



300-610^{Q&As}

Designing Cisco Data Center Infrastructure (DCID)

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QUESTION 1

An engineer is configuring a Cisco UCS Service Profile template for an environment that will host Windows servers. Some of the servers require access to a Fibre Channel storage network. The design requires the server HBA to send the maximum number of commands to a Fibre Channel disk using a single transmission.

Which action must be taken to meet these requirements?

- A. Set LUN Queue Depth to 240
- B. Decrease Link Down Timeout to 20.000
- C. Disable 10 Timeout Retry
- D. Increase Max Data Field Size to 2096

Correct Answer: A

QUESTION 2

Which pools are used when a vNIC template is created in Cisco UCS Manager?

- A. WWPN
- B. UUID
- C. MAC
- D. IP

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Network-Mgmt/3-1/b_UCSM_Network_Mgmt_Guide_3_1/b_UCSM_Network_Mgmt_Guide_3_1_chapter_0111.html

QUESTION 3

A company purchased a Cisco UCS system with four 5108 Chassis populated with UCS B-Series servers. The environment consists of nine Cisco HyperFlex rack servers. An engineer must provision virtual machines using an orchestration tool to optimize overall deployment time.

Which orchestration must be used to meet this requirement?

- A. Cisco Intersight
- B. Cisco DNA Center
- C. Cisco AppDynamic



D. Cisco Network Assurance

Correct Answer: A

QUESTION 4

An engineer enables the HSRP feature on a Cisco Nexus 7000 Series Switch. It must be ensured that the switch manages packets that are sent to the local vPC MAC address, remote vPC MAC address, and HSRP virtual MAC address.

Which command accomplishes this goal?

- A. peer-switch
- B. peer-gateway
- C. map-server
- D. hsrp preempt

Correct Answer: D

vPC Peer Gateway and HSRP

Some third-party devices can ignore the HSRP virtual MAC address and instead use the source MAC address of an HSRP router. In a vPC environment, the packets using this source MAC address may be sent across the vPC peer link, causing a potential dropped packet. Configure the vPC peer gateway to enable the HSRP routers to directly handle packets sent to the local vPC peer MAC address and the remote vPC peer MAC address, as well as the HSRP virtual MAC

address. See the Cisco Nexus 7000 Series NX-OS Layer 2 Switching Configuration Guide, Release 5.x, for more information on the vPC peer gateway.

QUESTION 5

An engineer must interconnect two geographically separated data centers. The service provider offers a Layer 2 metro Ethernet link. The strict security policy requires that the information that is shared between two sites must be sent encrypted. The application deployed between sites requires a line-rate throughput regardless of the packet size and speed. Which solution meets these requirements?

- A. IPsec
- B. MACsec
- C. L2TPv2
- D. L2TPv3

Correct Answer: B



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