



Free Questions for 300-610

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Question 1

Question Type: MultipleChoice

To help automate the vHBA configuration process, a network engineer is configuring vHBA template pairs on UCS. The engineer is creating primary and secondary templates to define how vHBAs on a server connect to the SAN. Which fact about the template pair should the engineer consider for its potential impact on service?

Options:

- A- The QoS policy configuration will not be shared between the two templates
- B- The description configuration will be shared between the two templates
- C- The WWPN pool configuration will not be shared between the two templates.
- D- The fabric ID configuration will be shared between the two templates

Answer:

A

Question 2

Question Type: MultipleChoice

A company's data center is currently running on a traditional SAN architecture with Cisco UCS C200 M5 Blade Servers, producing 1000 IOPS. The SAN is becoming a performance bottleneck, so management decided to implement a new solution to provide better performance and scalability. The preferred solution must meet these requirements:

- *Provide at least 10x the performance of the current SAN
- *Provide up to 100 Gbps of throughput per node
- *Be easily scalable to meet the future needs of the enterprise

Which solution must the company deploy to meet the requirements?

Options:

- A- Cisco HyperFlex which provides a high-performance, scalable, and reliable hyperconverged infrastructure design
- B- ACI solution compatible with the current data center design to unlock workload mobility and

provide flexible, effective scalability

C- cloud-based virtual server infrastructure, which provides a scalable, easy-to-manage approach with reduced budget pressure

D- VMware vSAN solution, which provides storage mobility while remaining compatible with the existing Cisco UCS server infrastructure

Answer:

A

Question 3

Question Type: MultipleChoice

A Cisco engineer is discussing a data center design scenario that consists of 24 Cisco UCS B200M6 Wade servers, 2 Cisco UCS 6454 Fabric Interconnects, and 3 Cisco UCS 5108 server chassis. In the proposed configuration, the server links, which are vNICs on the blades, are associated with a single uplink port. Server-to-server Layer 2 traffic is locally switched, server-to-network traffic goes out on its pinned uplink port, and each server MAC address must be learned before traffic can be forwarded to it. Which feature stipulates that traffic is forwarded to a server only if it is received on a pinned uplink port for this server?

Options:

A- MAC address table visualization

B- host F Port channeling

C- native VLAN tagging on both sides

D- RPF check

Answer:

A

Question 4

Question Type: MultipleChoice

A Cisco engineer is configuring Cisco Nexus 7000 Series Switches. To simplify initial configuration verification and vPC+/HSRP troubleshooting, the engineer configures the primary vPC+ peer device with the FHRP active router highest priority. The primary FHRP device responds to ARP requests, even though the secondary vPC+ device also forwards the data traffic. Which configuration enables the Layer 3 connectivity from each vPC+ peer device?

Options:

- A- Set a restore timer that delays the vPC+ restart
- B- Configure a VLAN network interface for the same VLAN from both devices
- C- Manually configure virtual MAC addresses for any FHRP protocol
- D- Ensure that the enhanced Layer 2 license has been installed.

Answer:

B

Question 5

Question Type: MultipleChoice

A networking team must implement a new management solution for the network devices at their organization. The solution must meet these requirements

- * It must enable seamless monitoring, configuration, and troubleshooting while ensuring security and reliability.
- * It must allow access to devices even if the production network is down.
- * It must be easy to use and manage.

The company's budget is limited. Which implementation must the team perform to meet the requirements?

Options:

- A- in-band management solution that leverages the existing production network infrastructure for management traffic
- B- console-server solution to provide a dedicated management network
- C- out-of-band management solution to provide redundancy and flexibility
- D- remote-access VPN solution to provide secure access to the network devices

Answer:

C

Question 6

Question Type: MultipleChoice

A network architect wants to automate data center LAN configuration by use of Kubernetes, aligned with Cisco best practices for underlay and overlay provisioning. The automation must be able to operate in high-availability mode with active/active operation between hosts in dual data centers. Which configuration approach must the architect choose?

Options:

- A- Cisco OpFlex
- B- OpenFlow
- C- APIC-EM CLI
- D- Cisco Nexus Dashboard Fabric Controller

Answer:

D

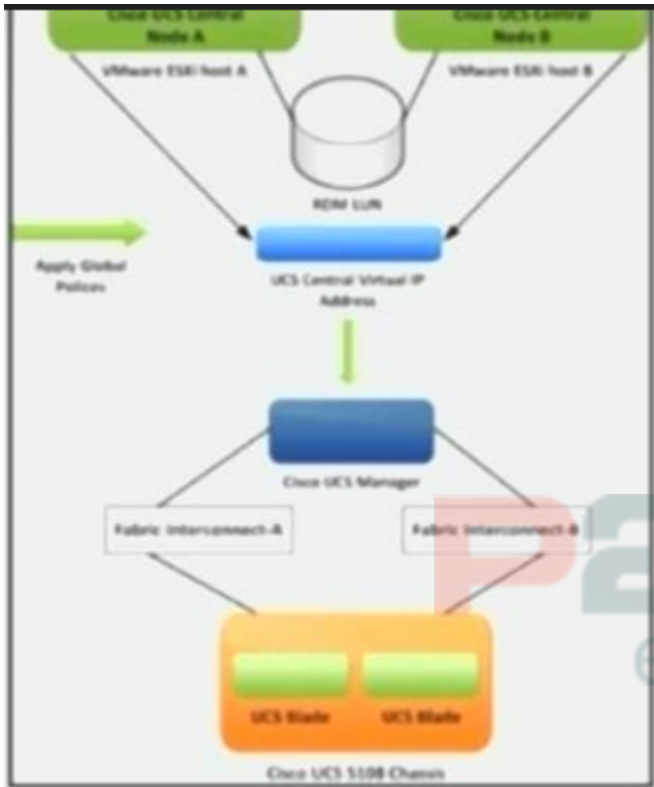
Question 7

Question Type: MultipleChoice

Refer to the exhibit.

P2P
exams

P2P
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Refer to the exhibit. A network engineer must improve high availability within the given UCS infrastructure. The engineer configured central nodes A and B in cluster mode to ensure that traffic fails over in the case of a network outage. Which type of redundancy will the cluster configuration provide?

Options:

- A- redundancy for the management plane only
- B- redundancy via a single fabric interconnect
- C- redundancy for the management, control, and data planes
- D- link-level redundancy via one management port

Answer:

C

Question 8

Question Type: MultipleChoice

A network architect is designing a storage network to connect to an existing IP network over 100G Ethernet ports for multiple hosts. The architect decided to require iSCSI multipathing to provide multiple routes between servers within the SAN and storage devices that reside within the IP network. Which requirement must be applied to the IP network switch that connects to the

SAN environment where the hosts reside9

Options:

- A- ECMP routes on the IP network to facilitate load sharing
- B- VLAN load balancing to the storage devices
- C- multiple physical connections to the iSCSI SAN device
- D- trunk configuration toward the iSCSI SAN device for multiple VLANs

Answer:

A



Question 9

Question Type: MultipleChoice

An engineer working for a private data center with an employee ID 4947.57 424 designs a storage area network solution. The requirement is to apply QoS to ensure that Fibre Channel data traffic for latency-sensitive applications receives higher priority over throughput-intensive applications that are used for data warehousing. Which two attributes must be used to identify and set the Fibre Channel traffic classes? (Choose two)

Options:

- A- egress interface
- B- source WWN
- C- destination FCID
- D- source or destination FCID
- E- source or destination WWN



Answer:

D, E

Question 10

Question Type: MultipleChoice

An engineer needs to design a network environment in a data center that uses Cisco Nexus 9000

Series Switches The solution must meet these requirements

- * interoperate with 802.1D devices
- * load-balance spanning-tree traffic
- * interoperate with third-party devices

Which spanning-tree protocol meets these requirements?

Options:

- A- MSTP
- B- RPVST+
- C- STP
- D- RSTP

Answer:

A

Question 11

Question Type: MultipleChoice

A Cisco engineer is analyzing a customer environment where dozens of VMs are running on a physical server and UCS chassis are cascaded. The setup uses two ISLs in a port channel to the SAN switch (per fabric). The oversubscription from VM to physical SAN port is often 20 (VMs/host) x 72 (9 UCS chassis cascaded = 72 hosts): 2 (ISLs from fabric interconnect to SAN switch port on the NPV core (NPIV enabled switch)). This results to 20 x 72 x 2 per single ISL = 720 VMs per ISL.

20 (VMs per host) x 8 (hosts per chassis) x 9 (chassis per port channel to SAN switch) / 2 (ISLs per port channel) = 20 x 8 x 9 / 2 = 720 VMs per SAN F-port. What is the best way to resolve possible IOPS bottleneck?

Options:

- A- Deploy a content delivery network
- B- Enable Windows 1Gb server full duplex
- C- Configure 802.1Qbb priority flow control
- D- Remove data encryption on the SSD

Answer:

C



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