

300-610^{Q&As}

Designing Cisco Data Center Infrastructure (DCID)

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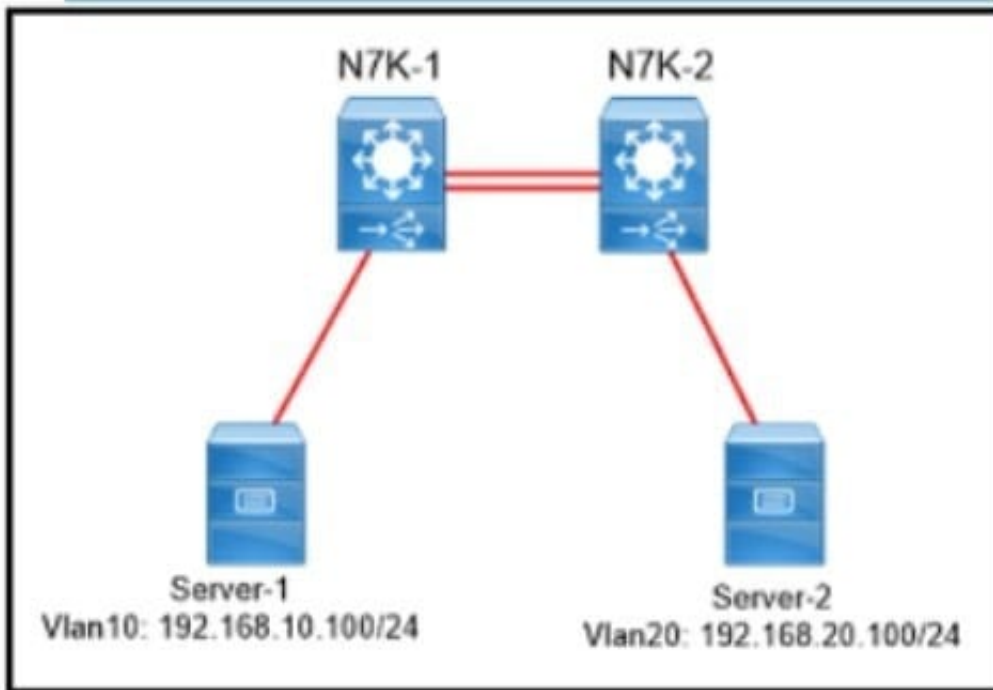
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QUESTION 1

Refer to the exhibit.



An engineer must assign multiple Fibre Channel IDs to a single port channel. Which two features must be enabled this goal? (Choose two.)

- A. SAN Pin Groups on the Cisco UCS Fabric Interconnects.
- B. NPV feature on the Cisco MDS Series.
- C. end-host mode feature on the Cisco UCS Fabric Interconnects
- D. NPIV feature on the Cisco MDS Series
- E. Smart Zoning feature on the Cisco UCS Fabric Interconnects

Correct Answer: CD

end-host on Fabric Interconnect to enabled NPV NPIV enabled on SAN fabric

QUESTION 2

Which approach splits a pair of clustered fabric interconnects into two standalone devices?

- A. Run the disable fips-mode command on each fabric interconnect.
- B. Run the connect local-management command on each fabric interconnect.
- C. Erase the configuration of both fabric interconnects.

D. Unplug the Layer 1 and Layer 2 interfaces between the devices.

Correct Answer: C

<https://community.cisco.com/t5/unified-computing-system/break-fabric-interconnect-cluster-into-2-standalone-fabric/td-p/4123885>

QUESTION 3

Refer to the exhibit.

It is critical that you enable the filtering of FHRP messages across the overlay because it allows the use of the same FHRP configuration in different sites. The end result is that the same default gateway is available, and it is characterized by the same virtual IP and virtual MAC addresses in each data center. Thus the outbound traffic will be able to follow the optimal and shortest path, always using the local default gateway.

The appendix has a sample configuration that can be copied into your Nexus 7000 Series in order to utilize this feature.

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

1.

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

2.

The design must tolerate hardware and software failures and upgrades of SAN fabric devices. Which action must be taken to meet these requirements?

- 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.

Correct Answer: A

QUESTION 4

An architect must automate routine tasks within a data center. The data center exclusively uses Cisco Nexus Series Switches. The networking team lacks proper programming knowledge and prefers an automation solution that leverages NXOS commands. Any configuration change must use HTTPS for transport due to a security compliance requirement. Which solution must the architect choose?

A. NX-API

B. Python-API

C. Chef

D. Terraform

Correct Answer: A

QUESTION 5

Where does Cisco UCS handle Fibre Channel traffic failover?

A. on a Cisco UCS Fabric Interconnect ASIC in Fibre Channel switching mode

B. on the host, by using multipathing software

C. in the hardware on the Cisco UCS VIC 12xx adapter or later

D. in the hardware on any Cisco UCS VIC adapter

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper_c11-701962.html

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