

Practice Exam Questions



Cisco and NetApp FlexPod Design Specialist



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Exam NS0-175

Cisco and NetApp FlexPod Design Specialist

Version: 3.1

[Total Questions: 60]

Question No : 1

A customer wants to add 40 Gbps networking capabilities to a FlexPod Datacenter 10 Gbps environment.

Which two Cisco components support this speed? (Choose two.)

- A. Cisco Nexus 9504
- B. Cisco UCS 1440 VIC
- C. Cisco Nexus 3550-F
- D. Cisco UCS 1455 VIC

Answer: B,C

Question No : 2

You have designed a FlexPod configuration with VXLAN configured on Cisco Nexus 9000 Series switches operating in NX-OS mode.

Which two statements are true in this scenario? (Choose two.)

- A. VXLAN segments are independent of the underlying network topology
- B. VXLAN is supported only on Cisco MDS 9000 Series switches
- C. VXLAN supports the Spanning Tree Protocol for loop prevention
- D. VXLAN is a Layer 2 overlay scheme over a Layer 3 network

Answer: C,D

Question No : 3

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

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

Question No : 4

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 : 5

A customer deployed a FlexPod Datacenter solution six months ago that included Cisco UCS 6332 Fabric Interconnects with the default port license enabled. They will be performing an upgrade to the system which requires a reboot of the Fabric Interconnects (FI) and they want to ensure that the servers are available after the reboot.

In this scenario, how many ports on the FI will be active after the reboot?

- A. 16 ports
- B. 4 ports
- C. 8 ports
- D. 32 ports

Answer: A

Question No : 6

You want to use Cisco UCS Manager on the Fabric Interconnects to manage attached C-Series servers.

Which two connection topologies would satisfy the requirements? (Choose two.)

- A. Fabric Interconnects uplinked to Nexus switches
- B. Servers directly connected to the Fabric Interconnects
- C. Fabric Interconnects uplinked to MDS switches
- D. Fabric Interconnects uplinked to Fabric Extenders

Answer: B,C

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

Question No : 7

A customer has reviewed the latest vSphere CVD and asks you if they can use their older Cisco servers in the new FlexPod solution and still have supported configuration.

Which statement is true in this scenario?

- A. FlexPod configurations are fully supported if they follow the technical specifications and compatibility matrices.
- B. FlexPod configurations are fully supported if they follow a specific Cisco Validated Design.
- C. FlexPod configurations are fully supported regardless of the equipment used.
- D. FlexPod configurations are fully supported if they follow a specific NetApp Verified Architecture.

Answer: B

Reference: <https://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/flexpod/flexpod-solution-overview.pdf>

Question No : 8

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

Answer: A,B

Reference: https://docs.netapp.com/us-en/flexpod/pdfs/sidebar/FlexPod_Datacenter_Technical_Specifications.pdf (26)

Question No : 9

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

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

Question No : 10

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

Answer: B

Reference:

https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/View51_on_FlexPod_Design_Guide.pdf

Question No : 11

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

Answer: C

Question No : 12

You are designing a new FlexPod solution to use with VMware vSphere by using NFS datastores and want to ensure maximum availability by using a vPC.

In this scenario, on which Cisco component would you configure vPC interfaces?

- A. Cisco UCS Fabric Interconnect
- B. Cisco MDS switches
- C. Cisco Nexus switches
- D. UCS B-Series blade server

Answer: C

Reference:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/UCS_CVDs/flexpod_vmware_vs_7_design.html

Question No : 13

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

Answer: A,D

Question No : 14

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 fair 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 : 15

An administrator wants to ensure secure authentication while accessing a NetApp ONTAP system.

In this scenario, which two access methods should be used? (Choose two.)

- A. RSH
- B. SSH

- C. HTTPS
- D. HTTP

Answer: A,B

Reference: <https://www.netapp.com/fr/media/10674-tr4569.pdf>

Question No : 16

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

Answer: C

Question No : 17

You are asked to ensure link redundancy to your hosts using Virtual Port Channel (vPC). You are creating a vPC on a pair of Cisco Nexus switches.

In this scenario, which two steps are required to accomplish this task? (Choose two.)

- A. Set all vPC ports to switchport mode access
- B. Configure the vPC peer keep-alive link
- C. Create a vPC domain
- D. Configure system priority

Answer: B,C

Question No : 18

A customer wants to deploy a FlexPod Datacenter solution that supports a secure multitenant design with VMware vSphere 6.x as the hypervisor. The customer wants to ensure that virtual machines are encrypted in transit and at rest and restricted to their specified tenant.

Which component should the customer use to implement this capability?

- A. Cisco TrustSec
- B. NetApp Storage Encryption
- C. NetApp Volume Encryption
- D. VMware vSphere virtual machine encryption

Answer: B

Question No : 19

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

Answer: B

Reference:

https://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/UCS_CVDs/flexpod_ucsmini_design.pdf

Question No : 20

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