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Network-Appliance

NS0-520

NetApp Certified Implementation Engineer SAN, ONTAP



Question: 120

You have an SVM serving LUNs to your VMware environment. You have configured the SAN LIFs, zoning, and multipath by using industry best practices. You need to temporarily migrate a SAN LIF to another host, preserving the SAN LIF's WWPN. You do not want to lose access to the LUNs during LIF migration.

In this scenario, what are three required steps that are needed to accomplish this task? (Choose three.)

- A . Set the new home node and home port in the LI
- C . Take the LIF offline.
- D . Bring the LIF online.
- E . Update the zone using the WWPN of the destination host's physical port.
- F . Nondisruptively migrate the LIF to the destination host.

Answer: ABC

Question: 121

An administrator is planning to rehost a SAN volume from one SVM to another SVM on a FAS8300 with all hard disk drives.

After rehosting the volume, what are two policies that must be reconfigured? (Choose two.)

- A . export policy
- B . caching policy
- C . volume efficiency policy
- D . snapshot policy

Answer: CD

Question: 122

Click the Exhibit button.



A customer has a 4-node AFF A700 cluster that uses ONTAP 9.7. The customer's environment has the Emulex

LP31004-M6 and Emulex LPe32002-M2 HBAs.

Referring to the exhibit, using the NVMe protocol, which two host operating systems would be supported? (Choose two.)

- A . SLES 15 64-bit
- B . SLES 12 SP3 64-bit
- C . Microsoft Windows Server 2012 R2
- D . RHEL 7.5 64-bit

Answer: AB

Question: 123

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      10:00:00:60:69:00:06:56  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 . sw10
- B . sw6
- C . sw4
- D . sw5

Answer: B

Question: 124

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.

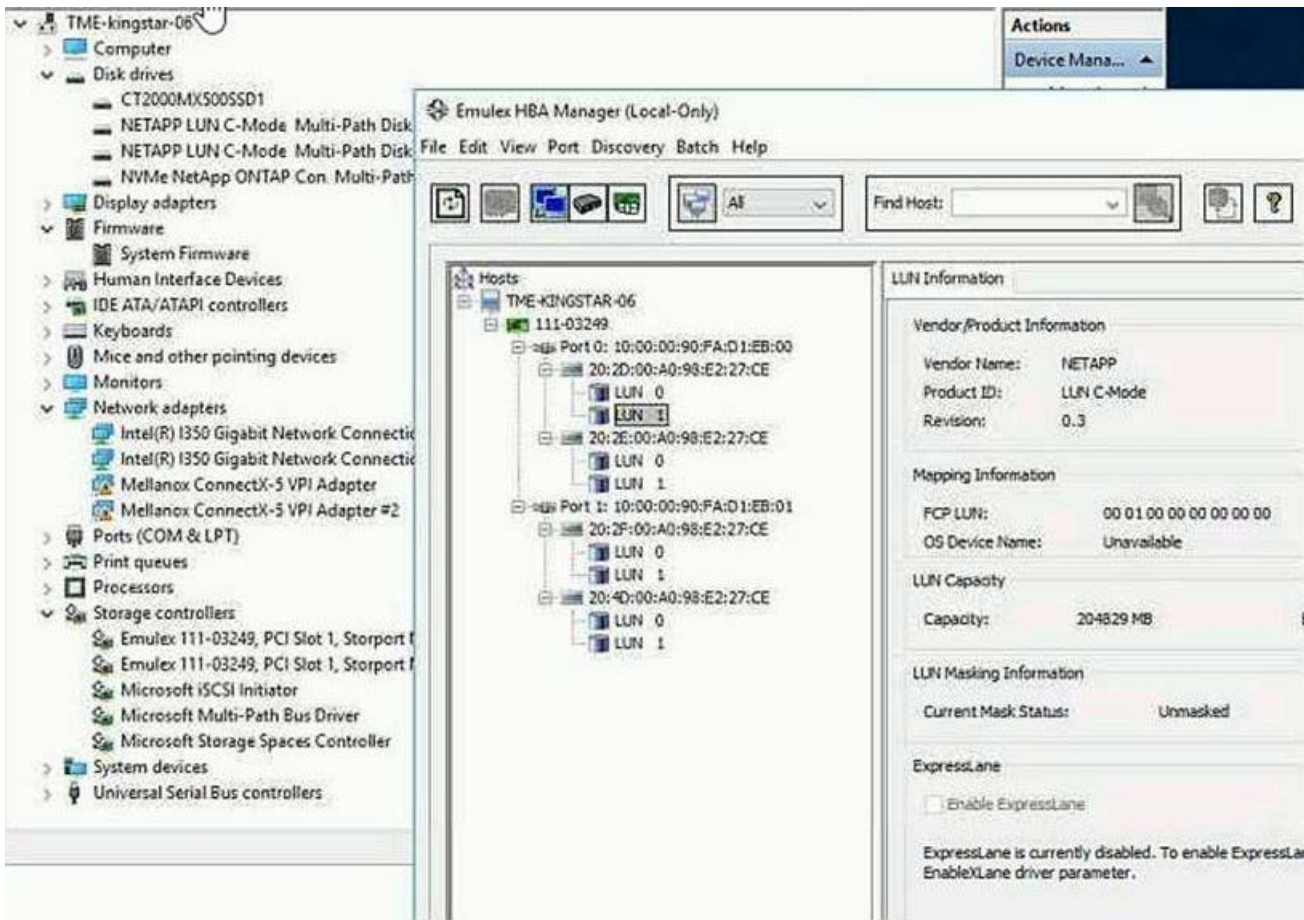
Which statement describes how to solve this problem?

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

Answer: A

Question: 125

Click the Exhibit button.



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

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

Answer: C

Question: 126

Click the Exhibit button.

Ports of Slot 0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Octet Speed Combo	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Speed	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
AL_PA Offset 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Trunk Port	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
Long Distance	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
VC Link Init	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Locked L_Port	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Locked G_Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Disabled E_Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Locked E_Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ISL R_RDY Mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RSCN Suppressed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Persistent Disable	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LOS TOV mode	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPIV capability	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
NPIV PP Limit	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
NPIV FLOGI Logout	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
QOS Port	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE
EX Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mirror Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Credit Recovery	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
Fport Buffers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eport Credits	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Port Auto Disable	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CSCTL mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
D-Port mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
D-Port over DWDM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Compression	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Encryption	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10G/16G FEC	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
16G FEC via TTS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fault Delay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIM Port	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TDZ mode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clean Address Bit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Flex Port	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC

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 . Enable NPIV on the switch.
- B . Create an igroup, add the iSCSI IQN, and then map the igroup to the LU
- D . Disable NPIV on the switch.
- E . Create an igroup, add the WWPN of the host initiator, and then map the igroup to the LU

Answer: AD

Question: 127

You have a 2-node AFF A400 serving FC LUNs. You are asked to make an instant-writable copy of a LUN in a deduplicated volume. The writable copy must not take additional space.

In this scenario, which two ONTAP features would be used? (Choose two.)

- A . clone split
- B . volume clone
- C . LUN move
- D . file clone

Answer: BD

Question: 128

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

Answer: A

Question: 129

An administrator suspects abnormal operation and performance-related issues within a particular SAN environment. The administrator wants to further investigate the environment in terms of overall health, best practice recommendations, proactive remediation, and risk assessments, as compared to other SAN deployments.

Which tool should the administrator use to assess this information?

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

Answer: C

Question: 130

You are asked to increase the size of your existing 4-node FAS8060 cluster running ONTAP 9.7 software with four additional AFF A700 nodes.

Which tool enables you to confirm that this will be a valid addition?

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

Answer: B

Question: 131

You are called to help with a new customer's SAN environment that consists of an 8-node AFF A700 cluster, Cisco

MDS fabric switches, and Cisco UCS servers.

Which two tools would help you to assess the environment? (Choose two.)

- A . Active IQ OneCollect
- B . Active IQ Upgrade Advisor
- C . NetApp ONTAP Mediator
- D . Brocade SAN Health

Answer: AB

Question: 132

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 . Add two more hosts to the application server cluster.
- B . Reduce the number of LIFs per node on the FAS8300 cluster.
- C . Create two additional 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

Question: 133

You have a new 2-node AFF All SAN Array A700 cluster serving iSCSI LUNs. You are asked to test failures of the storage back-end subsystem.

In this scenario, which two actions satisfy the failure criteria? (Choose two.)

- A . Disable Snapshot policies.
- B . Pull an Ethernet cable from a Linux host.
- C . Perform a storage controller failover.
- D . Pull an Ethernet cable from a storage port with a cluster LI

Answer: CD

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