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Cisco and NetApp FlexPod Design Specialist

Netapp NS0-175

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QUESTION NO: 1

A customer is deploying a FlexPod Datacenter and planning to boot from SAN each their UCS blades using the Fibre Channel Protocol.

In this scenario, which three actions would accomplish their objective? (Choose three.)

- A. Use only a pair of Cisco Nexus 9318YC-FX switches
- B. Create an igroup on the NetApp ONTAP storage system with the appropriate IQNs
- C. Use only a pair of Cisco Nexus 9336C-FX2 switches
- D. Use a pair of Cisco MDS 9148T and a pair of Cisco 9336C-FX2 switches together
- E. Create an igroup on the NetApp ONTAP storage system with the appropriate WWPNs

ANSWER: A B E**QUESTION NO: 2**

A customer wants to upgrade their current VMware vSphere 6.5 environment to vSphere 7.x.

Where would you go to determine which Cisco UCS configurations support this goal?

- A. Cisco UCS Hardware and Software Compatibility List
- B. NetApp Active IQ
- C. NetApp Product Documentation Guides and Resources
- D. FlexPod.com website

ANSWER: A**QUESTION NO: 3**

A customer wants to replace their Cisco UCS 6248UP with the current Cisco UCS 6454. They are currently using six 16 Gbit uplinks per Fabric Interconnect for FC and do not want to change the speed and number of ports used.

In this scenario, what is the minimum number of unified ports that must be configured for FC for a comparable configuration?

- A. 8
- B. 6

C. 16

D. 12

ANSWER: A

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Network-Mgmt/4-0/b_UCSM_Network_Mgmt_Guide_4_0/b_UCSM_Network_Mgmt_Guide_4_0_chapter_0100.html

QUESTION NO: 4

You received from a customer the requirements shown below.

- 25 servers
- 25GbE connectivity
- NFS and iSCSI protocols
- 30 TB flash storage
- 50 TB hybrid storage

In this scenario, which FlexPod solution would satisfy the requirements?

- A.** Cisco UCS 6454 Fabric Interconnect, Cisco B-Series servers, Cisco Nexus 9300 Series, NetApp AFF A400, and FAS2750
- B.** Cisco UCS 6332 Fabric Interconnect, Cisco B-Series servers, Cisco Nexus 9300 Series, NetApp AFF A400, and FAS8300
- C.** Cisco UCS 6454 Fabric Interconnect, Cisco B-Series servers, Cisco Nexus 9300 Series, NetApp AFF A400, and FAS8300
- D.** Cisco UCS 6324 Fabric Interconnect, Cisco B-Series servers, Cisco Nexus 9300 Series, NetApp AFF A400, and FAS2750

ANSWER: B

QUESTION NO: 5

You are designing a FlexPod solution with secure multitenancy for a company. Each department in the company wants to use their own storage and to be integrated with Windows Active Directory.

In this scenario, which three technologies should be included in the design? (Choose three.)

- A.** IPspaces

- B. NVMe
- C. S3
- D. CIFS
- E. Storage Virtual Machine

ANSWER: B D E

QUESTION NO: 6

You are sizing a FlexPod Datacenter solution for multitenancy use.

What are two important platform scaling considerations in this scenario? (Choose two.)

- A. maximum NetApp ONTAP cluster limits
- B. maximum NetApp ONTAP storage VM limits
- C. maximum Cisco vPC interfaces between Fabric Interconnects
- D. maximum Cisco L1, L2 interfaces between Fabric Interconnects

ANSWER: A D

QUESTION NO: 7

You are designing a multi-site FlexPod Datacenter solution for a customer using MetroCluster over IP. The design should include a single set of compliant switches for the environment.

Which two features are required to satisfy this requirement? (Choose two.)

- A. support for Fibre Channel ports
- B. support for an MTU size of 9216
- C. support for unified switch ports
- D. support for QoS

ANSWER: A D

Explanation:

Reference: <https://www.netapp.com/blog/flexpod-datacenter-solutions/>

QUESTION NO: 8

A customer is designing a FlexPod solution that must satisfy the requirements shown below:

-- have disaster recovery to an alternative data center,

-- must have continuous replication of data for a database, -- must leverage a 100Gbps capable switch, -- have a maximum distance of 700 km.

In this scenario, which two components would be used to satisfy the requirements? (Choose two.)

- A. MetroCluster FC
- B. Cisco Nexus 3232C
- C. MetroCluster IP
- D. Cisco MDS 9132T

ANSWER: A C**Explanation:**

Reference: <https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/flexpod-metrocluster-ip-vxlan-multi-site-wp.pdf>

QUESTION NO: 9

A customer has a FlexPod configuration that supports FC and uses Cisco MDS switches. The customer wants to add a 48-Port 32 Gbps Advanced Fibre Channel Switching blade to support both 32 Gbps FC and 32 Gbps NVMe-oF.

In this scenario, which Cisco switch is appropriate?

- A. MDS 9250i
- B. MDS 9706
- C. MDS 9148S
- D. MDS 9396S

ANSWER: C**QUESTION NO: 10**

A customer plans to decommission a Cisco UCS B-Series server, as part of this action, the customer disassociates the service profile from the currently assigned server.

Which action is performed by UCS Manager in this scenario?

- A. It reboots the primary Fabric Interconnect immediately
- B. It recalculates the power allotment for each blade server within the chassis
- C. It reboots the secondary Fabric Interconnect immediately
- D. It powers down the server

ANSWER: A

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ts/faults/reference/3-1/UCSFaultsErrorsRef_3-1/UCS_SEMs_3-1.html