



**Cisco**

## **Exam Questions 500-901**

Cisco Data Center Unified Computing Infrastructure Design

#### NEW QUESTION 1

What is the purpose of a virtual switch?

- A. Virtual switches manage storage requests from virtual machines
- B. Virtual switches present NICs to virtual machines for network connectivity
- C. Virtual switches recommend QoS options to the hypervisor for network connectivity
- D. Virtual switches present NICs to the UCSM for network connectivity

**Answer: B**

#### NEW QUESTION 2

You disassociated a Database Server Service Profile from your existing UCS C240 M4. Then, you associate a Web Server Service Profile to this UCS C240M4. The Database Server Service Profile contained a Scrub Policy enabled for Disk Scrub. The Web Server Service Profile contains a Scrub Policy disabled for Disk Scrub. What will happen after the reboot?

- A. The process will fail because the Service Profiles are fundamentally different
- B. The process will succeed, and server disk content will be preserved
- C. The process will fail because of the differences in the Scrub Policies
- D. The process will succeed, but server disk content will be lost

**Answer: C**

#### NEW QUESTION 3

How do service profiles enable workload mobility?

- A. Service Profiles represent a physical view of a server without any ties to specific virtual hardware
- B. Service Profiles work with the underlying hypervisor and communicate with the VM to detect workload movement
- C. Service Profiles represent a logical view of a server without any ties to specific physical hardware
- D. Service Profiles communicate workload movement to VCenter

**Answer: A**

#### NEW QUESTION 4

The HX Data Platform architectures uses which two data optimization features? (Choose two.)

- A. Non-disruptive RAID recovery
- B. Inline data compression
- C. Post-process data compression
- D. Cluster-wide garbage collection
- E. Inline data deduplication
- F. Post-process data deduplication

**Answer: BE**

#### NEW QUESTION 5

Which two QoS classes are enabled by default on Cisco's UCS servers? (Choose two.)

- A. Silver
- B. Platinum
- C. Best Effort
- D. Fibre Channel
- E. Bronze

**Answer: CD**

#### NEW QUESTION 6

What aspect of Cisco UCS servers enables multi-tenancy and provides an administrative hierarchy to organize resources?

- A. Resource pools
- B. Organizations
- C. Service profile templates
- D. Service profiles

**Answer: B**

#### NEW QUESTION 7

Which two VSANs are automatically created and cannot be deleted? (Choose two.)

- A. The Virtual Bridging VSAN
- B. The Isolated VSAN
- C. The Fabric Control VSAN
- D. The Default VSAN

**Answer: BD**

#### NEW QUESTION 8

In a USC domain, the Storage role contains storage related privileges, and the Server role contains server related privileges. A user has joined the group that will need to have both Server roles. What does the UCS administrator need to do in order to accommodate the new user?

- A. Create one user account and assign both roles to that account.
- B. Create two login accounts for the user, one for each role, since an account can only assign one role.
- C. Create one user account and map it to a locale that contains both roles.
- D. Create one user account, but and define two login domains, one for each role.

**Answer:** A

#### NEW QUESTION 9

You are creating a Local Disk Configuration Policy to be used by a new Service Profile for your UCS Server. Previous Service Profile had a Local Disk Configuration Policy set up for 'No RAID' and the 'Protect Configuration' box was checked. This time, you choose 'RAID 1' and deselect the 'Protect Configuration' checkbox. What are the implications of this change?

- A. The Service Profile association process will fail because you cannot change from 'No RAID' to 'RAID 1'
- B. The Service Profile association process will fail because the policies are different and the 'protect configuration' option was checked
- C. The Service Profile association process will succeed, but your total disk capacity will be cut in half due to the change from RAID 0 to RAID 1
- D. The Service Profile association process will succeed, but it will adopt the previous Local Disk Configuration Policy instead of the new one because it had 'protect configuration' checked

**Answer:** B

#### NEW QUESTION 10

Which unique identity resources requires Stateless computing?

- A. UUIDs, MAC Addresses and WWNs
- B. VLANs, VSANS, Hypervisors and IP Addresses
- C. Virtual IP Addresses
- D. Service Profiles and Application Policies

**Answer:** A

#### NEW QUESTION 10

An administrator needs to configure NPV between an edge fabric switch which will support application servers, and an upstream core switch. A Fiber Channel (FC) link exist between the two switchers. What two statements are true about roles on the edge fabric switch? (Choose two.)

- A. The port that connects to the core switch will be an NP port.
- B. The ports that connect to the servers will be F ports.
- C. The port that connects the switches is a TE port.
- D. The port that connects to the core switch will be an FP port
- E. The ports that connect to the servers will be N ports.

**Answer:** AB

#### NEW QUESTION 12

ACME technologies is deploying a large number of similar UCS blade servers and want to be able to change servers policies at a later time on all blades. What type of the Cisco UCS design is recommended?

- A. Initial template based service profiles
- B. Updating template based service profile
- C. Updating non-template based service profiles
- D. Initial non-template based service profiles

**Answer:** B

#### NEW QUESTION 14

An administrator is setting up a new VSAN and needs to use IVR to allow access to backup tape storage targets located in a different VSAN. There is an existing Nexus 5K switch in the SAN fabric that the admin would like to use; however, the switch is not IVR-enabled. How can the Cisco Nexus switch be used?

- A. It cannot be used, since only MDS Switches implement IVR.
- B. As a Transit switch.
- C. As a Border switch or IVR NAT gateway.
- D. As an Edge switch.

**Answer:** D

#### NEW QUESTION 17

How many QoS classes are available to administrators on Cisco's UCS server?

- A. 6
- B. 4
- C. 2
- D. 8

**Answer:** A

**NEW QUESTION 19**

Which is a gap of first generation hyperconverged solutions addressed by Cisco HyperFlex?

- A. Integrated networking configuration during deployment
- B. Support for GPUs
- C. Support for multiple hypervisors
- D. Integrated firewall for security monitoring

**Answer:** A

**NEW QUESTION 20**

Which additional three traffic egress controls may be enabled in Cisco UCS Manager depending upon the network adapter selected? (Choose three.)

- A. Rate
- B. Best Effort
- C. Host Control
- D. Peak
- E. Burst
- F. Smooth

**Answer:** BCE

**NEW QUESTION 25**

What condition requires Inter VSAN Routing (IVR)?

- A. The targets are in the same Initiator Group.
- B. When the path between source and destination edge VSANs require the traffic to pass through several VSANs before reaching the destination.
- C. When using MDS 9000 series SAN Directors.
- D. Transit VSANs are integral to the IVR architecture and are always required.

**Answer:** B

**NEW QUESTION 28**

In the context of Cisco's unified Computing System, which three Cisco best practices are recommended when creating WWN pools? (Choose three.)

- A. All WWN must use "20" for the first octet
- B. Define a standard convention for WWNs agreed upon by all stakeholders for address blocks
- C. Select the default values presented by UCS Central
- D. Use Cisco's OUI (00:25:B5) for the 3rd to 5th octets in WWN
- E. Use the same hex value for 1st and 2nd octets in WWNN and WWPN
- F. Engage the security team to request WWNs

**Answer:** ADE

**NEW QUESTION 29**

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