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Question 1

Question Type: MultipleChoice

An engineer must implement an iSCSI storage connectivity in the existing Cisco UCS environment. The environment is based on Cisco UCS -Series rack server, Cisco Nexus 1000V Series Switches, and VMware ESXi hosts. The implementation must meet these requirements:

Provide multipathing and high availability in the event of a critical path failure.

Be cost-effective and not require the purchase of new equipment.

Which two components must be selected to meet these requirements? (Choose two.)

Options:

A- software iSCSI adapter

B- storage binding

C- uplink pinning

D- system VLAN

E- hardware iSCSI NIC

Answer:

A, B

Question 2

Question Type: MultipleChoice

An engineer must choose the World Wide Port Name for the Cisco UCS Fibre Channel virtual host bus adapter.

Which identifier must be used?

Options:

A- naa.600a09840691712159764d

B- fe80::314e:4566:8702:bf3d

C- iqn.2021-08.com.acme:3xxx

D- 20:00:00:25:B5:97:c3:ac

Answer:

D

Question 3

Question Type: MultipleChoice

Refer to the exhibit.

```
switch# show interface fc 1/1
fc1/1 is up
Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)
Port WWN is 22:01:00:05:30:01:1f:02
Admin port mode is F
snmp traps are enabled
Port mode is F, FCID is 0xec0002
Port vsan is 1
Speed is 4 Gbps
Rate mode is shared
Transmit B2B Credit is 64
Receive B2B Credit is 16
Receive data field Size is 2112
Beacon is turned off
5 minutes input rate 0 bits/sec, 0 bytes/sec, 0 frames/sec
5 minutes output rate 0 bits/sec, 0 bytes/sec, 0 frames/sec
213 frames input, 17311 bytes
0 discards, 0 errors
0 CRC, 0 unknown class
0 too long, 0 too short
332 frames output, 22344 bytes
0 discards, 0 errors
0 input OLS, 0 LRR, 1 NOS, 0 loop inits
1 input OLS, 0 LRR, 0 NOS, 0 loop inits
16 receive B2B credit remaining
64 transmit B2B credit remaining
```

A customer must ensure that the interface on a switch has enough resources to sustain the line rate traffic during peak load.

Which action meets this requirement?

Options:

A- Change the rate mode to dedicated.

B- Set Transmit B2B credit to 16.

C- Change the port mode to NL.

D- Increase the data field size to 9000 bytes.

Answer:

A

Question 4

Question Type: MultipleChoice

An end user is experiencing network latency when accessing a database in a disaster recovery site. The monitoring team concluded that the database was writing simultaneously to the storage arrays on the primary and disaster recovery sites.

Which design resolves this issue?

Options:

A- asynchronous replication between data centers

B- synchronous replication between data centers

C- FCoE tunnel between data center

D- FCIP tunneling between data center

Answer:

A

Question 5

Question Type: **MultipleChoice**

A storage administrator receives reports of network delays when database software attempts to access the storage array. The virtual machines that host the database software are installed on different rack servers connected to the Cisco UCS Fabric Interconnect domain. The existing SAN switches are connected to the Fabric Interconnects using two 8 Gb port-channel interfaces to connect the storage array. The storage administrator has decided to deploy iSCSI storage with four 10 Gbps interfaces connected to the Cisco UCS Fabric Interconnects.

Which deployment type resolves the problems with storage contention?

Options:

A- iSCSI storage with Cisco UCS Fabric Interconnect in the virtual port-channel mode

B- iSCSI storage with Cisco UCS Fabric Interconnect using an appliance port

C- iSCSI storage appliance on Cisco UCS Fabric Interconnect uplink trunk port

D- iSCSI storage appliance on Cisco UCS Fabric Interconnect in the storage end-host mode

Answer:

C

Question 6

Question Type: **MultipleChoice**

A network consultant reviews the requirements for the Storage Area Network (SAN) design. The proposed solution must offer a very efficient port usage and eliminate the need for a separate physical layer of switches and their associated ISLs. The design is not expected to require future expansion.

Which SAN topology must be used to meet these requirements?

Options:

A- core-edge

B- collapsed-core

C- core-distribution-access

D- edge-core-edge

Answer:

A

Question 7

Question Type: MultipleChoice

A network architect designs the iSCSI-based storage area network solution. The iSCSI datastore must be designed with high availability, minimal downtime, and no single point of failure. The requirement is to fail over I/O to alternate paths based on SCSI sense codes without reliance on network failures.

Which feature must be deployed to meet these requirements?

Options:

A- hardware-based flow control

B- port security

C- iSCSI multipath

D- NIC teaming

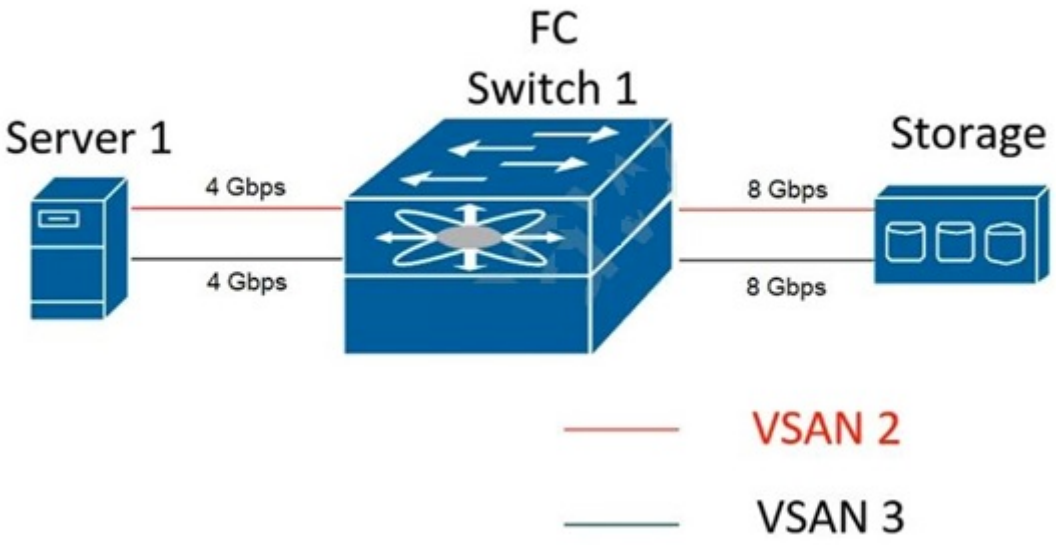
Answer:

C

Question 8

Question Type: MultipleChoice

Refer to the exhibit.



Server 1 fails to connect to the storage array over the Storage Area Network (SAN) of the Cisco NDS 9000 Series Switch. The requirements are to redesign the storage network and keep these considerations in mind:

The traffic from each of the server must be redundant and isolated.

The design must tolerate hardware and software failures and upgrades of SAN fabric devices.

Which action must be taken to meet these requirements?

Options:

A- Enable NPV and F-Port-channel on ports that face Server 1 on the Fibre Channel switch to create redundant paths.

B- Create a SAN port channel that faces the storage device to sustain a link failure.

C- Add an additional supervisor to the Fibre Channel switch to support nondisruptive upgrades.

D- Place an additional Fibre Channel switch to create two physically independent storage fabrics.

Answer:

D

Question 9

Question Type: **MultipleChoice**

A cloud provider deploys an infrastructure based on Cisco ACI Fabric, Cisco UCS, and Cisco HyperFlex Data Platform. The storage area network will be based on Cisco MDS 9000 Series Switches with Hyper-V, VMware, and KVM used as the virtualization platform. The requirement is to deploy the overall solution by using a robust automation and orchestration tool.

Which tool meets these requirements?

Options:

A- Cisco Prime Infrastructure

B- Cisco Network Assurance

C- Cisco UCS Director

D- Cisco Cloud Center

Answer:

C