NS0-173 Q&As

Cisco and NetApp FlexPod Design Specialist

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QUESTION 1

A customer is designing a FlexPod Datacenter with Cisco UCS C-Series servers. They intend to manage the solution with Cisco UCS Manager. They want to cable the servers to the Cisco UCS Fabric Interconnects.

In this scenario, which three configurations are supported? (Choose three.)

A. Cluster mode

B. Direct Connect mode

C. SingleConnect mode

D. DualWire Management mode
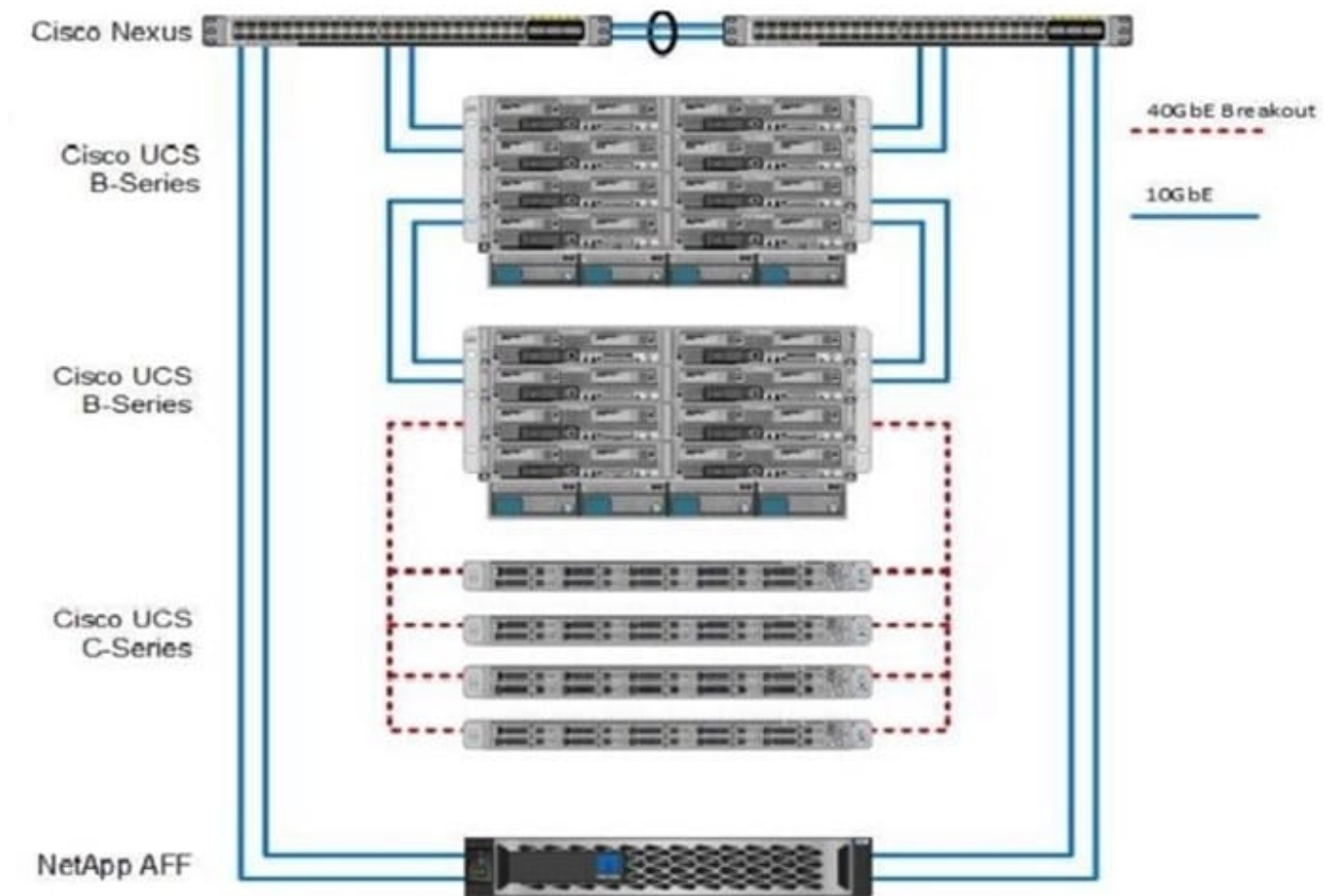
E. Multipath mode

Correct Answer: BCD

Dual-wire Management (Shared LOM): Shared LAN on Motherboard (LOM) ports on the rack server are used exclusively for carrying management traffic. A separate cable connected to one of the ports on the PCIe card carries the data traffic. Using two separate cables for managing data traffic and management traffic is also referred to as dual-wire management. SingleConnect (Sideband): Using Network Controller Sideband Interface (NC-SI), the Cisco VIC card connects one cable that can carry both data traffic and management traffic. This feature is referred to as SingleConnect. Direct Connect Mode: Cisco UCS Manager supports an option to connect the Cisco UCS C-Series Rack-Mount Server directly to the FIs. This option enables Cisco UCS Manager to manage the Cisco UCS C-Series Rack-Mount Servers using a single cable for both management traffic and data traffic. The Cisco UCS VIC connects to the FI of the system. This connection uses a single connection from each VIC to each FI.

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c-series_integration/ucsm4-0/b_C-SeriesIntegration_UCSM4-0/b_C-Series-Integration_UCSM4-0_chapter_01.html

QUESTION 2

Click the Exhibit button.

The total number of servers that a Cisco UCS Mini chassis supports is set to a maximum of how many hosts as shown in the exhibit?

A. 22

B. 12

C. 20

D. 8

Correct Answer: D

QUESTION 3

A client has a FlexPod Datacenter solution with four active fabric links in port channel mode established between the Cisco Fabric Interconnects and the IOMs on a Cisco 5108 blade chassis. The blade chassis is fully populated with Cisco UCS B200M5 blades. A worker in the data center inadvertently unplugs the fourth uplink cable from IOM-A while working in the rack.

In this scenario, what happens to the network traffic?

A. Connectivity for servers 3, 4, 7, and 8 all fail over to IOM-B.

B. There is a loss of connectivity for servers 4 and 8.

C. Traffic is load-balanced within IOM-A.

D. Traffic is load-balanced within IOM-B.

Correct Answer: A

QUESTION 4

Your customer wants assurances that all aspects of FlexPod are highly available.

Which statement is correct in this scenario?

A. Cisco UCS Manager contains multiple UCS domains.

B. Cisco UCS Manager automatically copies its configuration data to a remote data store.

C. Cisco UCS Manager uses active-active architecture.

D. Cisco UCS Manager maintains a replica of configuration information.

Correct Answer: D

The management and data plane of Cisco UCS is designed for high availability and redundant access layer fabric interconnects. In addition, Cisco UCS supports existing high availability and disaster recovery solutions for the data center, such as data replication and application-level clustering technologies. Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/ Infrastructure-Mgmt/3-1/b_UCSM_GUI_Infrastructure_Management_Guide_3_1/ b_UCSM_GUI_Infrastructure_Management_Guide_3_1_chapter_0110.html

QUESTION 5

A FlexPod solution has been configured for iSCSI SAN boot with multiple paths between the server and the storage.

In this scenario, how many initiators (IQNs) per server will need to be added in the corresponding igroup in ONTAP?

A. three

B. one

C. four

D. two

Correct Answer: C

The initator group REST API allows you to create, update, delete, and discover initiator groups, and add and remove initiators that can access the target and associated LUNs. Reference: https://library.netapp.com/ecmdocs/ECMLP2858435/html/resources/igroup.html

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