e       cna      target   -        -        online
02a      0f       cna      target   -        -        online
02b      0c       cna      target   -        -        online
02b      0d       cna      target   -        -        online
02b      0e       cna      target   -        -        online
02b      0f       cna      target   -        -        online
16 entries were displayed.

cl1::> vservers show -fields allowed-protocols
vservers allowed-protocols
-----
01a      -
01b      -
02a      -
02b      -
cl1      -
svfc2    fcp
svfile1  cifs,nfs
svfile3  cifs,nfs
svfile4  cifs
9 entries were displayed.

cl1::> vservers fcp show
Vserver      Target Name      Status
-----
svfc2        20:04:00:a0:98:94:1b:df  up

```

An administrator has added two nodes to an existing cluster. The administrator created the svfc2 SVM to use FC to present LUNs to hosts. The hosts are unable to see the LUNs that have been presented to them.

Referring to the exhibit, what is the problem?

- A. The FC ports show the status of admin down.
- B. The FC protocol needs to be added to the allowed protocols list.
- C. The UTA mode change is pending a reboot.
- D. The FC service on the SVM has been stopped.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

An administrator is designing a SAN solution.

What are two considerations when completing this task? (Choose two.)

- A. limiting the number of paths to eight paths per node
- B. identifying the maximum number of paths that are supported by a host operating system
- C. limiting the number of paths to eight paths per LUN
- D. identifying the maximum number of paths that are supported by a multipath driver

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 87

You have three Windows servers and one Linux server, each with dual-ported HBAs that are connected into a dual fabric.

In this scenario, what is the minimum number of zones that you need to create within each fabric switch?

- A. 1
- B. 8
- C. 2
- D. 4

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 88

An administrator has taken over managing an AFF A320 4-node SAN environment with several attached hosts. The administrator is asked to inventory the environment before performing firmware updates.

In this scenario, which two tools would satisfy the requirement? (Choose two.)

- A. Upgrade Advisor
- B. Brocade SAN Health Check
- C. Active IQ
- D. Active IQ OneCollect

Answer: A,D ([LEAVE A REPLY](#))

NEW QUESTION: 89

Referring to the exhibit, which container gains space savings from deduplication, compression and compaction?

- A. the qtree
- B. the aggregate
- C. the volume
- D. the LUN

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 90

Click the Exhibit button.

Storage Virtual Machine (SVM) 

1
Enter SVM basic details

SVM Details

? Specify a unique name and the data protocols for the SVM

SVM Name:

? IPspace:

? Data Protocols: ☐ CIFS ☐ NFS ☐ iSCSI ☐ FC/FCoE ☐ NVMe

? Default Language:

The language of the SVM specifies the default language encoding setting for the SVM and its volumes. Using a setting that incorporates UTF-8 character encoding is recommended.

? Security Style:

Root Aggregate:

DNS Configuration

Specify the DNS domain and name servers. DNS details are required to configure the CIFS protocol.

? Search Domains:

? Name Servers:

Referring to the exhibit, which two configuration elements are required to configure an SVM to support NVMe on Red Hat Enterprise Linux? (Choose two.)

- A. In Data Protocols, choose both FC/FCoE and NVMe protocols.
- B. Set the security style to Mixed (UNIX and NTFS).
- C. In Data Protocols, choose only the NVMe protocol.
- D. Set the security style to UNIX.

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 91

You are configuring FC ports on front-end SAN switches for a 4-node Metrocluster configuration across two data centers. You need to ensure that each data center serves FC LUNs when an FC port goes offline in one data center. In this scenario, which front end switch setting must be modified to avoid overlap when a new port comes online?

- A. NPIV enabled

- B. NPIV reject
- C. WWPN reject
- D. ANA mapped
- E. WWNN reject

Answer: A ([LEAVE A REPLY](#))

Best practice: NPIV is required for FC LIFs to operate correctly. Before creating FC LIFs, make sure that any fabrics attached to an ONTAP system have NPIV enabled.

You can find more information on this link:

<https://www.netapp.com/pdf.html?item=/media/10680-tr4080pdf.pdf>

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NEW QUESTION: 92

Click the Exhibit button.

Question | **Exhibit**

```
Vserver 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: 807JdJI3aoSX
  Serial Number (Hex): 3830374a645d4933616f5358
  Comment:
Space Reservations Honored: false
  Space Allocation: disabled
  State: online
  LUN UUID: 6b328b3e-889e-4512-a62b-6e830a22861b
  Mapped: mapped
  Block Size: 512
  Device Legacy ID: -
  Device Binary ID: -
  Device Text ID: -
  Read Only: false
```



The LUN that is shown in the exhibit is mounted by a Windows 2016 server. In this scenario, which two statements are correct? (Choose two.)

- A. The LUN's space is reserved.
- B. The LUN has aligned I/O.
- C. The LUN has misaligned I/O.
- D. The LUN's space is not reserved.

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 93

Exhibit.

cl01::> system hardware  ed-connect show

Node	Adapter	Mode	Type	Mode	Type	Status
cl01-01	3a	fc	target	-	-	online
cl01-01	3b	fc	target	-	-	online
cl01-02	3a	fc	target	-	-	online
cl01-02	3b	fc	target	-	-	online

4 entries were displayed.

cl01::>

You want to configure a UTA2 port as an FCoE target. Referring to the exhibit, which action must be performed?

- A. Configure the port type as initiator.
- B. Configure the port mode as Ethernet.
- C. Configure the port mode as FC.
- D. Configure the port mode as CNA.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 94

An administrator is adding new hosts to a vSphere cluster. The cluster uses the FC protocol to connect to a NetApp cluster. The administrator wants to configure the multipathing for the ESXi host.

Which NetApp tool should be used to accomplish this task?

- A. SnapCenter plug-in
- B. Host Utilities
- C. NetApp Virtual Storage Console (VSC)
- D. OnCommand System Manager (OCSM)

Answer: [C \(LEAVE A REPLY\)](#)

NEW QUESTION: 95

You are provisioning a LUN using an iSCSI initiator on an ESX host. You disable Ethernet flow control for all ports but are experiencing Performance issues.

In this scenario, which two actions would improve the performance issue? (Choose two.)

- A. Enable jumbo frames across the entire data path.
- B. Dedicate your ports to iSCSI traffic.
- C. Confirm that your host .mil storage polls are connected to a different network.
- D. Set the MTU settings 1500 for optimal performance.

Answer: [A,B \(LEAVE A REPLY\)](#)

NEW QUESTION: 96

Referring to the exhibit, you have SAN LUNs on an AFF A700s and are asked to test an SSD shelf stack failure.

What is the maximum allowed number of failed paths per controller to shelf stack before a storage failover occurs?

- A. 1
- B. 3
- C. 4
- D. 2

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 97

A storage administrator created a LUN using two ports on a storage system. Later, additional LUNs were added to the same node as the original LUN. After a while, the performance of the original LUN dropped beyond an acceptable level.

What would you advise to remedy the Issue?

- A. Add new LIFs on unused ports.
- B. Reduce the queue depth on the used ports.
- C. Add an additional switch between the hosts and cluster.
- D. Add new LIFs on the used ports.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 98

During maintenance of an AFF A250 node, you want to move the SAN LIFs that are members of a port set. In this scenario, which two statements are true? (choose two)

- A. You must disable SLM for the node that hosts the LIF
- B. You need to disable the zoning of the LIF WWPN
- C. The LIF must be removed from the port set
- D. You must take the SAN LIF offline

Answer: C,D ([LEAVE A REPLY](#))

If the LIF is a member of a port set, the LIF must have been removed from the port set before the LIF can be moved to a different node.

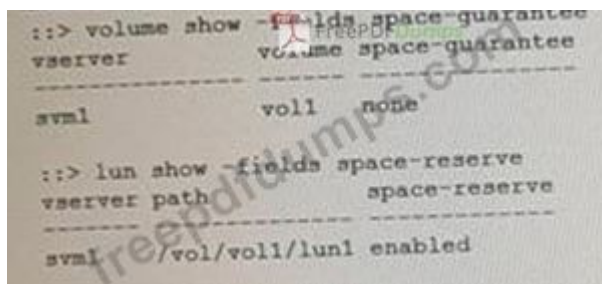
Change the status of the LIF to down (offline)

You can find more information on this link:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-sanag%2FGUID-09F5C2A3-FA66-4252-BEEF-D556A143CD30.html>

NEW QUESTION: 99

Exhibit.



```
::> volume show -fields space-guarantee
vserver      volume space-guarantee
-----
svm1         vol1 none

::> lun show -fields space-reserve
vserver path      space-reserve
-----
svm1 /vol/vol1/lun1 enabled
```

Referring to the exhibit, which two statements are true? (Choose two.)

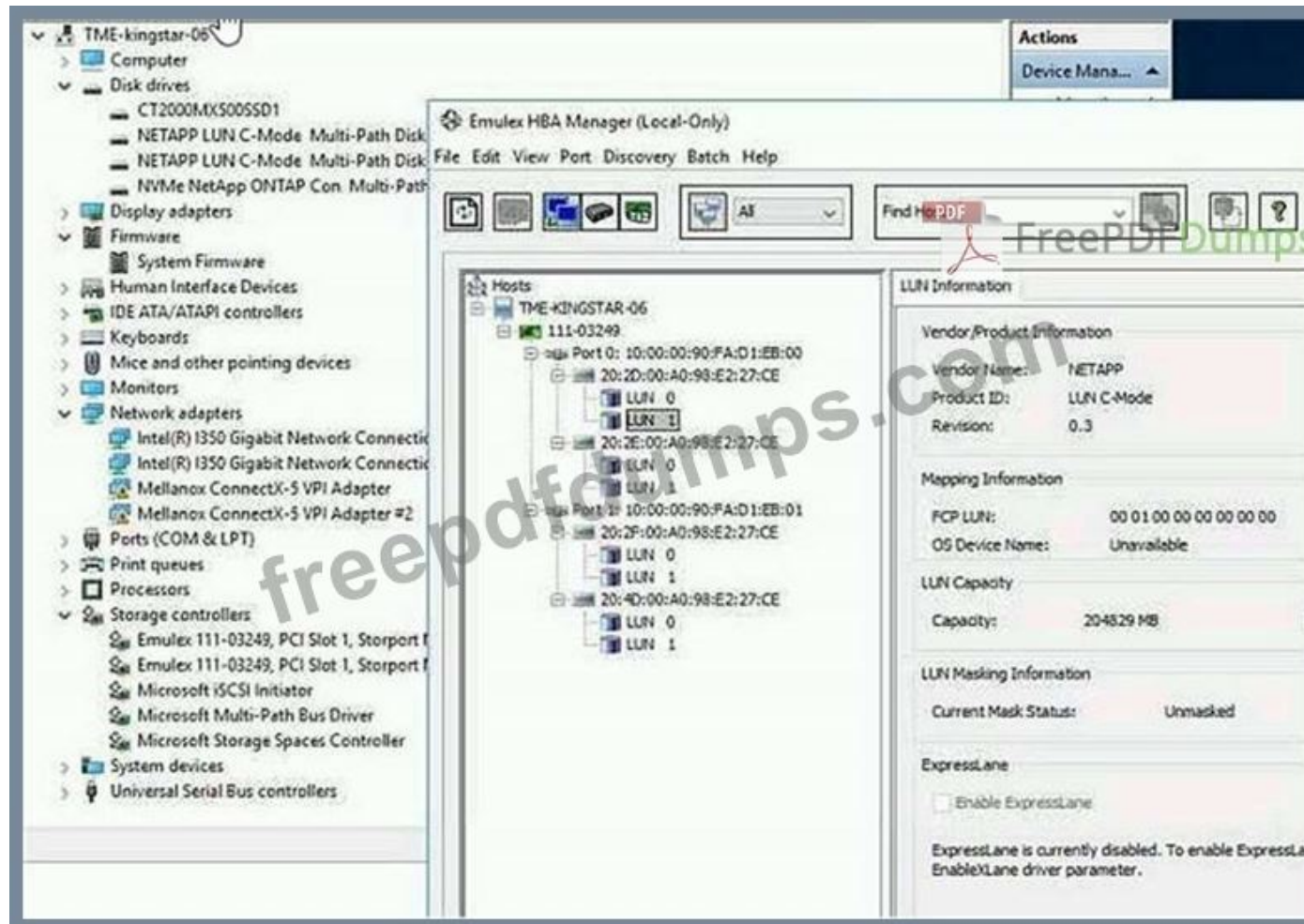
- A. The LUN space reservation has no effect.
- B. The volume guarantee has no effect.
- C. The LUN might run out of space.

D. LUN overwrites are guaranteed.

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 100

Click the Exhibit button.



Referring to the exhibit, how many LUNs should the server administrator see on the Windows 2016 host?

- A. 2
- B. 0
- C. 4
- D. 8

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 101

On your ONTAP 9.5 cluster, you need to set up the onboard key manager with hardware-based security and volume encryption. Which two licenses are required in this situation? (Choose two.)

- A. FDE
- B. RSA
- C. TPM
- D. VE

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 102

An administrator enabled the iSCSI protocol on an SVM and created a LUN for a VMware ESXi server.

After the administrator performs a rescan, the LUN is not visible on the host.

Which statement describes how to solve this problem?

- A. Create an igroup, add the iSCSI IQN, then map the LUN to the igroup.
- B. Create an igroup, add the WWPN of the host initiator, then map the LUN to the igroup.
- C. Enable ALUA support on the VMware host.
- D. Perform a takeover/giveback of the controller that is hosting the LUN.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 103

How do you configure the iSCSI-SendTargets datastore when the datastore is provisioned from NetApp storage?

- A. Use dynamic discovery to add the target IQN.
- B. You must configure jumbo frames when SendTargets-based iSCSI is used.
- C. You must configure a single protocol on the SVM when SendTargets-based iSCSI is used.
- D. Use static discovery to add the target IQN.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 104

A customer that is using an AFF A220 has a problem with a host for a new FC LUN. Other LUNs on the same SVM are working properly. This LUN is not visible on the host.

Which configuration does the customer need to verify in their solution?

- A. FC switch zoning
- B. FC target port setting on NetApp node
- C. LUN mapping with igroup
- D. host HBA speed settings

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 105

You deployed a new SVM for FC access, and you used the `vserver fcr, create -vserver svm1 -status-admin up` command to enable FC service on the SVM. You then created the LIFs for the FC protocol. When you review the status of the LIFs, they show that the admin status is up, but the operational status is down. You have already verified that the ports are physically connected.

In this scenario, what is the next step to bring the LIFs up?

- A. Verify that an FC license is applied on your system.
- B. Create at least one zone that contains your SVM LIF WWPNs and an initiator.
- C. Use the network interface modify command to change the operational status of the LIFs.
- D. Disable the SAN switch port where your NetApp storage is connected.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 106

Which NetApp tool views automated, schedule configuration, and performance data for a customer's SAN from a Web browser?

- A. Virtual Storage Console
- B. OnCommand Workflow Analyzer
- C. Config Advisor
- D. Active 1Q

Answer: B ([LEAVE A REPLY](#))

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NEW QUESTION: 107

You have an existing 2-node AFF A300 cluster with premium bundle licensing applied. You need to have consistently low front end latency, and have determined that NVMe satisfies this requirement.

Referring to the exhibit, which two actions would accomplish this task? (Choose two.)

- A. Apply the license for FCP.
- B. Add a 32 GB FC HBA to each of the two AFF A300 nodes.
- C. Add a UTA2 adapter to each of the two AFF A300 nodes.
- D. Apply the license for NVMe.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 108

An administrator reviews the Upgrade Advisor before performing an upgrade of their ONTAP cluster.

What information is detailed in the report? (Choose two.)

- A. cluster interconnect checks
- B. performance metrics
- C. pre-upgrade checks
- D. risk exposures

Answer: A,C ([LEAVE A REPLY](#))

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