

# NS0-175<sup>Q&As</sup>

Cisco and NetApp FlexPod Design Specialist

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**QUESTION 1**

You are designing a FlexPod solution that requires 100GbE connectivity between all components.

In this scenario, what are two NetApp Controller types that would satisfy the requirement? (Choose two.)

- A. NetApp AFF A220
- B. NetApp AFF C190
- C. NetApp AFF A800
- D. NetApp AFF A400

Correct Answer: AD

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**QUESTION 2**

A customer wants a low latency and high IOPS FlexPod solution and decides on an end-to-end NVMe design.

In this scenario, which three components are required to accomplish this task? (Choose three.)

- A. NetApp FAS with a 32Gbps FC HBA
- B. Cisco Application Policy Infrastructure Controller (APIC)
- C. Cisco MDS Series switches
- D. NetApp AFF with a 32Gbps FC HBA
- E. Cisco UCS Virtual Interface Card (VIC) 1400 series

Correct Answer: CDE

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**QUESTION 3**

You are asked to design a new FlexPod solution that will host VMware virtual machines using NFS datastores, file services using SMB, and NFS-mounted home directories. You need to ensure that the network traffic of these three use cases are isolated?

In this scenario, which supported end-to-end network topology would be used to accomplish this task?

- A. VSAN
- B. VXLAN
- C. VLAN

D. vPC

Correct Answer: CD

Reference: <https://www.netapp.com/media/12451-nva-1110-fp-design.pdf>

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#### QUESTION 4

A customer wants to refresh their FlexPod solution by moving from 10 Gbps to 40 Gbps networking. They use FCoE to boot from SAN.

In this scenario, which statement is true?

- A. FCoE is supported for 32 Gbps adapters
- B. FCoE is supported for 25 Gbps adapters
- C. FCoE is supported for 40 Gbps adapters
- D. FCoE is supported on only 10 Gbps unified adapters

Correct Answer: C

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#### QUESTION 5

You are sizing a FlexPod Virtual Desktop solution for a customer with 500 virtual desktops in a shared Remote Desktop Services (RDS) topology.

In this scenario, which Cisco best practice should you use?

- A. You should avoid placing more than 20 users per physical host
- B. You should avoid over-committing physical CPU resources for virtual machines
- C. You should avoid changing the virtual host disk queue depth
- D. You should avoid multiple vCPUs per individual virtual machine

Correct Answer: B

Reference: [https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/View51\\_on\\_FlexPod\\_Design\\_Guide.pdf](https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/View51_on_FlexPod_Design_Guide.pdf)

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#### QUESTION 6

During a design meeting, a customer states that their goal is to deliver continuous availability across both network and storage during business continuity events. The customer has two data centers that are 80 km apart, and they want the configuration to be as logically unified across both sites as possible.

In this scenario, which FlexPod data protection solution achieves this goal?

- A. FlexPod with NetApp Cloud Sync
- B. FlexPod with NetApp SnapCenter
- C. FlexPod with NetApp MetroCluster IP
- D. FlexPod with NetApp FabricPool

Correct Answer: C

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#### QUESTION 7

Your customer wants to change from local boot to SAN boot for the compute layer. What must be present on the network layer to meet the customer's design change?

- A. NFS
- B. CIFS
- C. IQN
- D. FC

Correct Answer: D

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#### QUESTION 8

A customer wants to deploy a FlexPod Datacenter solution in a limited amount of rack space. After planning for the networking and storage devices required for the deployment, they realize they have six rack units of space remaining. They need to install as many servers as possible in this available rack space.

In this scenario, which solution allows them to accomplish their objective?

- A. three Cisco UCS C4200 rack servers
- B. four Cisco UCS B480 M blade servers
- C. six Cisco UCS C220 M5 rack servers
- D. eight Cisco UCS B200 M5 blade servers

Correct Answer: D

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/UCS\\_CVDs/flexpod\\_vmware\\_vs\\_7\\_design.html#\\_Toc58868310](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/UCS_CVDs/flexpod_vmware_vs_7_design.html#_Toc58868310)

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**QUESTION 9**

A customer with a FlexPod solution wants to expand their NetApp ONTAP 9.7 switchless cluster. The new hardware must support expansion slots. In addition, they will also upgrade to a 100 Gbps-capable cluster interconnect switch for future growth.

In this scenario, which two additional components will satisfy the requirement? (Choose two.)

- A. Nexus 3232C
- B. Nexus N3132Q-V
- C. NetApp FAS2720
- D. NetApp AFF A400

Correct Answer: AB

Reference: [https://docs.netapp.com/us-en/flexpod/pdfs/sidebar/FlexPod\\_Datacenter\\_Technical\\_Specifications.pdf](https://docs.netapp.com/us-en/flexpod/pdfs/sidebar/FlexPod_Datacenter_Technical_Specifications.pdf) (26)

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**QUESTION 10**

You want to direct-connect NetApp storage to a UCS Mini over IP. In this scenario, which storage protocol is supported?

- A. CIFS
- B. FC
- C. S3
- D. iSCSI

Correct Answer: B

Reference: [https://www.cisco.com/c/dam/en/us/td/docs/unified\\_computing/ucs/UCS\\_CVDs/flexpod\\_ucsmmini\\_design.pdf](https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/UCS_CVDs/flexpod_ucsmmini_design.pdf)

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