



Free Questions for 300-610 by certsinside

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Question 1

Question Type: MultipleChoice

A customer wants to deploy a Layer 2 extension over a transport infrastructure for multiple data centers. The data center technology should support a localized Layer 3 gateway, a separate flooding domain, and STP isolation per data center. Which DCI technology meets these requirements

Options:

- A) Pseudowire
- B) VXLAN EVPN
- C) E-Line
- D) E-LAN

Answer:

B

Question 2

Question Type: MultipleChoice

An engineer designs a Cisco UCS solution that must provide guaranteed and deterministic bandwidth to a specific server in the environment. The solution must apply to network and storage traffic of C-Series and BSeries servers.

Which solution should be included to meet these requirements?

Options:

- A) Pin the vNICs and the vHBAs of the service profile to dedicated uplink ports.
- B) Pin the IOM ports of the service profile to dedicated server ports.
- C) Pin the server ports of the service profile to dedicated uplink ports.
- D) Pin the vNICs and vHBAs of the service profile to dedicated server ports.

Answer:

C

Question 3

Question Type: MultipleChoice

An engineer must connect an existing Cisco UCS Fabric Interconnect to an IP-based storage array. The connection must be a port channel made directly between the fabric interconnect expansion module and the storage array. The engineer must also consider that the environment is running FCoE for storage and uses QoS to prioritize traffic.

Which port type should be used to meet these requirements?

Options:

- A) network
- B) uplink
- C) server
- D) appliance

Answer:

B

Question 4

Question Type: MultipleChoice

A customer needs to deploy a three-tier network architecture that will consist of web, app, and other businesscritical applications. The solution will include Cisco UCS 6324 Fabric Interconnects managing B and C series servers. The fabric interconnects will be connected to the Cisco Nexus 7706 Series Switch for network access.

A storage array will be directly connected to the UCS fabric interconnects.

Which UCS deployment type must be used to meet these requirements?

Options:

A) UCS interconnect in Ethernet switching mode

UCS interconnect in Fibre Channel switching mode

Fabric Interconnects uplinked to the Nexus device using an LACP port-channel in passive mode

B) UCS interconnect in Ethernet end-host mode

UCS interconnect in Fibre Channel end-host mode

Fabric Interconnects uplinked to the Nexus device using an LACP port-channel in passive mode

C) UCS interconnect in Ethernet end-host mode

UCS interconnect in Fibre Channel switching mode

Fabric Interconnects uplinked to the Nexus device using an LACP port-channel in active mode

D) UCS interconnect in Ethernet switching mode

UCS interconnect in Fibre Channel end-host mode

Fabric Interconnects uplinked to the Nexus device using an LACP port-channel in active mode

Answer:

D

Question 5

Question Type: MultipleChoice

A network engineer is implementing Cisco UCS Manager with Cisco UCS Central integration. The company's strict security policies require that the logical profile of virtual network adapters and logical addressing assigned to Cisco UCS servers be managed by the Cisco UCS Manager. The users must also be prevented from being able to acknowledge pending activities in the Cisco UCS Manager.

Which two profiles must be used to meet these requirements? (Choose two.)

Options:

- A) global maintenance
- B) local service
- C) local power
- D) restricted chassis
- E) public network control

Answer:

B, E

Question 6

Question Type: MultipleChoice

A network architect proposes a distinct Fibre Channel fabric to be used for a Cisco UCS blade server that hosts critical applications.

Which action should be implemented for the Fibre Channel traffic from the vHBA of this server to pass through the I/O Module in the Cisco UCS chassis to a specified uplink Fibre Channel port?

Options:

- A) Update the applied global QoS policy.
- B) Update the applied Fibre Channel adapter policy.
- C) Enable Persistent Binding in the vHBA policy.
- D) Include a SAN pin group in the vHBA policy.

Answer:

B

Question 7

Question Type: MultipleChoice

An engineer configured the OSPF protocol in the vPC topology. During the catastrophic failure of one of the vPC member switches, the traffic was routed to a black hole. This route was caused by the long convergence time caused by the delay of the vPC member switch reboot. After the failure, the engineer rebooted both switches, but the secondary switch powered on before the primary one. It caused all the vPCs to be shut down due to consistency-check violations.

Which two features must be used to prevent these situations from happening in the future? (Choose two.)

Options:

- A) peer-gateway
- B) ip arp synchronize
- C) delay restore
- D) auto-recovery
- E) system priority

Answer:

C, D

Question 8

Question Type: MultipleChoice

An engineer must interconnect two geographically separated data centers. The service provider offers a Layer 2 Metro Ethernet link. The strict security policy requires that the information that is shared between two sites must be sent encrypted. The application deployed between two sites requires a line-rate throughput regardless

of the packet size and speed.

Which solution meets these requirements?

Options:

A) L2TPv2

B) IPsec

C) MACsec

D) L2TPv3

Answer:

C

Question 9

Question Type: MultipleChoice

An engineer must build a VXLAN flood-and-learn network. The customer requires the solution to be based on the IETF documented practice in RFC 7348. The solution must use broadcast, unknown unicast, and multicast (BUM) and include the efficient BUM and short BUM replication modes that use only shared trees.

Which technology meets these requirements?

Options:

A) MVPN

B) PIM sparse mode

C) PIM SSM

D) Bidirectional PIM

Answer:

B

Explanation:

[flexpod_esxi70_vxlan_evpn_design.html](#)

Question 10

Question Type: MultipleChoice

After experiencing traffic disruptions from the failure of a single router, a customer asks an engineer to design a solution that will prevent this from occurring in the future. While examining the customer's environment, the engineer discovers that the routers are manufactured by a variety of different vendors, and they have varying amounts of CPU and memory resources. Additionally, several of the customer's applications require the ability

to fine-tune the load-balancing parameters between multiple gateway routers.

Which solution should be used to meet these requirements?

Options:

- A) VRRP
- B) FHRP
- C) HSRP
- D) GLBP

Answer:

A

Question 11

Question Type: MultipleChoice

A network engineer designs a Cisco Nexus data center network for a client-server farm using a pair of Nexus 9000 Series Switches in a vPC setup. Each server connects with two interfaces to both Nexus switches. The Nexus switches must always initiate the negotiation with the server.

Which feature should be used in this design to ensure traffic is forwarded from the server to the data center network?

Options:

- A) PAgP mode desirable
- B) LACP mode auto
- C) LACP mode active
- D) PAgP mode auto

Answer:

C

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