300-610 Q&As

Designing Cisco Data Center Infrastructure (DCID)

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QUESTION 1

A storage engineer requires a solution that achieves multiple paths between a server and storage array. The design must support complete traffic isolation and support a 50% growth in the next year.

Which FCoE solution meets these requirements?

A. single switch with multiple links

B. at least two VSANs across the fabric

C. at least two FC zone sets with multiple zones

D. single VSAN across the fabric

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_2/configuration/guides/dmm/dm mcfg/toplgy.html

QUESTION 2

What are two functions of a Network Services Orchestrator in an NFV environment? (Choose two.)

A. It operates at the resource-facing services layer and provides overall lifecycle management at the network service level.

B. It provides an API-based northbound interface for transparent integration with systems that operate at the resource-facing services layer.

C. It provides a standards-based southbound interface for transparent integration with systems that operate at the customer-facing services layer.

D. It provides a standards-based northbound interface for transparent integration with systems that operate at the customer-facing services layer.

E. It operates at the customer-facing services layer and provides the management interface for the virtual network devices.

Correct Answer: AB

Reference:
https://www.cisco.com/c/en/us/td/docs/net_mgmt/msx/3_4/solution_overview/Cisco_VMS_Sol_Overview.pdf

QUESTION 3

Refer to the exhibit.

To use the cluster configuration, the two fabric interconnects must be directly connected together using Ethernet cables between the L1 (L1-to-L1) and L2 (L2-to-L2) high availability ports, with no other fabric interconnects in between. This allows the two fabric interconnects to continuously monitor the status of each other and quickly know when one has failed.

A customer runs an Online Transaction Processing (OLTP) application on Server1. The application generates a small number of transactions and requires low storage latency. Server2 is a backup server that performs backups twice a day During the backup window, the OLTP application experiences high-latency spikes that affect the application performance The customer must meet these requirements

1.

aintain consistent low I/O latency for the OLTP server.

2.

uarantee I/O throughput for the OLTP server during backup time

3.

llow the customer to keep the existing hardware. Which action must be taken to meet these requirements?

A. Apply a traffic shaper to the FC Switch 1 interface that is facing the server

B. Create a SAN port channel between FC Switch! and FC Switch2.

C. Add another 8G link to the Serverl and create F-Port-channel

D. Configure QoS and scheduler for data traffic on both Fibre Channel switches

Correct Answer: D

QUESTION 4

A cloud service provider is managing day-2 operations of over 200 blade servers installed in the Cisco UCS environment. This pool of network resources is providing virtual networks to their customers. To successfully operate this environment, frequent changes to vNICs and other operational policies are required across multiple UCS domains. The operations team must streamline these repetitive tasks.

Which orchestration tool must be used to meet this requirement?

A. Cisco ACI Multisite Orchestrator

B. Cisco DAN Center

C. Cisco UCS Director

D. Cisco UCS Manager

Correct Answer: A

QUESTION 5

A company has several data centers around the world that must be interconnected over Layer2. The service provider supports MPLS services to all the locations. The proposed solution must be vendor agnostic and scalable enough to support the rapid growth of the company.

Which data center technology is recommended to achieve this goal?

A. OTV

B. VXLANEVPN

C. FabricPath

D. EoMPLS

Correct Answer: B

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