

**Network Appliance.Pre.NS0-175.by.VCEplus.60q - DEMO**

Number: NS0-175  
Passing Score: 800  
Time Limit: 120 min  
File Version: 1.0



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**NS0-175**

**Cisco and NetApp FlexPod Design Specialist**



## Exam A

**QUESTION 1** 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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

## QUESTION 2

You are developing a FlexPod solution with a MetroCluster IP as the storage solution.

In this scenario, which two components are supported? (Choose two.)

- A. NetApp AFF C190
- B. Cisco Nexus 3524-X/XL
- C. Cisco Nexus 3232C
- D. NetApp AFF A400

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

## QUESTION 3

You are asked to evaluate SaaS-based monitoring solutions for your FlexPod environment. Other than being SaaS-delivered, selection criteria include full lifecycle management, environment automation, and the ability to monitor third-party storage that is salted for retirement.

In this scenario, which product satisfies the requirements?

- A. NetApp Cloud Insights
- B. NetApp OnCommand Insight
- C. Cisco UCS Manager
- D. Cisco Intersight

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://cloud.netapp.com/hubfs/WP-7302-Cloud-Insights-Monitoring-Guide.pdf>

**QUESTION 4** A customer wants to use a Cisco Nexus 93180YC-FX switch to support the FC protocol for booting from SAN without having to deploy additional Cisco 900 Series MDS switches in their FlexPod Datacenter configuration.

In this scenario, what is required for this solution?



- A. The customer must enable the FC license on the 93180YC-FX switch
- B. The customer must deploy the 93180YC-FX switch as part of a Cisco ACI fabric
- C. The customer must directly connect the NetApp AFF system to the Cisco UCS Fabric Interconnects
- D. The customer must add an expansion FC module to the 93180YC-FX switch

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/UCS\\_CVDs/fp\\_vmware\\_vsphere\\_7\\_0\\_ontap\\_9\\_7.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/UCS_CVDs/fp_vmware_vsphere_7_0_ontap_9_7.html)

#### QUESTION 5

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

#### QUESTION 6

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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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)

#### QUESTION 7

You have a FlexPod solution that consists of a NetApp AFF A800 storage system, a Cisco MDS 9148S switch, and a Cisco UCS 6232 Fabric Interconnect. You want to upgrade NetApp ONTAP software on the AFF A800 to take advantage of a new feature.

In this scenario, which three tools would enable you to verify if the upgrade would be performed safely? (Choose three.)

- A. NetApp Interoperability Matrix Tool
- B. Cisco Intersight
- C. Cisco Data Center Network Manager
- D. Cisco UCS Hardware and Software Compatibility List
- E. NetApp Active IQ Upgrade Advisor

**Correct Answer:** ABC

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

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

**QUESTION 9** What are three requirements for all FlexPod Datacenter solutions?

(Choose three.)

- A. two NetApp storage controllers in a high-availability (HA) pair configuration
- B. a separate 100 Mbps Ethernet/1 Gbps Ethernet out-of-band management network
- C. a pair of Fabric Extenders in a redundant configuration
- D. two Cisco UCS 6200, 6300, or 6400 Series Fabric Interconnects in a redundant configuration
- E. redundant boot-from-SAN LUN paths

**Correct Answer: CDE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

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**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

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)

**QUESTION 11**

A customer is verifying that they have separation on their FC switch fabric to protect their FlexPod solution from their other storage devices.

Which two technologies enable the customer to accomplish this task? (Choose two.)

- A. WWPN zoning
- B. VASN
- C. IQN igroup
- D. VLAN

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 12

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

**Correct Answer:** ABE

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 13

A customer is unhappy with their current data center infrastructure. They want to purchase a FlexPod system to replace it. The customer asks you to help them understand the benefits of Solution Support to determine which support model would suit them best.

In this scenario, which three statements are correct? (Choose three.)

- A. You have a single point of contact for all cases
- B. Solution Support is a lower-cost support option
- C. There is no need to diagnose the problem before you call support
- D. Customers do not need to open tickets; all issues are automatically reported
- E. Issues are solved by solution experts

**Correct Answer:** ABE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 14

Your environment currently has a 12-node NetApp cluster serving iSCSI. You need to add at least four more nodes to serve FC to your environment.

In this scenario, what should you do?

- A. You can safely add up to 4 more storage controllers in the current cluster
- B. You can safely add up to 6 more storage controllers in the current cluster
- C. You must create a new cluster with the new storage controllers

D. You can safely add up to 12 more storage controllers in the current cluster

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 15

A customer wants to upgrade their code fabric between each site with a modular chassis switch that supports up to 400GbE per port to accommodate more business transaction volume.

In this scenario, which device would help them accomplish their objective?

- A. Cisco Nexus 9504
- B. Cisco Nexus 9332C
- C. Cisco MDS 9706
- D. Cisco Catalyst 9400

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/solutions/data-center/high-capacity-400g-data-center-networking/index.html>

#### QUESTION 16

You have a customer that wants to deploy a new data center environment and take advantage of server portability. You propose that they use Cisco UCS servers to take advantage of stateless computing operations.

In this scenario, which Cisco UCS feature would help the customer achieve their objective?

- A. SEL logs
- B. MAC address pools
- C. Service Profiles
- D. VSANs

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://community.cisco.com/t5/data-center-documents/what-is-stateless-computing-in-ucs/ta-p/3116244>

#### QUESTION 17

A customer has configured a FlexPod solution and is experiencing issues with connectivity from the Cisco Nexus switches to the NetApp AFF controllers. The customer must verify connectivity using the FC protocol. What

are two ways to troubleshoot this problem? (Choose two.)

- A. Use the WWNN
- B. Use the WWPN
- C. Use the FCID
- D. Use Domain ID

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 18**

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

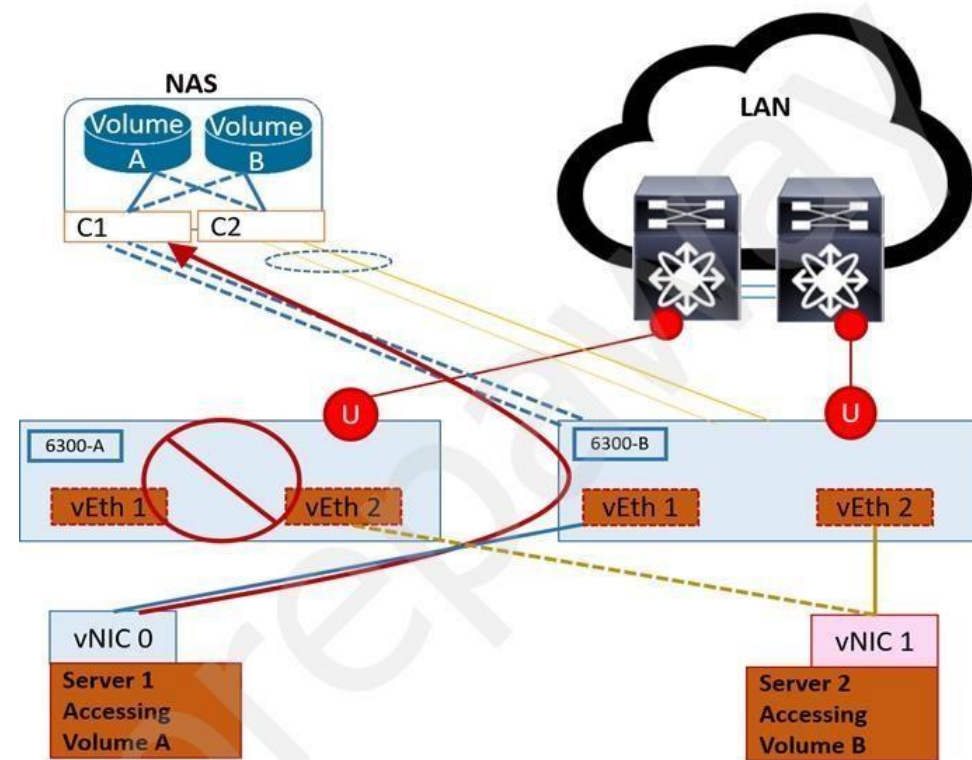
**Explanation/Reference:**

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](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 19** Click the

Exhibit button.

Exhibit 1.



**Figure 1**

draw18921



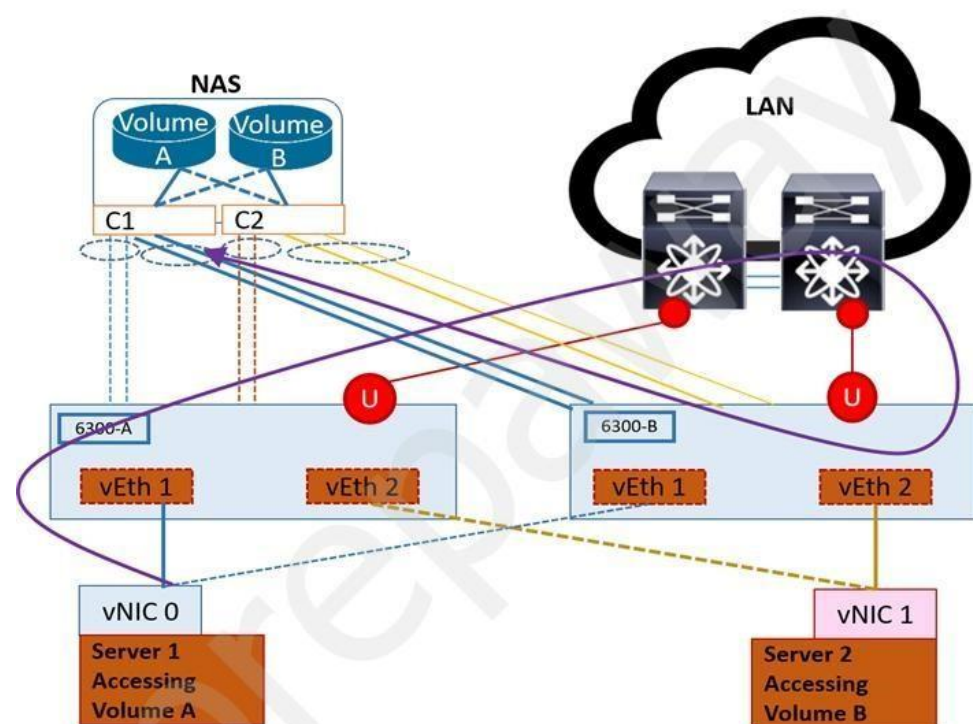
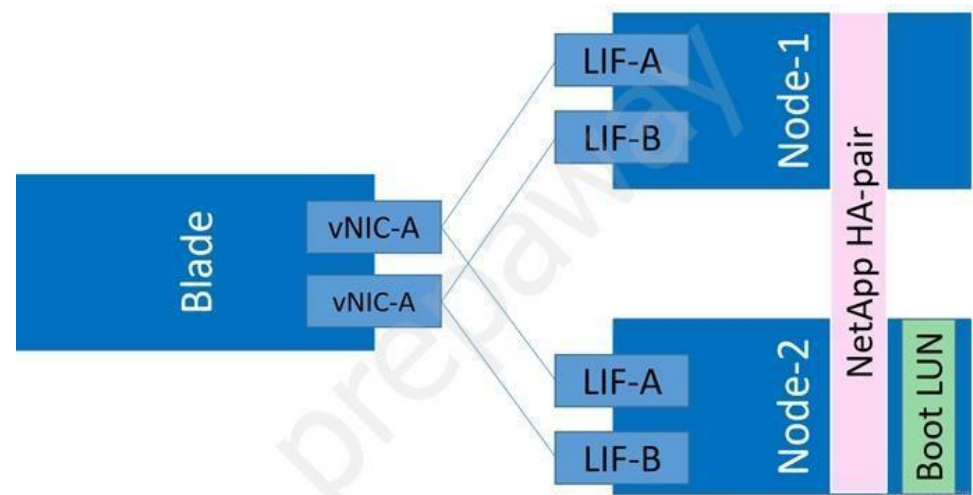


Figure 2

Exhibit 2.



Referring to the exhibit, UCS Fabric Interconnect 6300-A fails as shown in Figure 1. Due to the storage LIF configuration, after UCS Fabric Interconnect 6300-A is restored, traffic flows as shown in Figure 2.

To enable this capability, on which two UCS port types should storage VLANs be accessible? (Choose two.)

- A. uplink ports
- B. appliance ports
- C. fabric ports
- D. switch ports

**Correct Answer:** AB

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Getting-Started/3-2/b\\_UCSM\\_Getting\\_Started\\_Guide\\_3\\_2/b\\_UCSM\\_Getting\\_Started\\_Guide\\_3\\_2\\_chapter\\_010.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Getting-Started/3-2/b_UCSM_Getting_Started_Guide_3_2/b_UCSM_Getting_Started_Guide_3_2_chapter_010.pdf) (8)

**QUESTION 20**

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

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 21** Which Cisco UCS Fabric Interconnect model has multiple 100 Gbps ports available for use?

- A. Cisco UCS 6332
- B. Cisco UCS 6324
- C. Cisco UCS 6454
- D. Cisco UCS 6332-16UP

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/6400-specsheet.pdf>

**QUESTION 22** You want to ass a customer's NetApp storage controllers into their Cisco Intersight management portal.

In this scenario, which IP address would you choose to add?

- A. NetApp SVM management IP address
- B. NetApp Active IQ Unified Manager IP address
- C. NetApp cluster IP address
- D. NetApp Virtual Storage Console IP address

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23** 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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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)

**QUESTION 24** 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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 25** A customer wants a FlexPod solution that is designed for high performance applications and that will support 32 Gbps Fibre Channel block storage.

In this scenario, which two components should you recommend to the customer? (Choose two.)

- A. NetApp AFF C190
- B. NetApp AFF A800
- C. Cisco Nexus 93180YC-FX
- D. Cisco Nexus 9504

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 26** 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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 27**

A customer has decided to deploy Red Hat OpenShift on a FlexPod solution, based in a published Cisco Validated Design. The customer intends to use the NetApp Trident to attach persistent storage to the customer's containers from the customer's NetApp AFF controllers.

In this scenario, which two storage protocols are supported? (Choose two.)

- A. iSCSI
- B. FC
- C. NFS
- D. SMB

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 28**

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



**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 29** A partner wants to develop a FlexPod Datacenter solution for a customer that will use Cisco ACI.

In contrast to a FlexPod solution with NX-OS, which two additional requirements must be satisfied? (Choose two.)

- A. Use two Cisco Application Policy Infrastructure Controllers (APICs)
- B. Deploy the Cisco Nexus 900 Series Switches in a core-edge topology
- C. Deploy the Cisco Nexus 900 Series Switches in a leaf-spine topology
- D. Use three Cisco Application Policy Infrastructure Controllers (APICs)

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

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

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 31

You are creating a FlexPod with a significant AI workload and would like to use NVIDIA's SXM2-based GPUs.

Which Cisco UCS server would you use in this scenario?

- A. Cisco UCS C240 M5
- B. Cisco UCS B200 M5
- C. Cisco UCS C480 ML M5
- D. Cisco UCS C125 M5

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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)

#### QUESTION 32

A customer has a workload that requires an extremely dense deployment of CPU cores. For this workload, they have chosen to deploy servers that use AMD EPYC processors.

Which Cisco UCS server product would you use to satisfy this workload demand?

- A. Cisco UCS C240 M5
- B. Cisco UCS B480 M5
- C. Cisco UCS B200 M5
- D. Cisco UCS C125 M5

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-c4200-series-rack-server-chassis/cisco-ucs-c125-m5-servers-horizon.html>

#### QUESTION 33

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

You are working with a customer on a new FlexPod solution. The customer advises you that they want a single point of contact for support issues.

In this scenario, which two support solutions should you offer the customer? (Choose two.)

- A. Cisco SmartNet Total Care
- B. NetApp SupportEdge Expert
- C. NetApp Solution Support for FlexPod
- D. Cisco Solution Support

**Correct Answer: AC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 36** 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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 37** Which two support account levels are minimally required when you deploy a FlexPod Datacenter solution? (Choose two.)

- A. NetApp SupportEdge Expert NBD
- B. Cisco SmartNet Total Care 24x7x4
- C. NetApp SupportEdge Advisor 24x7x4
- D. Cisco Solution Support 24x7x4

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 38** What are the 1U, rack mountable, Fabric Extenders (FEX) used for in a FlexPod environment?

- A. to allow for the UCS C-Series to be connected to the Fabric Interconnects
- B. to allow for the UCS S-Series to be connected to the Fabric Interconnects
- C. to allow for extra UCS Blade Chassis to use the Fabric Interconnects
- D. to allow for the UCS B-Series to be connected to the Fabric Interconnects

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 39** Which three cables are allowed to be used between a NetApp cluster node and a Nexus switch for use with a port channel? (Choose three.)

- A. seven meter Active Optical Cable (AOC)
- B. five meter OM4 fiber optic cable
- C. seven meter passive Twinax cableD. five meter passive Twinax cable
- E. seven meter OM4 fiber optic cable

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 40** 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

**Correct Answer:** BC

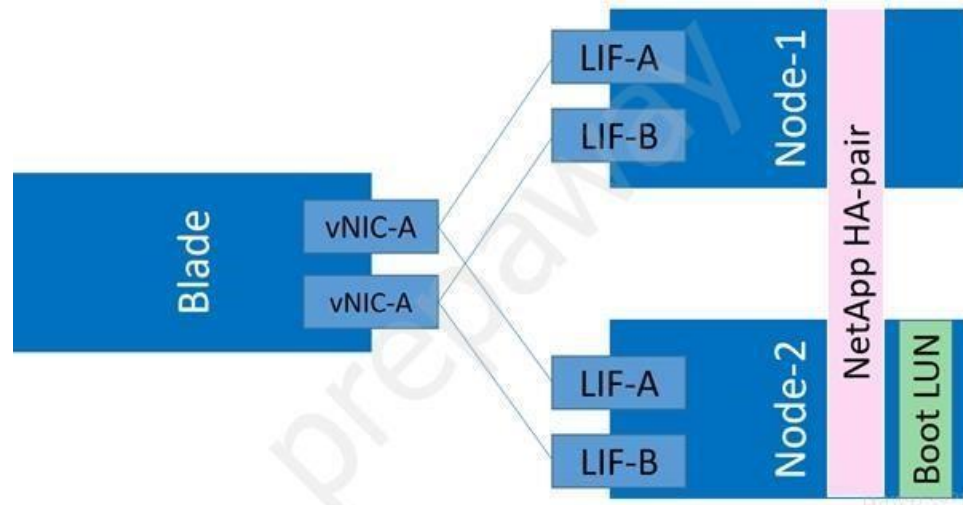
**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 41**

Click the Exhibit button.



You are building a new FlexPod system booting from SAN.

Referring to the exhibit, how many paths will there be to the target LUN?

- A. 1
- B. 2
- C. 8
- D. 4

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 42

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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 43** 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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 44** 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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 45** 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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 46**

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

**Section: (none)**

**Explanation**

**Explanation/Reference:**

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)

**QUESTION 47**

An administrator is designing a FlexPod solution with NetApp ONTAP 9.7 software with a logical separation of data for each department.

In this scenario, which two components must be part of the design? (Choose two.)

- A. IPspaces
- B. volumes
- C. virtual port channels
- D. Storage Virtual Machines

**Correct Answer: AB**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 48** 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**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 49**

You want to ensure the uniqueness of the Cisco UCS WWNNs and WWPNNs in the SAN for a FlexPod solution.

In this situation, Cisco recommends using which WWN prefix for all blocks in a pool?

- A. 30:00:00:25:B5:XX:XX:XX
- B. 40:00:00:25:B5:XX:XX:XX
- C. 20:00:00:25:B5:XX:XX:XX
- D. 60:00:00:25:B5:XX:XX:XX

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Storage-Mgmt/4-0/b\\_UCSM\\_GUI\\_Storage\\_Management\\_Guide\\_4\\_0/b\\_UCSM\\_GUI\\_Storage\\_Management\\_Guide\\_4\\_0\\_chapter\\_0111.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Storage-Mgmt/4-0/b_UCSM_GUI_Storage_Management_Guide_4_0/b_UCSM_GUI_Storage_Management_Guide_4_0_chapter_0111.html)

**QUESTION 50**

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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](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 51** 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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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



**QUESTION 52**

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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 53** 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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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](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 54**

A customer wants to deploy Cisco Intersight into their FlexPod environment. The customer is using the Cisco Intersight SaaS model.

In this scenario, which two virtual machines are required to support this requirement? (Choose two.)

- A. Cisco UCS Fabric Interconnect
- B. NetApp Active IQ Unified Manager
- C. Cisco Intersight Virtual Appliance
- D. NetApp Virtual Storage Console

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-x-series-modular-system/flex-pod-datacenter-ucs-intersight.html>

**QUESTION 55**

In which two sources would you verify scale out maximums for NetApp and Cisco UCS environments? (Choose two.)

- A. Cisco Configurations Limits
- B. Cisco UCS Hardware and Software Compatibility List
- C. NetApp Hardware Universe
- D. NetApp Interoperability Matrix



**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

A customer is performing a server refresh of their FlexPod solution to accommodate business growth. The customer is interested in using Cisco C-Series servers, and supporting multiple 40 Gbps link to each server, upgrading from the existing 10 Gbps links.

Which two VICs support these requirements? (Choose two.)

- A. Cisco UCS 1480 VIC
- B. Cisco UCS 1497 VIC C. Cisco UCS 1495 VIC
- D. Cisco UCS 1440 VIC

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/UCS\\_CVDs/flexpod\\_sap\\_ucsm40\\_fcsan\\_design.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/UCS_CVDs/flexpod_sap_ucsm40_fcsan_design.html)

**QUESTION 57** A customer with a FlexPod Datacenter solution wants to enable user access on UCS Manager.

In this scenario, which three authentication methods would be configured? (Choose three.)

- A. NetBIOS
- B. LDAP
- C. Local
- D. Active Directory
- E. Workgroup

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 58

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

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 59

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.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

#### QUESTION 60

You have taken over management of an existing FlexPod system as part of a new job role. You want to find details of existing support and service contracts available for the system.

Which two resources would you use to find this information? (Choose two.)

- A. NetApp Interoperability Matrix Tool
- B. Cisco Device Coverage Checker Tool
- C. NetApp Support website

D. FlexPod.com website

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

