



**Vendor:** Cisco

**Exam Code:** 300-175

**Exam Name:** Implementing Cisco Data Center Unified Computing (DCUCI)

**Version:** 18.091

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**QUESTION 1**

Which item describes the failure scenario called a "split-brain" in the Cisco Unified Computing System?

- A. failure of the Cisco Unified Computing System L1-L2 network
- B. failure of a Cisco Unified Computing System Chassis Management Controller
- C. failure of a Cisco Unified Computing System I/O module
- D. failure of a Cisco Unified Computing System Fabric Interconnect
- E. failure of a Cisco Unified Computing System Chassis Management Switch

**Answer:** A

**QUESTION 2**

Which two are true concerning the role-based access control specifics of a Cisco Unified Computing System? (Choose two.)

- A. Disabled local user accounts are deleted from the database.
- B. A locally authenticated user account is any user account that is authenticated through LDAP, RADIUS, or TACACS+.
- C. If a user maintains a local user account and a remote user account simultaneously, the roles that are defined in the local user account override those that are maintained in the remote user account.
- D. By default, user accounts expire after 90 days; a warning message will be generated 10 days prior to expiration.
- E. A user that is assigned one or more roles will be allowed the privileges that are consistent across all of the assigned roles.
- F. All roles include read access to all configuration settings in the Cisco Unified Computing System domain.

**Answer:** CF

**QUESTION 3**

Which two are true concerning authorization within a Cisco Unified Computing System? (Choose two.)

- A. A role defines a collection of privileges that determines which actions a user can take in Cisco Unified Computing System Manager.
- B. Authorization consists of three components (roles, password policy, and locales) that are based on which features and resources the user will not have access to.
- C. Customized roles can be configured on and downloaded from remote AAA servers.
- D. The logical resources, pools and policies, are grouped into roles.
- E. If the service profile cannot find available resources, it will search in the parent organization for pools and resources.

**Answer:** AE

**QUESTION 4**

Which two are true with respect to the upgrade process for the Cisco Unified Computing System? (Choose two.)

- A. For easier manageability, Cisco provides one full bundle that contains the firmware images for all Cisco Unified Computing System components.

- B. You can choose from FTP, TFTP, SCP, and HTTP to copy the bundle image from a remote file system.
- C. When the bundle image is downloaded, it must be transferred to the flash file system of the active fabric interconnect.
- D. When the download is successful, Cisco Unified Computing System Manager expands the individual files from the archive and installs them in the correct flash file system partition.
- E. It is strongly recommended that you activate all components in all chassis at one time.
- F. The I/O module, CIMC, and adaptors update process operates strictly on the backup partition of Flash for a given component.

**Answer:** CF

**QUESTION 5**

Which Cisco UCS firmwares are contained in the Cisco UCS Infrastructure software bundle?  
(Choose three.)

- A. Cisco UCS BIOS
- B. Cisco UCS fabric interconnects firmware
- C. Cisco UCS adapters
- D. Cisco UCS Manager
- E. Cisco I/O module firmware
- F. Cisco IMC

**Answer:** BDE

**QUESTION 6**

Which Cisco UCS Manager feature allows you to specify multiple LDAP servers for user authentication?

- A. Realm
- B. LDAP Provider Group
- C. Authentication Domain
- D. Organization

**Answer:** B

**QUESTION 7**

Which UCS components firmwares are contained in the UCS Infrastructure software bundle?

- A. UCS BIOS
- B. UCS Fabric Interconnects
- C. UCS Adapters
- D. UCS Manager
- E. IO Module
- F. Cisco IMC

**Answer:** BDE

**QUESTION 8**

Which backup option must be used for a system restore?

- A. full state
- B. all configuration
- C. system configuration
- D. logical configuration
- E. incremental

**Answer:** A

**QUESTION 9**

Which protocol is not supported for Cisco UCS backups and imports?

- A. FTP
- B. TFTP
- C. SCP
- D. SFTP
- E. HTTP

**Answer:** E

**QUESTION 10**

Which two items can you provision in a vHBA Template? (Choose two.)

- A. Max Data Field Size
- B. SCSI I/O Queues
- C. FCoE VLAN
- D. vHBA Interrupt Mode
- E. Stats Threshold Policy
- F. FLOGI Timeout

**Answer:** AE

**QUESTION 11**

Which option describes the possible result of a customer configuring a server pool that contains Cisco UCS B200 M2 and B250 M2 blades?

- A. A service profile cannot migrate automatically from one blade to another blade within the server pool due to hardware failure.
- B. You must decommission a blade server for the associated service profile to migrate to another blade in the server pool successfully.
- C. You must uncheck the Restrict Migration box in the service profile to allow service profile migration between blades in the server pool.
- D. After service profile migration, the server fails to boot from SAN due to differences in PCI device IDs.

**Answer:** D

**QUESTION 12**

Which two options occur when a server discovery policy is invoked? (Choose two.)

- A. executes the qualification in the server discovery policy against the server
- B. applies the scrub policy to the server
- C. analyzes the inventory of the server
- D. assigns the server to the selected organization, if configured
- E. creates a service profile for the server with the identity burned into the server at time of manufacture

**Answer:** AB

**Explanation:**

Configuring Server Discovery Policies

Server Discovery Policy

This discovery policy determines how the system reacts when you add a new server. If you create a server discovery policy, you can control whether the system conducts a deep discovery when a server is added to a chassis, or whether a user must first acknowledge the new server. By default, the system conducts a full discovery.

If you create a server discovery policy, the following occurs when a new server starts:

The qualification in the server discovery policy is executed against the server.

If the server meets the required qualifications, Cisco UCS Manager applies the following to the server:

Depending upon the option selected for the action, either discovers the new server immediately or waits for a user to acknowledge the new server

Applies the scrub policy to the server

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1\\_chapter\\_011110.html#d184122e6834a1635](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-1/b_UCSM_GUI_Configuration_Guide_2_1/b_UCSM_GUI_Configuration_Guide_2_1_chapter_011110.html#d184122e6834a1635)

## QUESTION 13

If a customer wants to maximize the capability of server mobility with the Cisco UCS deployment, what two options are Cisco recommended? (Choose two.)

- A. Configure a server inheritance policy.
- B. Configure a Virtual Media boot.
- C. Configure a hardware-based service profile with burned-in addresses and identities.
- D. Configure boot from SAN.
- E. Configure service profiles with resource pools.

**Answer:** DE

## QUESTION 14

You have a Cisco UCS B200 M2 server configured with 12 4-GB DDR3 1333-MHz dual-voltage memory DIMMs. You learned that the server memory speed is running at 1066 MHz instead. How can you configure the server to run at maximum memory speed?

- A. You cannot configure memory speed of 1333 MHz. The maximum memory speed of a Cisco UCS B200 M2 server with 12 4-GB DIMM is 1066 MHz.
- B. Memory speed of the ESX host is configurable on VMware vCenter.
- C. Create a BIOS policy. In the RAS Memory BIOS settings, select Performance Mode for LV DDR Mode.
- D. On the CIMC of the Cisco UCS B200 M2, select 1333 MHz in the Memory Speed option.

**Answer:** C

## QUESTION 15

Your systems engineer has determined all of the firmware versions that the server operating system supports. What steps are taken on Cisco UCS to avoid manual firmware upgrades on the blade servers?

- A. Use Cisco UCS Manager firmware management to upgrade all Cisco UCS blade servers to the same target firmware versions.
- B. Configure host firmware package and management firmware package policies and associate the firmware policies with the service profiles.
- C. Create a BIOS policy and define the host firmware package and management firmware package.
- D. Configure host firmware package and management firmware package policies and associate the firmware policies with the server pools.

**Answer:** B

#### QUESTION 16

When you create a vHBA, what will you achieve by enabling persistent binding?

- A. This feature allows the binding of the SCSI targets to the vHBA, even across reboots.
- B. This feature allows the binding of the same WWPN from the pool to the vHBA, even across reboots.
- C. This feature allows the binding of the same WWNN from the pool to the vHBA, even across reboots.
- D. This feature allows the binding of the Fibre Channel uplink to the vHBA, even across reboots.

**Answer:** A

#### QUESTION 17

Which two tasks enable jumbo frames on a Cisco UCS system? (Choose two.)

- A. In the LAN cloud on Cisco UCS Manager, configure MTU 9000 in the uplink interfaces.
- B. In the LAN cloud on Cisco UCS Manager, enable jumbo frames in Fabric A and Fabric B.
- C. In the LAN cloud on Cisco UCS Manager, configure MTU 9000 in the VLAN.
- D. In the LAN cloud on Cisco UCS Manager, define a QoS system class with MTU 9000.
- E. In the service profile, configure MTU 9000 in the vNIC.
- F. In the service profile, configure MTU 9000 in the virtual machine.
- G. In the service profile, configure MTU 9000 in the uplink interfaces.

**Answer:** DE

#### QUESTION 18

Which three items represent some of the components to implement Cisco VM-FEX for Cisco Unified Computing System Manager B-Series blades? (Choose three.)

- A. Cisco VSM VM
- B. VEM installed on the VMware vCenter server
- C. VEM in the VMware ESX or ESXi host
- D. Cisco Unified Computing System Manager version 1.2 or higher
- E. VMware vCenter server
- F. Fibre Channel VMFS volume

**Answer:** CDE

**QUESTION 19**

Which three items represent some of the features that can be defined in a Cisco Unified Computing System Manager port profile? (Choose three.)

- A. QoS policy
- B. ACL
- C. NetFlow
- D. port security
- E. network control policy
- F. VLAN or VLANs

**Answer:** AEF

**QUESTION 20**

Which three items must be configured in the Port Profile Client in Cisco Unified Computing System Manager? (Choose three.)

- A. port profile
- B. DVS
- C. data center
- D. folder
- E. VMware vCenter IP address
- F. VM port group

**Answer:** BCD

**QUESTION 21**

If there are four I/O module links from the Cisco Unified Computing System 5108 Blade Chassis to the Cisco Unified Computing System 6248UP Fabric Interconnect, which dynamic vNICs can be defined?

- A. 9
- B. 16
- C. 24
- D. 48
- E. 54
- F. 112

**Answer:** E

**QUESTION 22**

Which two of the listed BIOS options are required for VM-FEX in high performance mode? (Choose two.)

- A. RSS
- B. interrupt coherency
- C. virtualization technology
- D. cache validation

E. ATS support

**Answer:** CE

**QUESTION 23**

When adding a VMware ESXi host to the Distributed Virtual Switch, what are two risks of migrating a VMNIC that is associated to vSwitch 0? (Choose two.)

- A. loss of access to the management IP interface
- B. duplicate IP address error
- C. duplicate MAC address error
- D. loss of VMware ESXi communication with VMware vCenter
- E. DVS port group will not appear in the VM network settings
- F. DVS port group will overwrite the port groups in vSwitch 0

**Answer:** AD

**QUESTION 24**

Which VMware ESXi 5.0 CLI command will validate PassThru interfaces when they are available?

- A. vem status -v
- B. vempassthru-v
- C. vemintf -v
- D. vemifconfig -v
- E. vempts -v

**Answer:** A

**QUESTION 25**

Which three items are supported operating systems of the Cisco VM-FEX universal passthrough? (Choose three.)

- A. Oracle Solaris 11
- B. Red Hat Enterprise Linux 6.0
- C. Microsoft Windows Server 2003 SP3
- D. Microsoft Windows Server 2008
- E. Ubuntu Server 12.2
- F. SLES 11

**Answer:** BDF

**QUESTION 26**

Which two VMware features must be turned off in the data center cluster for Cisco VM-FEX universal passthrough to operate? (Choose two.)

- A. VMCI
- B. DRS
- C. FT

- D. HA
- E. vMotion

**Answer:** AC

**QUESTION 27**

Which two VMware features will not allow an adapter to transition from Cisco VM-FEX standard mode to universal passthrough mode? (Choose two.)

- A. VM Snapshot
- B. Volume Shadow Copy
- C. Storage vMotion
- D. HA
- E. Resource Reservations

**Answer:** AC

**QUESTION 28**

Which of the following is true concerning Fibre Channel communications on a Cisco Unified Computing System?

- A. Each VSAN requires a dedicated VLAN to carry FCoE traffic.
- B. FCoE VLANs are created like Ethernet VLANs on Cisco Unified Computing System Manager.
- C. FCoE VLANs may overlap with Ethernet VLANs.
- D. Cisco Unified Computing System Manager supports a maximum of 128 active VSANs.

**Answer:** A

**QUESTION 29**

Which of the following are true concerning authentication within a Cisco Unified Computing System?

- A. Authentication domains are used to leverage individual authentication systems.
- B. You can create up to 64 authentication domains, each associated with a provider group and realm in Cisco Unified Computing System Manager.
- C. At login, the user can select the authentication domain to be used.
- D. Cisco Unified Computing System supports LDAP or RADIUS for remote authentication.
- E. A locally authenticated user account is authenticated directly through the fabric interconnect.

**Answer:** E

**QUESTION 30**

Which of the following scenarios accurately demonstrate how the Cisco Unified Computing System ensures that a firmware upgrade is minimally disruptive to the data center unified fabric?

- A. If an I/O module is upgraded to a version that is incompatible with its fabric interconnect, the fabric interconnect can automatically reactivate the I/O module to a compatible version.
- B. If components like server BIOS, HBA, and RAID controller firmware are unsuccessfully updated through direct firmware updates, the update process will fall back to a host firmware package that is associated

- with the service profile.
- C. If an update of the subordinate fabric interconnect leaves it in a nonusable state, the primary fabric interconnect will automatically be updated to ensure that one fabric interconnect is running the most recent firmware.
  - D. After Cisco Unified Computing System Manager upgrades the subordinate node, only then is the active management node automatically synchronized.

**Answer:** A

**QUESTION 31**

How many links are there between a second-generation IOM (Cisco UCS 2204 or 2208) and a third-generation half-width blade (Cisco UCS B200 M3 or B22 M3) in a Cisco UCS system?

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

**Answer:** C

**QUESTION 32**

Which policy would you change to form a port channel between a Cisco UCS 6248 and a Cisco UCS 2208?

- A. link aggregation policy
- B. chassis discovery policy
- C. IOM connection policy
- D. link discovery policy

**Answer:** B

**QUESTION 33**

The Cisco UCS 6200 Series Fabric Interconnects offer a new feature that allows dynamic port allocation for all of the 10 Gigabit Ethernet interfaces. What are these ports called?

- A. universal ports
- B. flex ports
- C. unified ports
- D. converged ports

**Answer:** C

**QUESTION 34**

In which situation would you be required to change a Cisco UCS system from end-host mode to switching mode?

- A. Design requirements call for the use of fabric failover.
- B. Fabric interconnect is connecting to disjoint Layer 2 networks upstream.
- C. HSRP routers are directly connected to the fabric interconnect.

D. Upstream Cisco Nexus 5000 is configured for vPC.

**Answer:** C

**QUESTION 35**

Drag and Drop Question

Drag the characteristic on the left to the appropriate Cisco UCS adapter on the right, where the adapter supports that characteristic.

Drag the characteristic on the left to the appropriate Cisco UCS adapter on the right, where the adapter supports that characteristic.

Supports iSCSI boot	M51KR NIC
Supports 4G Fibre Channel	M61KR CNA
Supports native OS FCoE	M72KR CNA

**Answer:**

Drag the characteristic on the left to the appropriate Cisco UCS adapter on the right, where the adapter supports that characteristic.

Supports iSCSI boot	M51KR NIC
Supports 4G Fibre Channel	M61KR CNA
Supports native OS FCoE	M72KR CNA

**QUESTION 36**

Drag and Drop Question

The Cisco Integrated Management Controller on a Cisco Unified Computing B-Series server provides a number of features. Drag the functionality on the left to the appropriate feature on the right.

The Cisco Integrated Management Controller on a Cisco Unified Computing System B-Series server provides a number of features. Drag the functionality on the left to the appropriate feature on the right.

Allows an external UDP connection to the serial console port	IPMI
Allows Cisco Unified Computing System administrators to connect remotely to the console of any server	SOL
Remotely powers a server on or off	KVM

**Answer:**

The Cisco Integrated Management Controller on a Cisco Unified Computing System B-Series server provides a number of features. Drag the functionality on the left to the appropriate feature on the right.

Allows an external UDP connection to the serial console port	IPMI
Allows Cisco Unified Computing System administrators to connect remotely to the console of any server	SOL
Remotely powers a server on or off	KVM

**QUESTION 37**

Drag and Drop Question

This questions concern the replacement of copper twinax SFP+transceiver with an optical SFP+transceiver on a Cisco Unified Computing System blade server. Drag the options on the left to the right side in the correct order when performing the replacement. Note: Not all of the options on the left will be used.

This question concerns the replacement of a copper twinax SFP+ transceiver with an optical SFP+ transceiver on a Cisco Unified Computing System blade server.

Drag the options on the left to the right side in the correct order when performing the replacement. Note: Not all of the options on the left will be used.

Insert the optical SFP+ transceiver into the I/O module port

Remove the Cisco Unified Computing System 21xx I/O module from the chassis

Remove the SFP+ cable, leaving the I/O module port empty

Pull gently on the rubber loop of the copper twinax SFP+ from the I/O module port

Plug the fiber-optic cable into the optical SFP+ transceiver

## Answer:

This question concerns the replacement of a copper twinax SFP+ transceiver with an optical SFP+ transceiver on a Cisco Unified Computing System blade server.

Drag the options on the left to the right side in the correct order when performing the replacement. Note: Not all of the options on the left will be used.

Insert the optical SFP+ transceiver into the I/O module port

Pull gently on the rubber loop of the copper twinax SFP+ from the I/O module port

Remove the Cisco Unified Computing System 21xx I/O module from the chassis

Insert the optical SFP+ transceiver into the I/O module port

Remove the SFP+ cable, leaving the I/O module port empty

Plug the fiber-optic cable into the optical SFP+ transceiver

Pull gently on the rubber loop of the copper twinax SFP+ from the I/O module port

Plug the fiber-optic cable into the optical SFP+ transceiver

## QUESTION 38

### Drag and Drop Question

This questions concerns the installation of a Cisco Unified Computing System 5108 fan module.

Drag the options on the left to the right side in the correct order when performing the installation.

Note:

Not all of the steps on the left will be used.

This question concerns the installation of a Cisco Unified Computing System 5108 fan module.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Power down the Cisco Unified Computing System

Listen for the fans if the chassis is powered on

Push the fan module into the chassis until it seats properly and the spring latch snaps into place

Power up the Cisco Unified Computing System

Hold the fan module with the spring latch at the top of the module

**Answer:**

This question concerns the installation of a Cisco Unified Computing System 5108 fan module.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Power down the Cisco Unified Computing System

Hold the fan module with the spring latch at the top of the module

Listen for the fans if the chassis is powered on

Push the fan module into the chassis until it seats properly and the spring latch snaps into place

Push the fan module into the chassis until it seats properly and the spring latch snaps into place

Listen for the fans if the chassis is powered on

Power up the Cisco Unified Computing System

Hold the fan module with the spring latch at the top of the module

**QUESTION 39**

Drag and Drop Question

This question concerns the installation of a Cisco Unified Computing System blade server hard drive. Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

This question concerns the installation of a Cisco Unified Computing System blade server hard drive.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Push the hard drive lever into the closed position

Remove the blade server from the chassis

Place the hard drive lever into the open position by pushing the release button

Uncover with hard drive cover plates

Gently slide the hard drive into the opening in the blade server until it seats into place

**Answer:**

This question concerns the installation of a Cisco Unified Computing System blade server hard drive.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Push the hard drive lever into the closed position	Place the hard drive lever into the open position by pushing the release button
Remove the blade server from the chassis	Gently slide the hard drive into the opening in the blade server until it seats into place
Place the hard drive lever into the open position by pushing the release button	Push the hard drive lever into the closed position
Uncover with hard drive cover plates	
Gently slide the hard drive into the opening in the blade server until it seats into place	

#### QUESTION 40

##### Drag and Drop Question

This question concerns the installation of a Cisco Unified Computing System blade server I/O module. Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

This question concerns the installation of a Cisco Unified Computing System blade server I/O module.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Slide the I/O module into the I/O module slot, ensuring that the I/O module is fully seated	
Connect the networking cables	
Make sure that the two levers at the front of the I/O module are pulled open	
Install the N20-CBLKI blank to avoid EMI issues	
Close the levers and tighten the captive screw on each lever	

#### Answer:

This question concerns the installation of a Cisco Unified Computing System blade server I/O module.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Slide the I/O module into the I/O module slot, ensuring that the I/O module is fully seated	Make sure that the two levers at the front of the I/O module are pulled open
Connect the networking cables	Slide the I/O module into the I/O module slot, ensuring that the I/O module is fully seated
Make sure that the two levers at the front of the I/O module are pulled open	Close the levers and tighten the captive screw on each lever
Install the N20-CBLKI blank to avoid EMI issues	Connect the networking cables
Close the levers and tighten the captive screw on each lever	

### QUESTION 41

Drag and Drop Question

This question concerns the installation of a Cisco Unified Computing System blade server AC power supply. Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

This question concerns the installation of a Cisco Unified Computing System blade server AC power supply.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Press the handle down and give the power supply a gentle push inward to ensure that the power supply is fully seated

Plug the power cable into the corresponding 220 VAC-inlet connector on the PDU at the rear of the chassis

Connect the other end of the power cable to the AC power source

Connect the DC input wires to the power supply terminal block

Place the power supply handle in the up position

Connect the ground wires to the power supply terminal block

Tighten the captive screw

Hold the power supply with both hands and then slide it into the power supply bay

### Answer:

This question concerns the installation of a Cisco Unified Computing System blade server AC power supply.

Drag the options on the left to the right side in the correct order when performing the installation. Note: Not all of the steps on the left will be used.

Press the handle down and give the power supply a gentle push inward to ensure that the power supply is fully seated

Place the power supply handle in the up position

Plug the power cable into the corresponding 220 VAC-inlet connector on the PDU at the rear of the chassis

Hold the power supply with both hands and then slide it into the power supply bay

Connect the other end of the power cable to the AC power source

Press the handle down and give the power supply a gentle push inward to ensure that the power supply is fully seated

Connect the DC input wires to the power supply terminal block

Tighten the captive screw

Place the power supply handle in the up position

Plug the power cable into the corresponding 220 VAC-inlet connector on the PDU at the rear of the chassis

Connect the ground wires to the power supply terminal block

Connect the other end of the power cable to the AC power source

Tighten the captive screw

Hold the power supply with both hands and then slide it into the power supply bay

**QUESTION 42**

Drag and Drop Question

Drag the characteristic on the left to the most appropriate Cisco unified Computing System 62XX Fibre Channel switching mode on the right.

Drag the characteristic on the left to the most appropriate Cisco Unified Computing System 62XX Fibre Channel switching mode on the right.

NP_Port to F_Port	<b>NPV Mode</b>
No Fibre Channel domain ID	
Default zoning or zone merge	
No zoning required	
N_Port to F_Port	<b>Fibre Channel Switching Mode</b>
Fibre Channel domain ID	

**Answer:**

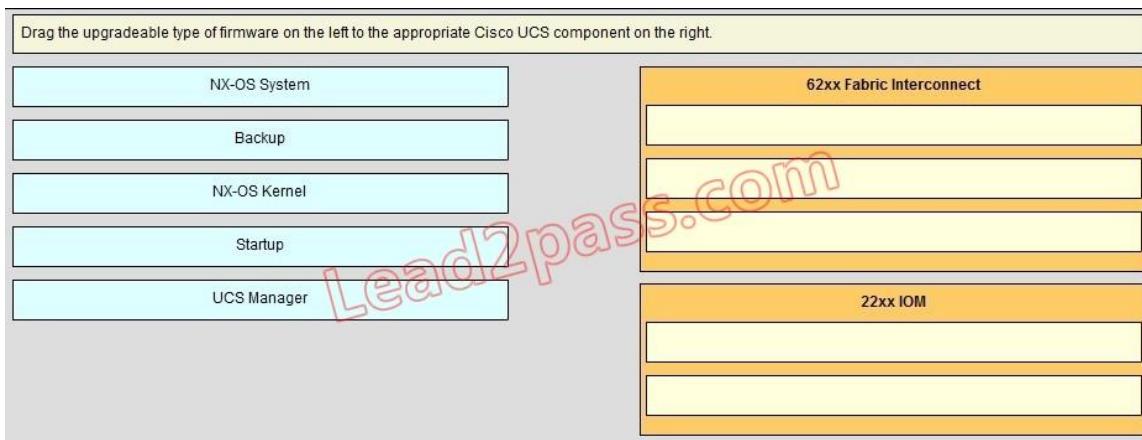
Drag the characteristic on the left to the most appropriate Cisco Unified Computing System 62XX Fibre Channel switching mode on the right.

NP_Port to F_Port	<b>NPV Mode</b>
No Fibre Channel domain ID	NP_Port to F_Port
Default zoning or zone merge	No Fibre Channel domain ID
No zoning required	No zoning required
N_Port to F_Port	<b>Fibre Channel Switching Mode</b>
Fibre Channel domain ID	N_Port to F_Port
	Fibre Channel domain ID
	Default zoning or zone merge

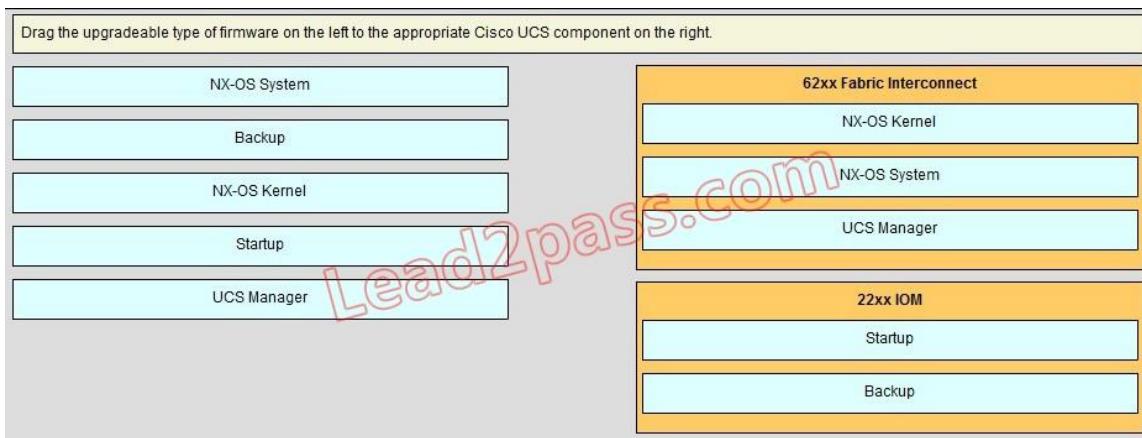
**QUESTION 43**

Drag and Drop Question

Drag the upgradeable type of firmware on the left to the appropriate Cisco UCS component on the right.



**Answer:**



#### QUESTION 44

Which ports can access the Cisco IMC if you select Shared LOM NIC mode in the Cisco IMC Configuration Utility for a Cisco UCS C-Series server?

- A. the ports on an installed Cisco network adapter card
- B. the two 1-Gb Ethernet ports
- C. the two 10/100 management ports
- D. the two 10/100 management ports, but each port has a default setting

**Answer:** B

#### QUESTION 45

Which NIC redundancy modes allow the LOMs to be discovered by the operating system or hypervisor?

- A. Dedicated mode
- B. Active/Active
- C. Active/Standby
- D. Cisco Card Mode

**Answer:** A

**QUESTION 46**

Which two are true with respect to the unified ports on the Cisco Unified Computing System 62XX Fabric Interconnect? (Choose two.)

- A. The port mode is automatically discovered after plugging in a LAN or Fibre Channel-attached cable.
- B. By default, unified ports that are changed to Ethernet port mode are set to uplink Ethernet port type.
- C. Ethernet ports must be grouped together in a block and must start with the first port and end with an odd numbered port.
- D. Alternating Ethernet and Fibre Channel ports is supported on the expansion module.
- E. After making port mode changes on an expansion module, the module will reboot.
- F. In a standalone configuration, making port mode changes to the fixed module will not cause the fabric interconnect to reboot.

**Answer:** CE

**QUESTION 47**

Which two are true with respect to the switching modes on the Cisco Unified Computing System 62XX Fabric Interconnect? (Choose two.)

- A. End-host mode presents a link to a northbound uplink switch as a host trunk with loop detection that is provided by STP.
- B. For northbound traffic, server MAC addresses are statically pinned to an uplink; the return path is controlled by the unified fabric switches.
- C. A fabric interconnect port in Ethernet switching mode appears to the uplink switch as a host with many MAC addresses.
- D. Server-to-server traffic on a common VLAN are locally switched by the fabric interconnect and not the northbound switches.
- E. A MAC forwarding table is not used to forward traffic to the uplink switch.
- F. A MAC address forwarding table is maintained for server-to-server communications across VLANs.

**Answer:** DE

**QUESTION 48**

What is true statement concerning port personalities on the Cisco Unified Computing System 62XX Fabric Interconnect?

- A. Fibre Channel uplink ports must operate in Fibre Channel switching mode.
- B. The fabric interconnects use native FCoE storage ports to directly attach to the SAN infrastructure.
- C. By default, all Fibre Channel ports are unconfigured.
- D. The Fibre Channel uplink ports do not support VSAN trunking and Fibre Channel port channels.
- E. The Fibre Channel storage ports support VSAN trunking and Fibre Channel port channels.

**Answer:** C

**QUESTION 49**

What is a true statement concerning automatic Fibre Channel pinning on a Cisco Unified Computing System 62XX Fabric Interconnect?

- A. By default, uplink Fibre Channel interfaces are configured for VSAN trunking.
- B. Using NPV, each downstream server will be pinned to an uplink port that is based on a PIN group.
- C. The Fibre Channel pinning process is implemented differently than end-host MAC address pinning.
- D. With VSAN trunking, the automatic pinning of server traffic to Fibre Channel uplink ports will be based on the server WWN.

**Answer:** D

**QUESTION 50**

The Cisco UCS administrator has the chassis discovery policy set to "2-link". The administrator connects a new chassis to the Cisco UCS 6200 Series Fabric Interconnects using four links. Which option about link utilization is true?

- A. The Cisco UCS will use two links until the chassis is reacknowledged, after which it will use all four links.
- B. The Cisco UCS will use all four links for discovery.
- C. The Cisco UCS will use only two links. The other two links are unusable.
- D. The Cisco UCS will use only two links. However, the administrator can manually pin traffic to the extra links by using service profiles.

**Answer:** A

**QUESTION 51**

Which policy is used to update adapter firmware?

- A. adapter policy
- B. host firmware policy
- C. management firmware policy
- D. network control policy

**Answer:** B

**QUESTION 52**

Which options are valid port types when configuring fixed 10-Gb LAN interfaces on the Cisco UCS 6200 Series Fabric Interconnects? (Choose three.)

- A. monitoring port
- B. server port
- C. uplink Ethernet port
- D. FEX port
- E. Fibre Channel storage port

**Answer:** ABC

**QUESTION 53**

When cabling a Cisco UCS 6200 Series Fabric Interconnect to disjoint Layer 2 networks, which option must be considered?

- A. The fabric interconnect must be in switching mode.

- B. You must first configure a LAN pin group.
- C. Each VLAN is allowed across multiple disjoint uplinks.
- D. Each vNIC can communicate to a single disjoint network.

**Answer:** D

**QUESTION 54**

Which two items represent the features of Call Home on the Cisco Unified Computing System? (Choose two.)

- A. syslog
- B. send fault details to Cisco TAC
- C. SNMP trap receiver
- D. send email alerts to administrators
- E. central repository of normalized fault data

**Answer:** BD

**QUESTION 55**

Which three items represent message formats that are available to send fault data using Cisco Call Home? (Choose three.)

- A. short text
- B. long text
- C. HTML
- D. SOAP API
- E. XML
- F. Java

**Answer:** ABE

**QUESTION 56**

Which BIOS setting is required for a VMware ESXi 5.0 host to support Cisco VM-FEX universal passthrough mode?

- A. VT for Directed IO
- B. ACPI 10 Support
- C. VEMDPA Agent
- D. Execute Disabled Bit
- E. Processor C State

**Answer:** A

**QUESTION 57**

What are the three main components of the VM-FEX environment? (Choose three.)

- A. Red Hat Network Satellite server
- B. ESX host with Cisco UCS M81KR VIC

- C. ESX host with Cisco UCS M72KR CAN
- D. VMware vCenter
- E. VMware Update Manager
- F. Cisco UCS Manager
- G. Cisco VSG

**Answer:** BDF

**QUESTION 58**

Open the windows by clicking on the minimized at the bottom of the viewing area. Windows can be minimized by clicking on the [X], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Clicking the icon will open a device terminal so you can interact with the hardware.

Open the Questions window and begin by clicking a question number. When you have completed answering all questions, click Done to continue.

Scenario

Use your UCS knowledge on Adapter errors .....configurations.

```
UCS-A# scope server 1/5
UCS-A/chassis/server # show adapter detail

Adapter:
Id:2
Product Name: Cisco UCS 82598KR-CI
PID: N20-AI002
VID: V01
Vendor: Cisco Systems Inc.
Serial: QCI132300CC
Revision: 0
Mfg Date: 2009-06-13TCO:00:00.000
Slot: N/A
Overall Status: Operable
Conn Path: A, B
Conn Status: Unknown
Managing Instance: B
Product Description: PCI Express Dual Port 10 Gigabit Ethernet Serv
UCS-A/chassis/server #
```

We are working on which server?

- A. 1
- B. 2
- C. 3
- D. 4

E. 5

**Answer:** E

**QUESTION 59**

Open the windows by clicking on the minimized title at the bottom of the viewing area. Windows can be minimized by clicking on the [-], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Click the icon to open a device terminal to interact with the hardware.

Open the Questions window and begin with clicking a question number. When you have completed answering all questions, click Done to continue.

Scenario

Use your UCS knowledge on Fabric Interconnect Failover to answer the questions associated with the UCS cluster.

```
UCS-A# show cluster state
Cluster Id: 0xfc436fa8b88511e0-0xa370000573cb6c04

A: UP, PRIMARY
B: UP, SUBORDINATE

HA READY
UCS-A# connect local-mgmt
Cisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
Copyright © 2002-2011, Cisco Systems, Inc. All rights reserved.
The copyrights to certain works contained in this software are owned by other
third parties and used and distributed under license. Certain components of
this software are licensed under the GNU General Public License (GPL) version
2.0 or the GNU Lesser General Public License (LGPL) version 2.1 A Copy of
each such license is available at
http://www.opnsource.org/licenses/gpl-2.0.php and
http://www.opnsource.org/licenses/gpl-2.1.php

UCS- A(local-mgmt) # cluster lead b
UCS- A(local-mgmt) #
```

Which statements is true regarding the Fabric Interconnect Failover configuration changes?

- A. High availability is being setup so that cluster a and b can both be subordinate or primary.
- B. The fabric interconnect b changes from subordinate to primary.
- C. High availability is setup so that fabric interconnect will keep a to be primary and b will be lead.
- D. The Fabric interconnect can have lead states, so that b will switch to primary and a will stay primary.

**Answer:** B

**QUESTION 60**

Open the windows by clicking on the minimized at the bottom of the viewing area. Windows can be minimized by clicking on the [X], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Clicking the icon will open a device terminal so you can interact with the hardware.

Open the Questions window and begin by clicking a question number. When you have completed answering all questions, click Done to continue.

Scenario

Use your UCS knowledge on Adapter errors.....configurations.

```
UCS-A# scope server 1/5
UCS-A/chassis/server # show adapter detail

Adapter:
Id:2
Product Name: Cisco UCS 82598KR-CI
PID: N20-AI002
VID: V01
Vendor: Cisco Systems Inc.
Serial: QCI132300CC
Revision: 0
Mfg Date: 2009-06-13TCO:00:00.000
Slot: N/A
Overall Status: Operable
Conn Path: A, B
Conn Status: Unknown
Managing Instance: B
Product Description: PCI Express Dual Port 10 Gigabit Ethernet Serv
UCS-A/chassis/server #
```

Current Adapter Connected Status is?

- A. Operable
- B. Down
- C. Inoperable
- D. Unknown

**Answer:** D

**QUESTION 61**

You plan to use AAA security services for a Cisco UCS Fabric Interconnect.  
Which two authentication protocols can you use? (Choose two.)

- A. NTLM
- B. Kerberos
- C. RADIUS
- D. Diameter
- E. LDAP

**Answer:** CE

**Explanation:**

Cisco UCS supports two methods to authenticate user logins:

Through user accounts local to Cisco UCS Manager. Remotely through one of the following protocols:

LDAP  
RADIUS  
TACACS+

Reference: <https://supportforums.cisco.com/t5/security-documents/ucs-fabric-intreconnect-integration-withacs-5-4-tacacs/ta-p/3149332>

## QUESTION 62

Open the windows by clicking on the minimized title at the bottom of the viewing area. Windows can be minimized by clicking on the [-], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Click the icon to open a device terminal to interact with the hardware.

Open the Questions window and begin with clicking a question number. When you have completed answering all questions, click Done to continue.

Scenario

Use your UCS knowledge on Fabric Interconnect Failover to answer the questions associated with the UCS cluster.

```
UCS-A# show cluster state
Cluster Id: 0xfc436fa8b88511e0-0xa370000573cb6c04

A: UP, PRIMARY
B: UP, SUBORDINATE

HA READY
UCS-A# connect local-mgmt
Cisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
Copyright © 2002-2011, Cisco Systems, Inc. All rights reserved.
The copyrights to certain works contained in this software are owned by other
third parties and used and distributed under license. Certain components of
this software are licensed under the GNU General Public License (GPL) version
2.0 or the GNU Lesser General Public License (LGPL) version 2.1 A Copy of
each such license is available at
http://www.opwnsource.org/licenses/gpl-2.0.php and
http://www.opwnsource.org/licenses/gpl-2.1.php

UCS- A(local-mgmt) # cluster lead b
UCS- A(local-mgmt) #
```

The connect local-mgmt command is required

- A. To allow the fabric interconnect to use the force command to be subordinate.
- B. To allow local management of the cluster to be configured.
- C. To configure HA on all fabric interconnect.
- D. To enable the fabric interconnect for a different HA state.

**Answer:** B

#### **QUESTION 63**

Open the windows by clicking on the minimized title at the bottom of the viewing area. Windows can be minimized by clicking on the [-], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Click the icon to open a device terminal to interact with the hardware.

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HA READY
UCS-A# connect local-mgmt
Cisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
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third parties and used and distributed under license. Certain components of
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each such license is available at
http://www.opwnsource.org/licenses/gpl-2.0.php and
http://www.opwnsource.org/licenses/gpl-2.1.php

UCS- A(local-mgmt) # cluster lead b
UCS- A(local-mgmt) #
```

The cluster lead b command represents:

- A. The cluster will go into a subordinate state.
- B. The cluster will switch fabric interconnect b from subordinate to lead or primary.
- C. The cluster will only use fabric interconnect to.
- D. The cluster will load balance traffic over Fabric Interconnects a and B.

**Answer:** B

#### **QUESTION 64**

Open the windows by clicking on the minimized at the bottom of the viewing area. Windows can be minimized by clicking on the [X], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Clicking the icon will open a device terminal so you can interact with the hardware.

Open the Questions window and begin by clicking a question number. When you have completed answering all questions, click Done to continue.

Scenario

Use your UCS knowledge on Adapter errors.....configurations.

```
UCS-A# scope server 1/5
UCS-A/chassis/server # show adapter detail

Adapter:
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Product Name: Cisco UCS 82598KR-CI
PID: N20-AI002
VID: V01
Vendor: Cisco Systems Inc.
Serial: QCI132300CC
Revision: 0
Mfg Date: 2009-06-13TCO:00:00.000
Slot: N/A
Overall Status: Operable
Conn Path: A, B
Conn Status: Unknown
Managing Instance: B
Product Description: PCI Express Dual Port 10 Gigabit Ethernet Serv
UCS-A/chassis/server #
```

Current adapter status is?

- A. Operable
- B. Down
- C. Inoperable
- D. Unknown

**Answer:** A

**QUESTION 65**

How many certificates does Cisco Unified Computing System Manager have to export to communicate with VMware vCenter server if the VMware ESXi hosts are all running version 5.0 or higher?

- A. 1
- B. 2
- C. 4
- D. 8
- E. 16

**Answer:** A

**QUESTION 66**

What is the purpose of the maximum ports that are filed in the port profile?

- A. determines the maximum number of uplinks that VMs can use
- B. determines the maximum number of VMs that can use the DVS

- C. determines the maximum number of DVSs that can use the port profile
- D. determines the maximum number of dynamic vNICs on the DVS

**Answer:** D

**QUESTION 67**

What is the maximum number of ports on a VMware vCenter Distributed Virtual Switch?

- A. 64
- B. 128
- C. 1024
- D. 4096
- E. 8192

**Answer:** D

**QUESTION 68**

In the Create Dynamic vNIC Connection Policy dialog box, there is a configurable field titled Protection. What is the significance of the three choices for Protection?

- A. allows reserve vNICs to be allocated out of the spares pool
- B. enables hardware-based failover
- C. enables static binding of the VM port profile to dynamic vNICs
- D. selects the primary fabric association for dynamic vNICs
- E. allows dynamic vNICs to be reserved for fabric failover

**Answer:** D

**QUESTION 69**

How does a dynamic vNIC get allocated?

- A. Dynamic vNICs are assigned to VMs in VMware vCenter.
- B. Dynamic vNICs can only be bound to the service profile through an updating template.
- C. Dynamic vNICs are bound directly to a service profile.
- D. Dynamic vNICs are assigned by binding a port profile to the service profile.

**Answer:** C

**QUESTION 70**

After staging a VEM file on a VMware ESXi 5.0 host in the /tmp directory, what is the correct command syntax to install the VEM?

- A. esxcli software vib install -d /tmp/VEM500-20110825132140-BG-release.zip -maintenance-mode
- B. esxcli software vib install -v /tmp/VEM500-20110825132140-BG-release.zip -maintenance-mode
- C. esxupdate software vib install -d /tmp/VEM500-20110825132140-BG-release.zip -maintenance-mode
- D. esxupdate software vib install -v /tmp/VEM500-20110825132140-BG-release.vib -maintenance-mode

**Answer:** A

**QUESTION 71**

Which network driver is required on a VMware ESXi 5.0 host for a vNIC to enter Cisco VM-FEX universal passthrough mode?

- A. VMXNET3
- B. Vlance
- C. Flexible
- D. E1000e
- E. VMXNET5

**Answer:** A

**QUESTION 72**

Which virtual hardware version is required for a VM to enter the Cisco VM-FEX universal passthrough mode?

- A. Version 5
- B. Version 6
- C. Version 7
- D. Version 8
- E. Version 9

**Answer:** D

**QUESTION 73**

Which feature must be configured for Linux VMs to be able to transition from Cisco VM-FEX standard mode to universal passthrough mode?

- A. RSS
- B. MSI Interrupt Mode
- C. VEMDPA Agent
- D. Execute Disabled Bit
- E. Processor C State

**Answer:** B

**QUESTION 74**

Which of the following is true concerning the Global Chassis Discovery policy configuration on the Cisco Unified Computing System Manager when using Cisco Unified Computing System 22XX I/O modules with Cisco UCS 62XX Fabric Interconnects?

- A. The link grouping preference should be set to discrete mode when the number of northbound links are not a power of 2.
- B. Set the action policy-count higher than the actual number of uplinks; otherwise, the Cisco Unified Computing System servers will not be discovered.
- C. For Cisco Unified Computing System implementations that mix I/O modules with different numbers of links, it is best to manually reacknowledge the chassis in order to use all available links.
- D. Automatic reacknowledgement due to chassis discovery is never disruptive.

**Answer:** C

**QUESTION 75**

Which of the following is the most accurate concerning the link configuration between Cisco Unified Computing System 22XX I/O modules and Cisco Unified Computing System 62XX Fabric Interconnects?

- A. Port channels are always recommended when using source-dest-mac load balancing.
- B. The addition of links to a port channel requires a reacknowledgement.
- C. You cannot mix and match discrete links and port channeling for different chassis when using 22XX.
- D. Port channels do not require a Global Chassis Discovery policy.

**Answer:** A

**QUESTION 76**

Which of the following is not a feature of the Cisco Unified Computing System VIC-1280 adaptor?

- A. capable of up to 256 virtual interfaces
- B. supports FCoE
- C. supports Cisco VM-FEX
- D. compatible with the C- or B-Series Cisco Unified Computing System servers

**Answer:** D

**QUESTION 77**

Which of the following is true with respect to recovery from failure with automatic pinning that is configured on a cluster of Cisco Unified Computing System 62XX Fabric Interconnects?

- A. By default, server MAC addresses are pinned to uplink interfaces using PIN groups.
- B. When a northbound fabric interconnect link goes down, the affected servers will use NIC teaming to re-establish connectivity on the second fabric interconnect.
- C. When a northbound fabric interconnect link goes down, the fabric interconnect will send a gratuitous ARP to the northbound switch to announce the servers on the new port.
- D. In the event that all uplink ports on the fabric interconnect lose connectivity, the 22XX I/O module shuts down all of the host ports until at least one uplink is restored.

**Answer:** C

**QUESTION 78**

How does a Cisco Unified Computing System react when configured for disjoint Layer 2 domains?

- A. Automatic pinning is disabled; VLAN membership must be statically pinned to the uplink ports.
- B. VLANs must be divided between the fabric interconnects using PIN groups.
- C. The VLAN traffic for a disjoint network can only travel along an uplink that is specifically assigned to this VLAN and is selectively excluded from all other uplinks.
- D. When you configure disjoint Layer 2 networks, you must assign VLANs to uplink interfaces.

**Answer:** C

**QUESTION 79**

Which of the following is true with respect to hardware failover or NIC teaming within a Cisco Unified Computing System?

- A. Hardware failover is specified by the operating system.
- B. An uplink failure when using automatic pinning requires that hardware failover for the server vNIC be disabled.
- C. NIC teaming is controlled by the vNIC.
- D. The hardware failover option that is available for Ethernet does not affect Fibre Channel traffic.

**Answer:** D

**Hotspot Question**

**(QUESTION 80 - QUESTION 86)**

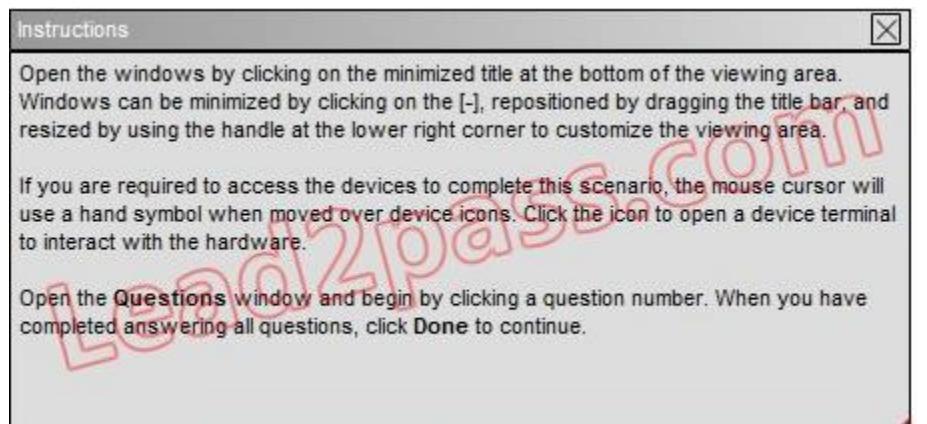


Exhibit1



```
JCS-A# show cluster state
Cluster Id: 0xfc436fa8b88511e0-0xa370000573cb6c04

A: UP, PRIMARY
B: UP, SUBORDINATE

HA READY
JCS-A# connect local-mgmt
Cisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
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such license is available at
http://www.opensource.org/licenses/gpl-2.0.php and
http://www.opensource.org/licenses/lgpl-2.1.php

JCS-A(local-mgmt)# cluster lead b
JCS-A(local-mgmt)#

```

**QUESTION 80**

- 1 Which statements is true regarding the Fabric Interconnect Failover configuration changes?
- 2
- 3
  - High availability is being setup so that cluster a and b can both be subordinate or primary.
  - The fabric interconnect b changes from subordinate to primary.
  - High availability is setup so that fabric interconnect will keep a to be primary and b will be lead.
  - The Fabric interconnect can have two lead states, so that b will switch to primary and a will stay primary.

**Answer:**

- 1 Which statements is true regarding the Fabric Interconnect Failover configuration changes?
- 2
- 3
  - The fabric interconnect b changes from subordinate to primary.
  - High availability is setup so that fabric interconnect will keep a to be primary and b will be lead.
  - The Fabric interconnect can have two lead states, so that b will switch to primary and a will stay primary.

**QUESTION 81**

Questions

- 1 The connect local-mgmt command is required
- 2 O to allow the fabric interconnect to use the force command to be subordinate.
- 3 O To allow local management of the cluster to be configured.  
O To configure HA on all fabric interconnect.  
O To enable the fabric interconnect for a different HA state.

Answer:

Questions

- 1 The connect local-mgmt command is required
- 2 O to allow the fabric interconnect to use the force command to be subordinate.
- 3 O To allow local management of the cluster to be configured.  
O To configure HA on all fabric interconnect.  
O To enable the fabric interconnect for a different HA state.

**QUESTION 82**

Questions

- 1 The Cluster lead b command represents
- 2 O The cluster will go into a subordinate state.
- 3 O The cluster will switch fabric interconnect b from subordinate to lead or primary.  
O The cluster will only use fabric interconnect b.  
O The cluster will load balance traffic over Fabric Interconnects a and b.

Answer:

Questions

- 1 The Cluster lead b command represents
- 2 O The cluster will go into a subordinate state.
- 3 O The cluster will switch fabric interconnect b from subordinate to lead or primary.  
O The cluster will only use fabric interconnect b.  
O The cluster will load balance traffic over Fabric Interconnects a and b.

**QUESTION 83**

Questions	
1	We are working on which server?
2	<input type="radio"/> 1
3	<input type="radio"/> 2
4	<input type="radio"/> 3
	<input type="radio"/> 4
	<input type="radio"/> 5

**Answer:**

Questions	
1	We are working on which server?
2	<input type="radio"/> 1
3	<input type="radio"/> 2
4	<input type="radio"/> 3
	<input type="radio"/> 4
	<input checked="" type="radio"/> 5

**QUESTION 84**

Questions	
1	We are working on which Chassis ID?
2	<input type="radio"/> 1
3	<input type="radio"/> 2
4	<input type="radio"/> 3
	<input type="radio"/> 4
	<input type="radio"/> 5

**Answer:**

Questions

1 We are working on which Chassis ID?  
2  1  
3  2  
4  3  
 4  
 5

### QUESTION 85

Questions

1 Current Adapter Status is ?  
2  Operable  
3  Down  
4  Inoperable  
 Unknown

Answer:

Questions

1 Current Adapter Status is ?  
2  Operable  
3  Down  
4  Inoperable  
 Unknown

### QUESTION 86

1 Current Adapter Connected Status is?  
2  Operable  
3  Down  
4  Inoperable  
 Unknown

Answer:

1	Current Adapter Connected Status is?
2	<input type="radio"/> Operable
3	<input type="radio"/> Down
4	<input type="radio"/> Inoperable
	<input checked="" type="radio"/> Unknown

**QUESTION 87**

When upgrading a standalone Cisco UCS C-Series server, which method is correct?

- A. direct upgrade on all components
- B. Cisco Hardware Upgrade Utility
- C. Cisco Host Upgrade Utility
- D. Cisco Server Upgrade Utility

**Answer:** C

**QUESTION 88**

In a standalone Cisco UCS C-Series server, which recommendations can be used to upgrade the BIOS?

- A. Cisco IMC
- B. Cisco UCS Manager
- C. iFlash32 Utility
- D. Flash ROM Utility
- E. EFI Interface
- F. Cisco Host Upgrade Utility
- G. USB Flash Utility

**Answer:** F

**QUESTION 89**

What are the default settings of the Cisco IMCCIMC NIC properties on a standalone Cisco UCS C- Series server?

- A. 'Shared LOM' NIC mode with 'Active-active' NIC redundancy and DHCP enabled
- B. 'Shared LOM' NIC mode with 'Active-standby' NIC redundancy and DHCP enabled
- C. 'Dedicated' NIC mode with 'Active-standby' NIC redundancy DHCP disabled
- D. 'Dedicated' NIC mode with 'None' NIC redundancy and DHCP enabled
- E. 'Cisco Card' NIC mode with 'Active-active' NIC redundancy and DHCP enabled

**Answer:** D

**QUESTION 90**

Which adapter is capable of supporting VM-FEX?

- A. VIC 1280

- B. Cisco UCS M61KR-I
- C. Cisco UCS M72KR
- D. Cisco UCS M51KR-B

**Answer:** A

**QUESTION 91**

Which option does UEFI secure boot provide?

- A. checksum verification of the EFI shell
- B. certificate verification of the EFI shell
- C. checksum verification of the OS
- D. certificate verification of the OS

**Answer:** D

**QUESTION 92**

Which component is unsupported by the UEFI boot device in the Cisco UCS C-series standalone?

- A. FlexFlash card
- B. RAID array
- C. FCoE
- D. iSCSI
- E. USB
- F. PXE
- G. PCI SSD

**Answer:** G

**QUESTION 93**

Which statement about Cisco Integrated Management Controller secure mode is true?

- A. After you enable it, you cannot disable it.
- B. After you enable it, you cannot downgrade the Cisco Integrated Management Controller firmware.
- C. It verifies the OS before allowing it to boot.
- D. The server must reboot to apply.

**Answer:** A

**QUESTION 94**

When implementing a Cisco UCS C-series standalone server, which of the following Cisco Integrated Management Controller NIC modes allow use of the least number of physical ports while providing maximum levels of redundancy?

- A. dedicated
- B. shared LOM
- C. shared LOM 10G

D. Cisco VIC

**Answer:** D

**QUESTION 95**

Which option describes what Cisco Integrated Management Controller Network Security provides?

- A. protection against DDoS on the Cisco IMC
- B. a whitelist that specifies the servers allowed to access the Cisco IMC
- C. 802.1x support, allowing the Cisco IMC to log in to a port security network
- D. user-configured ACLs to block known bad servers from accessing the Cisco IMC

**Answer:** A

**QUESTION 96**

Which port type mode must be used on a Cisco UCS Manager for a SPAN port?

- A. eth-traffic-mon
- B. eth-uplink
- C. eth-server
- D. eth-storage

**Answer:** A

**QUESTION 97**

Where would you disable or enable Cisco Discovery Protocol?

- A. LAN connectivity policy
- B. service profile
- C. network control policy
- D. LAN uplinks manager

**Answer:** C

**QUESTION 98**

Which three statements about default settings for fabric interconnect uplink ports are true?  
(Choose three.)

- A. When a VLAN is configured, it is trunked on all uplinks.
- B. Specific VLANs are trunked on specific uplinks.
- C. UDLD is enabled.
- D. UDLD is disabled.
- E. Cisco Discovery Protocol is enabled.
- F. Cisco Discovery Protocol is disabled.
- G. They connect to the I/O modules.

**Answer:** ADE

**QUESTION 99**

Refer to the exhibit. An admin is configuring VLANs on a Cisco UCS B-Series vNIC. Which two statements about the traffic coming from the operating system with this configuration are true? (Choose two.)

**Properties**

Name: **mgmt-vlan-14net**  
MAC: **Derived**  
VLAN ID: **832**  
Native VLAN:  **Native**  
Owner: **Logical**  
Type: **Ether**  
Operational VLAN Instance: [fabric/lan/net-mgmt-vlan-14net](#)  
Operational VLAN Name: **mgmt-vlan-14net**

- A. The VLAN must be configured with ID 832 within the operating system.
- B. No VLAN tag should be added in the operating system.
- C. If traffic comes in untagged on this vNIC, it is placed in VLAN 832.
- D. This configuration is not supported when hypervisors are used.
- E. The uplink ports of the fabric interconnect have the native VLAN set to ID 832.

**Answer:** BC

**QUESTION 100**

Refer to the exhibit. Which two statements about the fabric interconnect are true? (Choose two.)

```
FI-B(nxos)# show platform software enm internal info vlandb id 311  
  
vlan_id 311  
-----  
Designated receiver: Po21  
Membership:  
Po22 Eth1/32 Eth1/20 Po1 Po21 Po30
```

- A. The fabric interconnect forwards all broadcast packets on VLAN 311 out of each interface listed in the Membership.
- B. The fabric interconnect forwards broadcasts on VLAN 311 only when they are received on Po21.
- C. Without any changes to the switch, eth 1/32 could become the designated receiver for VLAN 311.
- D. All multicast traffic from a blade on VLAN 311 goes out of Po21.

E. IGMP join packets from blades on VLAN 311 goes out Po21.

**Answer:** BE

**QUESTION 101**

Which three options are valid system classes for QoS in a Cisco UCS blade system? (Choose three.)

- A. platinum
- B. silver
- C. best effort
- D. voice
- E. high-priority
- F. FCoE
- G. drop eligible

**Answer:** ABC

**QUESTION 102**

Which three statements are a result of utilizing org permissions on VLANs within a sub-org? (Choose three.)

- A. VLAN IDs can be defined only once globally.
- B. VLAN IDs can be defined within each sub-org.
- C. VLAN name must match across orgs and sub-orgs.
- D. VLAN name can be different per sub-org.
- E. Sub-org vNICs can utilize parent org VLANs.
- F. Parent org vNICs can utilize sub-org VLANs.
- G. Sub-org vNICs can utilize only parent org native VLANs.

**Answer:** BDF

**QUESTION 103**

The system-reserved VLANs within Cisco UCS are 3968 to 4048 by default. Where can a user change the starting value of this range?

- A. VLAN manager
- B. global policies
- C. LAN cloud
- D. cannot be changed

**Answer:** D

**QUESTION 104**

Which three options are needed when configuring local zoning on the Cisco UCS Fabric Interconnects? (Choose three.)

- A. The fabric interconnects are operating in FC switching mode.
- B. The fabric interconnects are operating in FC end-host mode.

- C. SAN connectivity policy
- D. storage connection policy
- E. FC target endpoints
- F. iSCSI target endpoints

**Answer:** ADE

**QUESTION 105**

Which boot option is recommended for a boot policy because it offers the most service profile mobility within a system?

- A. iSCSI boot
- B. local disk boot
- C. LAN boot
- D. SAN boot

**Answer:** D

**QUESTION 106**

Which consideration must be made when utilizing a WWxN pool?

- A. Only HBA templates can use WWxN pools.
- B. WWNN assignment must be set to derived.
- C. WWPN assignment must be set to derived.
- D. A SAN connectivity policy must be used.

**Answer:** C

**QUESTION 107**

Which two components can be specified in a host firmware package? (Choose two.)

- A. CPU
- B. BIOS
- C. Cisco Integrated Management Controller
- D. LOM
- E. DIMM

**Answer:** BC

**QUESTION 108**

Which two options are valid server pool policy qualifications? (Choose two.)

- A. server model
- B. description
- C. user label
- D. power group

**Answer:** AD

**QUESTION 109**

Which two statements describe the full state type of backup? (Choose two.)

- A. It is a binary file.
- B. It cannot be used to restore the system during disaster recovery.
- C. It can use this file for an import.
- D. It can be used only on a system that is running the same version as the system from which the backup file was exported.
- E. It is an XML file.

**Answer:** AD

**QUESTION 110**

Under which condition can you select the option to "remove" a blade server from within the Cisco UCS Manager?

- A. The server has been decommissioned before physical removal.
- B. The server has been sent a diagnostic interrupt.
- C. The server has been physically removed before decommission.
- D. The server has been powered down.

**Answer:** C

**QUESTION 111**

Which consideration must be made while performing backup operations within the Cisco UCS Manager?

- A. Each backup destination can have multiple backup operations.
- B. Backups can be scheduled ahead of time.
- C. A user can perform incremental backups of a system configuration.
- D. Rerunning an existing backup operation overwrites the existing backup file.

**Answer:** D

**QUESTION 112**

Which four Cisco UCS components use the Cisco NX-OS syslog services to generate syslog entries for system information and alerts? (Choose four.)

- A. I/O module
- B. fabric interconnect
- C. chassis
- D. Cisco Integrated Management Controller
- E. Cisco UCS Manager
- F. adapter
- G. Ethernet uplink
- H. storage module

**Answer:** ADEF

**QUESTION 113**

Which scheduling option sets the number of tasks that can be run?

- A. max number of concurrent tasks
- B. max changes
- C. max number of tasks
- D. max configuration requests

**Answer:** C

**QUESTION 114**

Which two statements about Call Home are true? (Choose two.)

- A. The virtual IP address of the Cisco UCS Manager in a cluster is the source of the email.
- B. In a cluster configuration, at least one fabric interconnect must have IP connectivity.
- C. The fabric interconnect must have IP connectivity to email server or the destination HTTP server
- D. At least one destination profile must be configured.
- E. Call Home requires SCP to transfer the files securely.

**Answer:** CD

**QUESTION 115**

Which four physical connections on a fabric interconnect are needed to perform the initial system setup for a cluster configuration? (Choose four.)

- A. Ethernet uplink ports connected to upstream switch
- B. console port connected to a computer terminal or console server.
- C. Layer 1 ports on both fabric interconnects connected to each other
- D. Layer 1 port of the first fabric interconnect connected to Layer 2 port of the second fabric interconnect
- E. Layer 2 ports on both fabric interconnects connected to each other
- F. Fibre Channel uplink ports connected to upstream fabric switch
- G. management Ethernet port (mgmt0) connected to external switch or router
- H. port channel to each fabric interconnect

**Answer:** BCEG

**QUESTION 116**

Which statement about the purpose of a storage connection policy in Cisco UCS Manager is true?

- A. It sets a minimum baseline of requirements for when vHBAs are configured in a service profile.
- B. It defines how zoning is configured for initiators and targets on the fabric interconnect.
- C. It sets a minimum baseline of requirements for when storage devices connect to the fabric interconnects.
- D. It defines the number of storage connections that are allowed to connect to the fabric interconnects.

**Answer:** B

**QUESTION 117**

Which policy determines what happens to local disks when they are disassociated from a service profile?

- A. maintenance policy
- B. local disk policy
- C. scrub policy
- D. BIOS policy

**Answer:** C

**QUESTION 118**

Which policy is used to specify how Cisco UCS Manager should proceed for configuration changes that will have a service impact?

- A. host firmware policy
- B. maintenance policy
- C. local disk policy
- D. BIOS policy

**Answer:** B

**QUESTION 119**

After an admin configures a service profile template and associates it to the blade, the admin notices that changes to the template are not automatically pushed to profiles that are inheriting that template. The service profile template and vNIC templates are set to "initial". Which two actions resolve this issue? (Choose two.)

- A. Delete the service profile template and re-create it as an updating template.
- B. Change the type of the service profile template from "initial" to "updating".
- C. Delete the vNIC template and re-create it as an updating template.
- D. Change the type of the vNIC template from "initial" to "updating".
- E. Delete and recreate all templates.

**Answer:** AD

**QUESTION 120**

Which consideration must be made while utilizing the UEFI boot mode?

- A. Legacy boot modes cannot be used on the same server.
- B. This mode applies only to models before the M3.
- C. The service profile cannot be disassociated without decommissioning the blade.
- D. This mode replaces the UEFI shell typically available as a boot fallback.

**Answer:** A

**QUESTION 121**

Which boot option must be present in the boot policy to have the option to manually boot from the FlexFlash Secure Digital card?

- A. any configuration
- B. FlexFlash state
- C. local disk
- D. remote virtual drive

**Answer:** C

**QUESTION 122**

An admin wants to make sure that for each VLAN added to a vNIC, a static MAC address entry is added to the fabric interconnect. Which setting within Cisco UCS Manager accomplishes this task?

- A. The MAC Register Mode in the network control policy is set to Only Native VLAN.
- B. The MAC Register Mode in the LAN connectivity policy is set to All Host VLANs.
- C. The MAC Register Mode in the network control policy is set to All Host VLANs.
- D. The MAC Register Mode in the LAN connectivity policy is set to Only Native VLAN.
- E. The MAC Register Mode in the link protocol policy is set to All Host VLANs.
- F. The MAC Register Mode in the link protocol policy is set to Only Native VLAN.

**Answer:** C

**QUESTION 123**

Which statement about an iSCSI vNIC when it is created with an overlay NIC is true?

- A. It can have any VLAN allowed on it.
- B. It can be assigned a unique MAC address.
- C. It can have a unique pin group assigned to it.
- D. It can have only the overlays native VLAN associated to it.

**Answer:** D

**QUESTION 124**

While configuring communication between vCenter and Cisco UCS, which two items are contained in the extension file? (Choose two.)

- A. extension key
- B. plug-in version information
- C. SSL private certificate
- D. Cisco UCS Manager SSL public certificate
- E. SSH public key
- F. Cisco UCS Manager admin credentials
- G. IP address of the hosts utilizing VM link
- H. vCenter SSL public certificate

**Answer:** AD

**QUESTION 125**

Cisco UCS Manager has deleted the VM object from its database, yet it still exists in vCenter. For which two reasons is the object removed from the Cisco UCS Manager database? (Choose two.)

- A. The VM last passed traffic more than 5 minutes ago.
- B. The VM is misconfigured.
- C. The VM has been offline for more than 15 minutes.
- D. vCenter is offline.
- E. The VN link policy has been set for auto-deletion during a vMotion event.
- F. The link between the fabric interconnect and IOM is offline.
- G. The object was deleted in the Cisco UCS Manager, which also deletes it from vCenter.
- H. The VM traffic is being sent to a SPAN

**Answer:** CF

**QUESTION 126**

Which option describes the difference between "high-performance" and "none" on a VM-FEX port profile?

- A. None is software assisted, and high-performance is software and hardware assisted.
- B. None indicates that VM-FEX is not used on this interface, and high-performance indicates that is used.
- C. None is used for management profiles, and high-performance is used for mission-critical data profiles.
- D. None assumes default scheduling settings for the port profile, and high-performance gives the ports priority in scheduling.

**Answer:** A

**QUESTION 127**

While configuring VM-FEX for Hyper-V, the virtual switch does not show up when you add the host with the port-profile management snap-in. Which statement describes the most likely cause?

- A. SR-IOV is not enabled for the virtual switch inside Hyper-V.
- B. Cisco Nexus 1000v is not enabled for the virtual switch.
- C. Hyper-V requires Cisco UCS Manager to utilize Cisco Discovery Protocol on the vNIC profile.
- D. An active VM is not associated with the port profile.
- E. VM-FEX does not work with Hyper-V.
- F. VM-FEX has been configured on the Catalyst switch but not in System Center yet.

**Answer:** A

**QUESTION 128**

Which statement about Adapter FEX is true?

- A. Adapter FEX extends the fabric into the server.
- B. Adapter FEX extends the fabric into the hypervisor.
- C. Adapter FEX extends the fabric down to the FEX port.

- D. Adapter FEX extends the fabric down to the VM.

**Answer:** A

**QUESTION 129**

Which technology makes VM-FEX possible?

- A. VXLAN
- B. VNTAG
- C. VPC
- D. DVS

**Answer:** B

**QUESTION 130**

Where do you configure the VLAN when provisioning new VLANs in VM-FEX?

- A. vCenter on the port group
- B. Cisco UCS Manager on the port profile
- C. Cisco UCS Manager on the service profile
- D. vCenter on the host

**Answer:** B

**QUESTION 131**

When using VM-FEX, the new VMs are not connected, but existing VMs are unaffected. Which option describes the most likely cause?

- A. Binding is set to ephemeral on the DVS, but it must be set to static.
- B. Dynamic NICs have been exhausted.
- C. Hostd on the host has stopped responding to Cisco UCS Manager.
- D. The adapter has failed.

**Answer:** B

**QUESTION 132**

Which of the following is true concerning Fibre Channel communications on a Cisco Unified Computing System?

- A. Each VSAN requires a dedicated VLAN to carry FCoE traffic.
- B. FCoE VLANs are created like Ethernet VLANs on Cisco Unified Computing System Manager.
- C. FCoE VLANs may overlap with Ethernet VLANs.
- D. Cisco Unified Computing System Manager supports a maximum of 128 active VSANS.

**Answer:** A

**QUESTION 133**

Which three tasks can a user with the ext-lan-policy privileges perform? (Choose three.)

- A. Configure management interfaces on the fabric interconnect.
- B. Configure Ethernet pin groups.
- C. Configure management interfaces monitoring policy.
- D. Create/modify/delete vNIC/vHBA placement policies.
- E. Configure DNS providers and DNS domain.
- F. Specify the allowed range for virtual MAC addresses.
- G. Configure fabric interconnect system name.
- H. This privilege has full access to all operations.

**Answer:** BDF

#### **QUESTION 134**

Which two settings are required when utilizing DirectPath I/O? (Choose two.)

- A. CPU pinning
- B. full memory reservation
- C. Set port profile performance to "high".
- D. vCPU pinning
- E. VM queue modification
- F. adapter profile update
- G. Install DirectPath VIB on host.
- H. Enable VMQ with the "enable-netadAPTERvmq" cmdlet.

**Answer:** BC

#### **QUESTION 135**

When configuring roles in the Cisco UCS C-Series, which role should be assigned for a person who must be allowed to power on the server and install a hypervisor using virtual media, but not allowed to configure other Cisco Integrated Management Controller settings?

- A. read-only
- B. user
- C. VM admin
- D. admin

**Answer:** B

#### **QUESTION 136**

##### Scenario

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

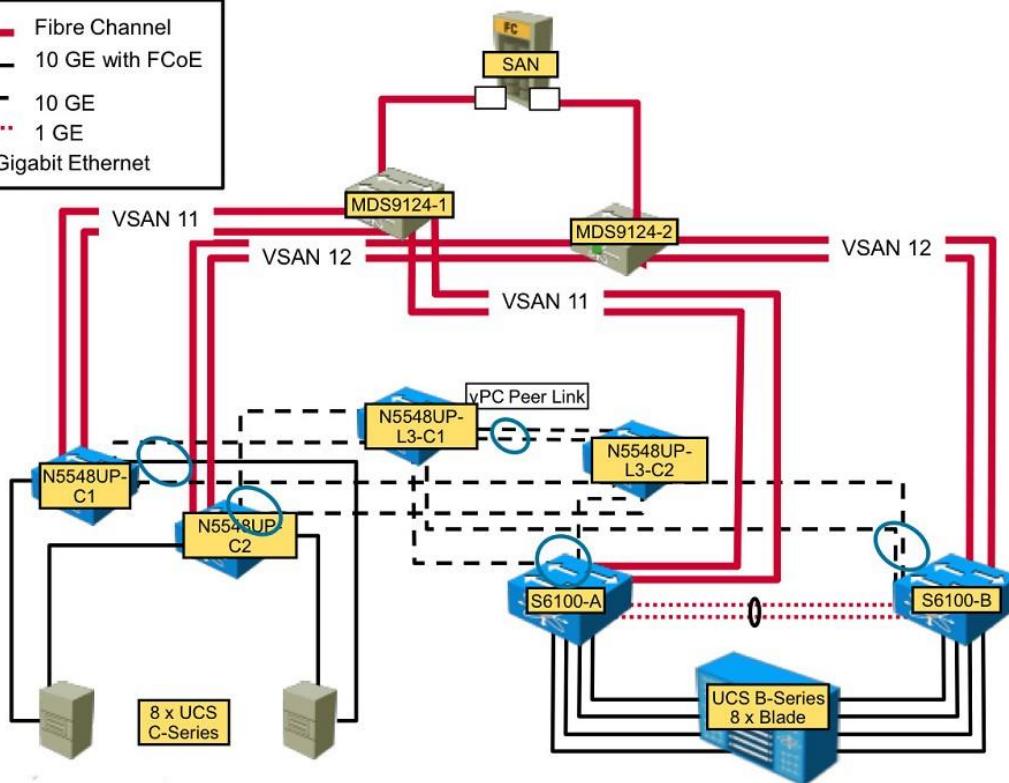
##### Instructions

To access the multiple-choice questions, click on the numbered boxes on the left of the top panel. There are four multiple-choice questions with this task.

Be sure to answer all four questions before selecting the Next button.

Legend:

- Fibre Channel
- 10 GE with FCoE
- - - 10 GE
- ..... 1 GE
- GE = Gigabit Ethernet

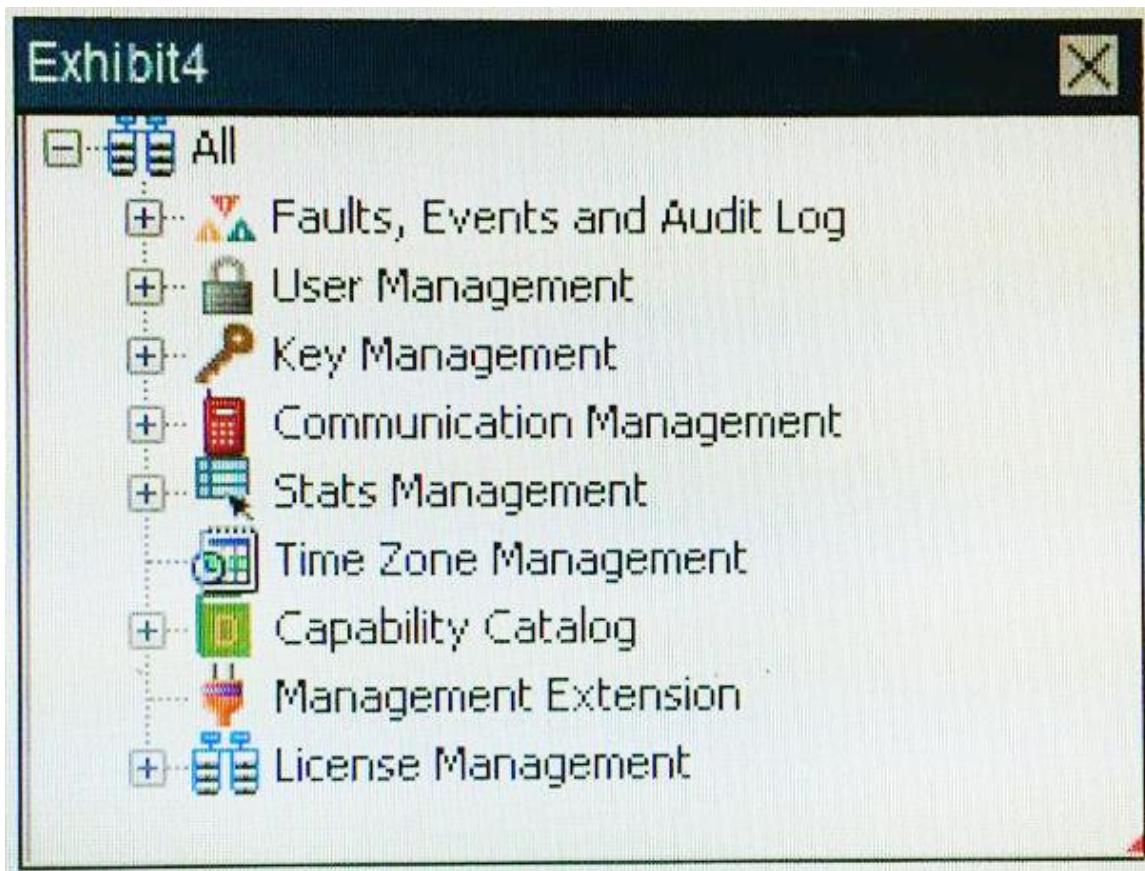


**Exhibit2**

```
interface Vethernet749
  description server 1/1, VNIC vNIC0
  switchport mode trunk
  untagged cos 4
  no pinning server sticky
  pinning server pinning-failure link-down
```

## Exhibit3





Refer to the Exhibit 2 screenshot of the NX-OS shell CLI in UCS Manager. What LAN policy correlates with the line "pinning server pinning-failure link-down"?

- A. Dynamic vNIC Connection
- B. Link Protocol
- C. Flow Control
- D. Network Control

**Answer:** D

**Explanation:**

<http://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-5100-series-blade-server-chassis/116075-ucs-app-connectivity-tshoot-00.html>  
[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_010101.html#concept\\_80DD753607A0427A9874F278E172F2FA](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010101.html#concept_80DD753607A0427A9874F278E172F2FA)

#### QUESTION 137

Scenario

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

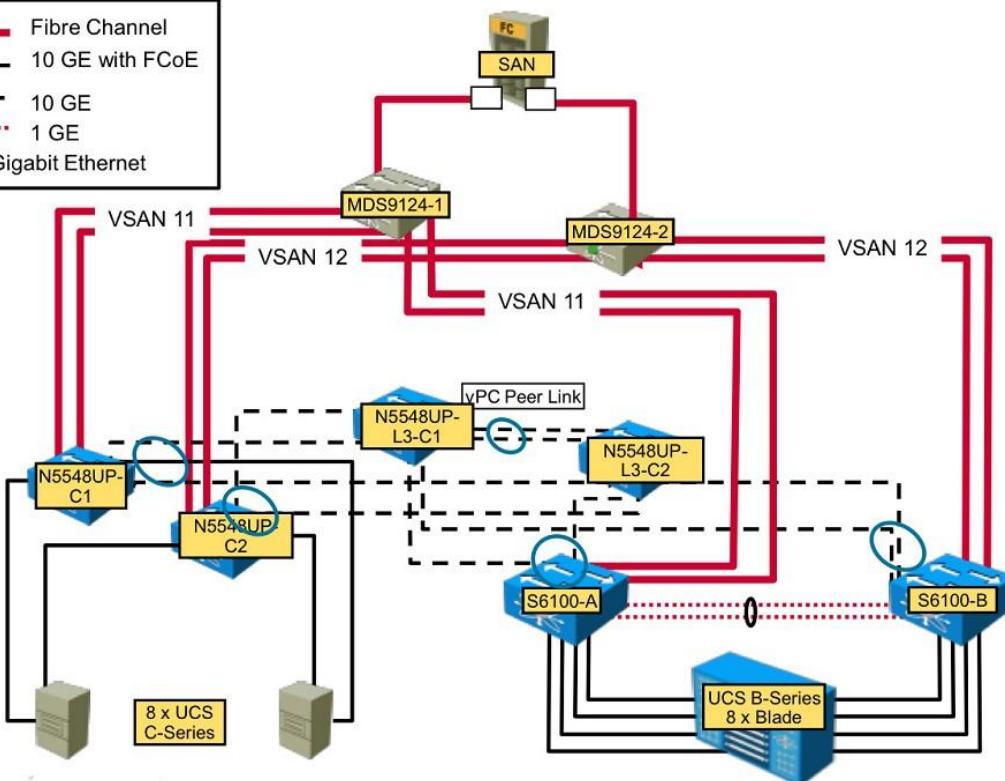
Instructions

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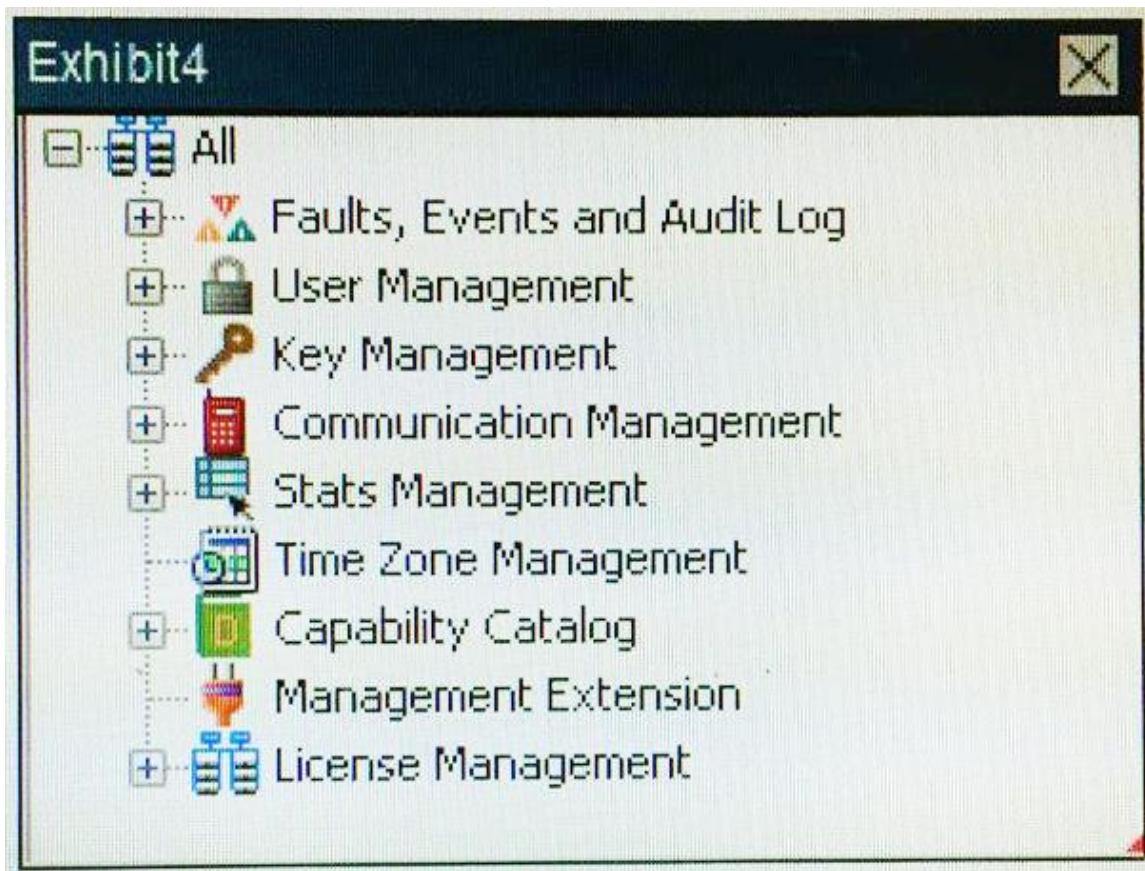
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**Exhibit2**

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    description server 1/1, vNIC vNIC0
    switchport mode trunk
    untagged cos 4
    no pinning server sticky
    pinning server pinning-failure link-down
```

**Exhibit3**



Which log would you view to determine which UCS Manager user modified a Service Profile?

- A. Events
- B. Audit
- C. Syslog
- D. SEL

**Answer:** D

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_01\\_01101.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_01_01101.html)

### QUESTION 138

Scenario

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

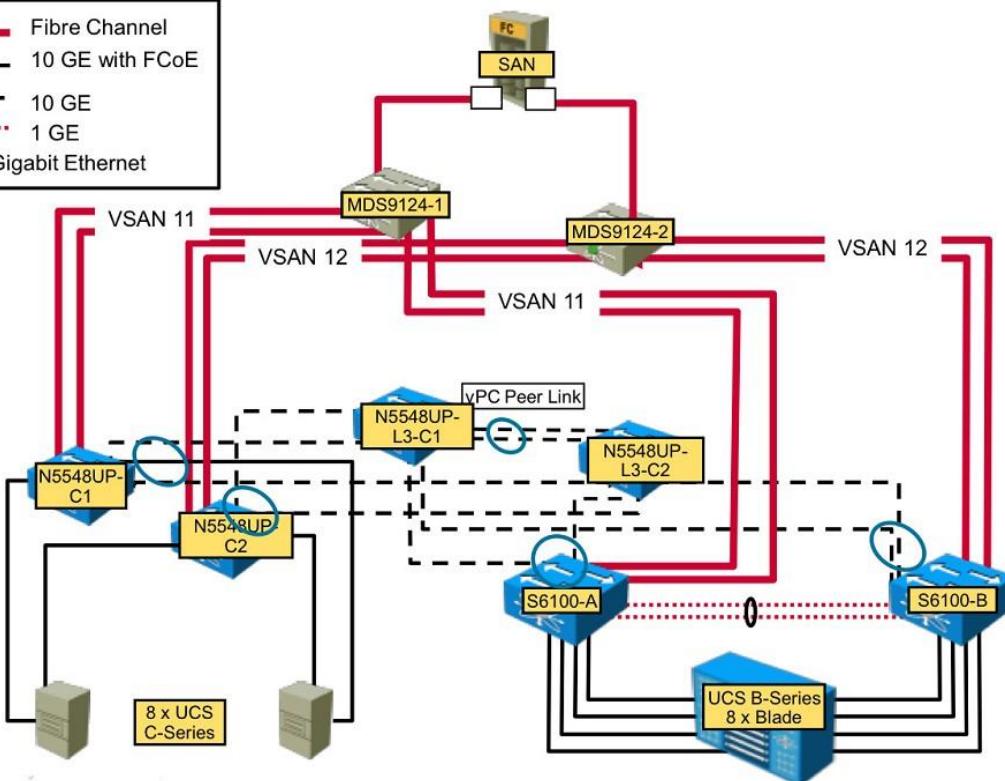
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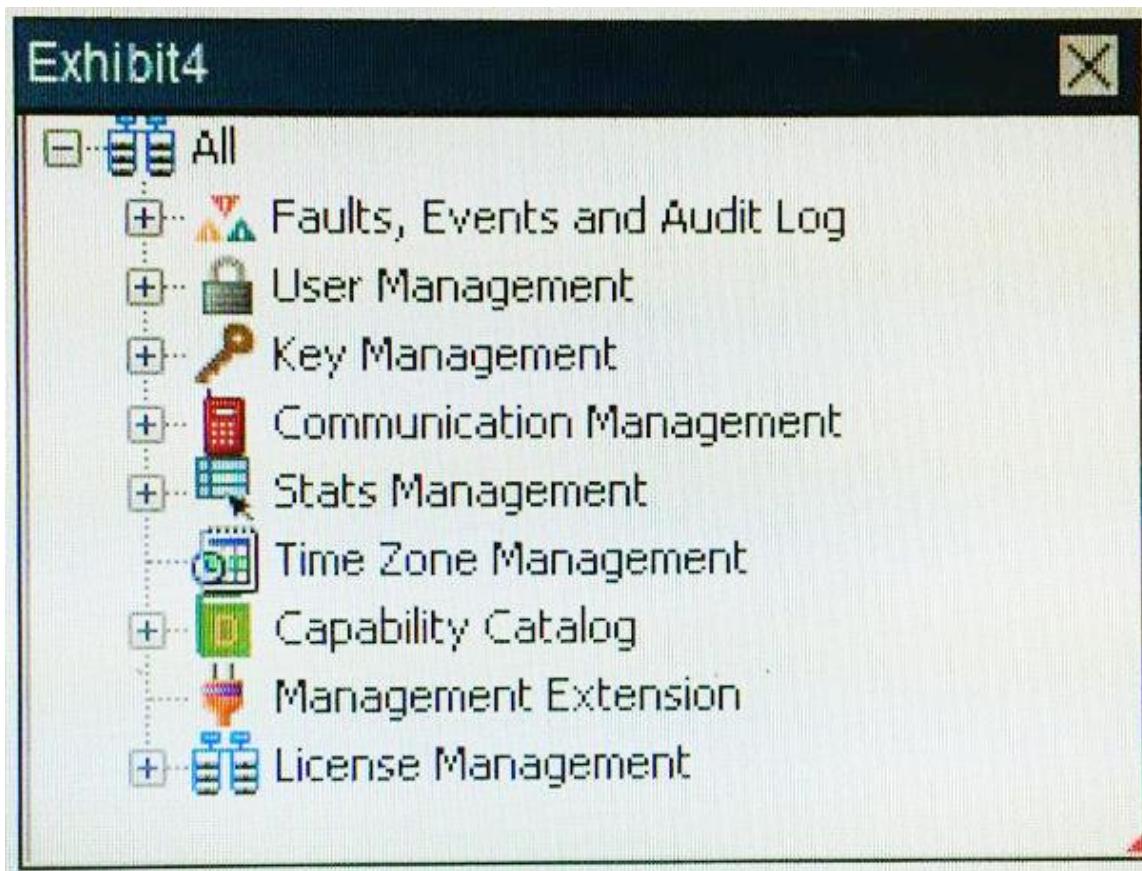

**Exhibit2**

```

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    description server 1/1, vNIC vNIC0
    switchport mode trunk
    untagged cos 4
    no pinning server sticky
    pinning server pinning-failure link-down

```

**Exhibit3**



Refer to the Exhibit 3 screenshot of UCS Manager. Which two items are required to configure an IPMI profile? (Choose two.)

- A. IPMI Type
- B. User
- C. Role
- D. Locale
- E. Administrative State

**Answer:** BC

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_01\\_1100.html#d129007e3491a1635](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_01_1100.html#d129007e3491a1635)

### QUESTION 139

Scenario

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

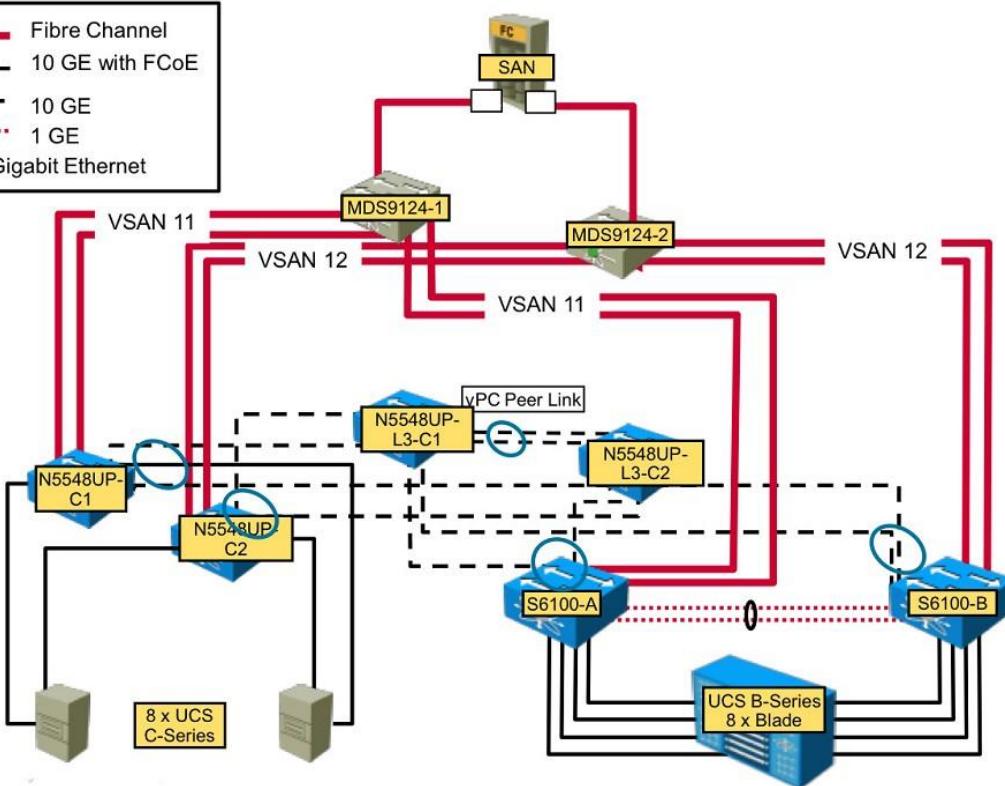
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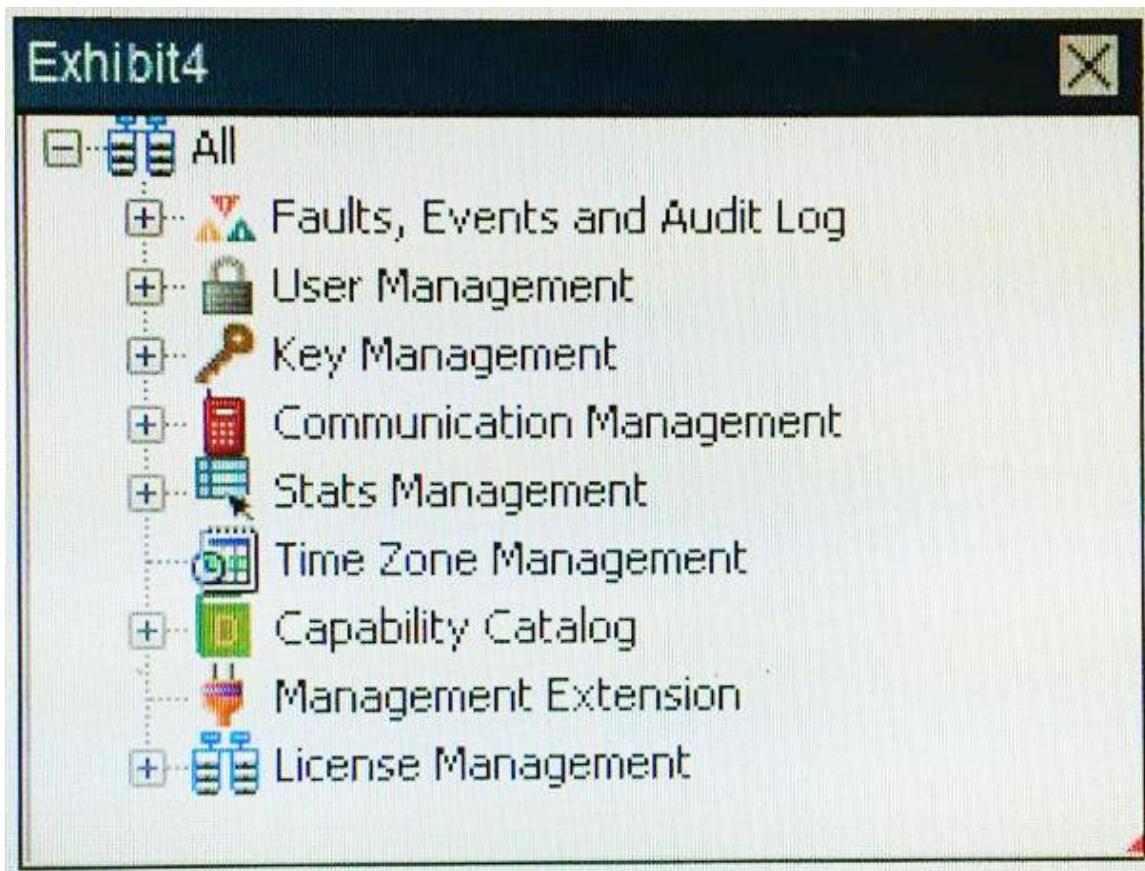


**Exhibit2**

```
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  description server 1/1, VNIC vNIC0
  switchport mode trunk
  untagged cos 4
  no pinning server sticky
  pinning server pinning-failure link-down
```

## Exhibit3





Refer to the Exhibit 4 screenshot of the UCS Manager. Which item can only be configured in the Storage Cloud?

- A. iQN Pools
- B. Storage FC Clinks
- C. Port Channels
- D. VSANs
- E. Zoning

**Answer:** D

**Explanation:**

<http://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-infrastructure-ucs-manager-software/116082-config-ucs-das-00.html>

#### **QUESTION 140**

**Scenario**

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

**Instructions**

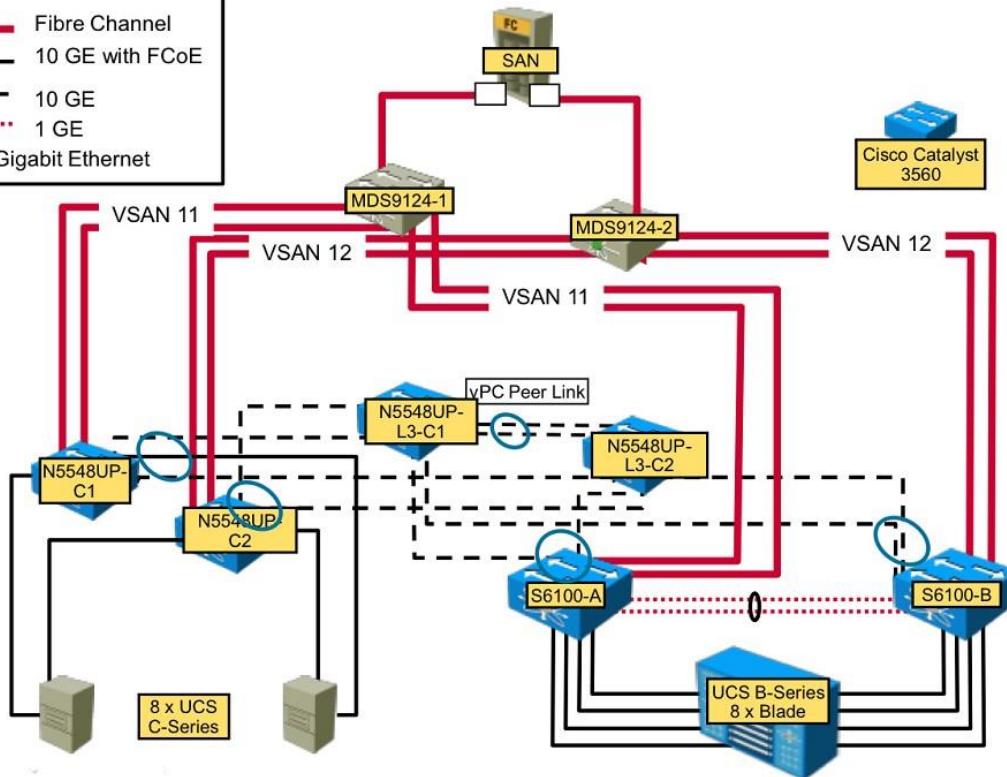
To access the multiple-choice questions, click on the numbered boxes on the left of the top panel. There are four multiple-choice questions with this task.

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## DCUCI 5.0 Lab Topology—Backbone

Legend:

- Fibre Channel
- 10 GE with FCoE
- - - 10 GE
- .... 1 GE
- GE = Gigabit Ethernet



**Exhibit2**

Boot Order	
<b>Configured Boot Order</b>	<b>Actual Boot Order</b>
	<ul style="list-style-type: none"> <li>+ IBA GE Slot 0200 v1553 (NonPolicyTarget)</li> <li>+ IBA GE Slot 0201 v1553 (NonPolicyTarget)</li> <li>+ IBA GE Slot 0202 v1553 (NonPolicyTarget)</li> <li>+ IBA GE Slot 0203 v1553 (NonPolicyTarget)</li> <li>+ UEFI: Built-in EFI Shell (NonPolicyTarget)</li> <li>+ (Bus 81 Dev 00)PCI RAID Adapter (NonPolicyTarget)</li> </ul>

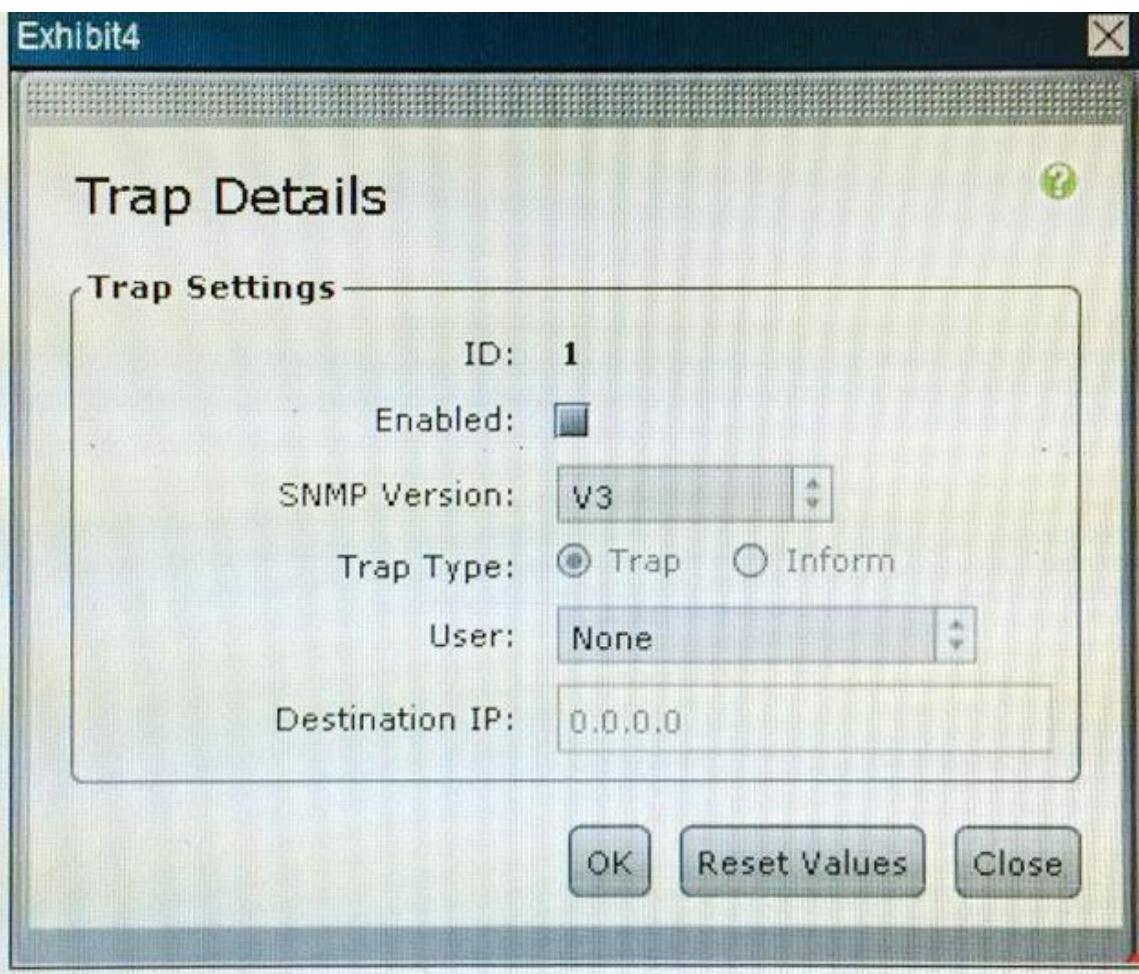
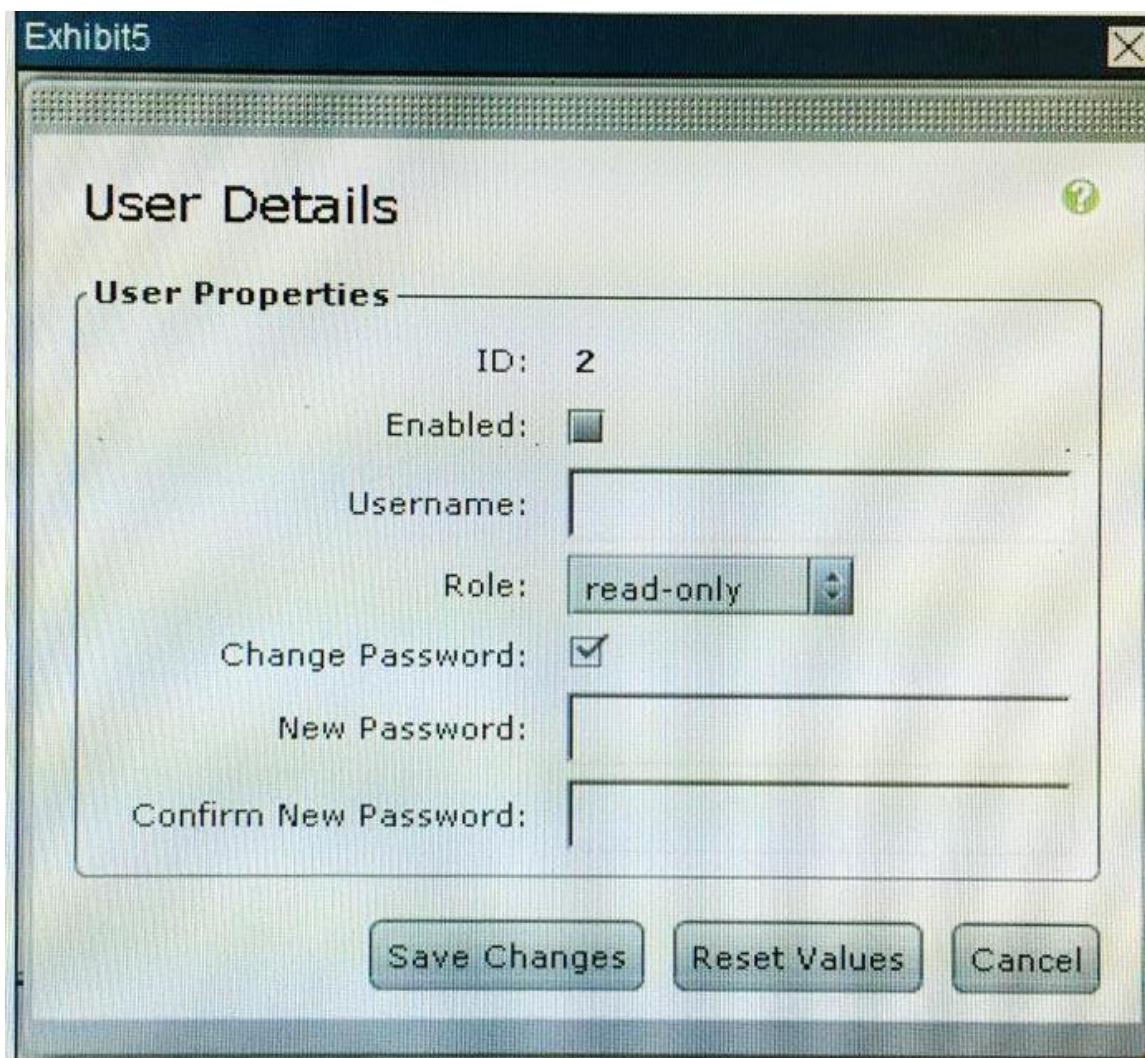


Exhibit5



Refer to the screenshot in Exhibit 2. Which item is true about Boot Order in Cisco UCS -Series Rack Servers?

- A. Boot order configured in the BIOS will not be reflected in the Cisco IMC GUI.
- B. Boot options should not be disabled in the BIOS.
- C. The Boot Order set in the BIOS does not override the Cisco IMC.
- D. Boot Order should only be configured in the Cisco IMC GUI.

**Answer:** A

**QUESTION 141****Scenario**

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

**Instructions**

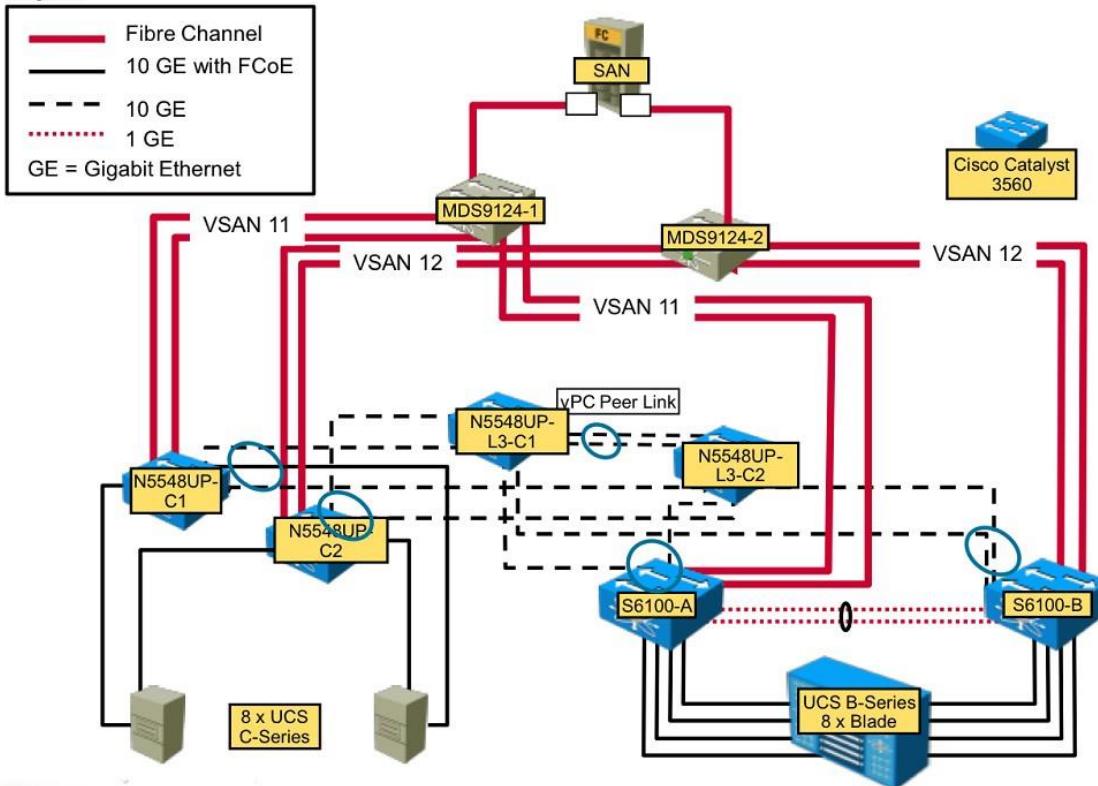
To access the multiple-choice questions, click on the numbered boxes on the left of the top panel. There are four multiple-choice questions with this task.

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## DCUCI 5.0 Lab Topology—Backbone

Legend:

- Fibre Channel
  - 10 GE with FCoE
  - - - 10 GE
  - 1 GE
- GE = Gigabit Ethernet



**Exhibit2**

Boot Order	Actual Boot Order
Configured Boot Order	<ul style="list-style-type: none"> <li>+ IBA GE Slot 0200 v1553 (NonPolicyTarget)</li> <li>+ IBA GE Slot 0201 v1553 (NonPolicyTarget)</li> <li>+ IBA GE Slot 0202 v1553 (NonPolicyTarget)</li> <li>+ IBA GE Slot 0203 v1553 (NonPolicyTarget)</li> <li>+ UEFI: Built-in EFI Shell (NonPolicyTarget)</li> <li>+ (Bus 81 Dev 00)PCI RAID Adapter (NonPolicyTarget)</li> </ul>

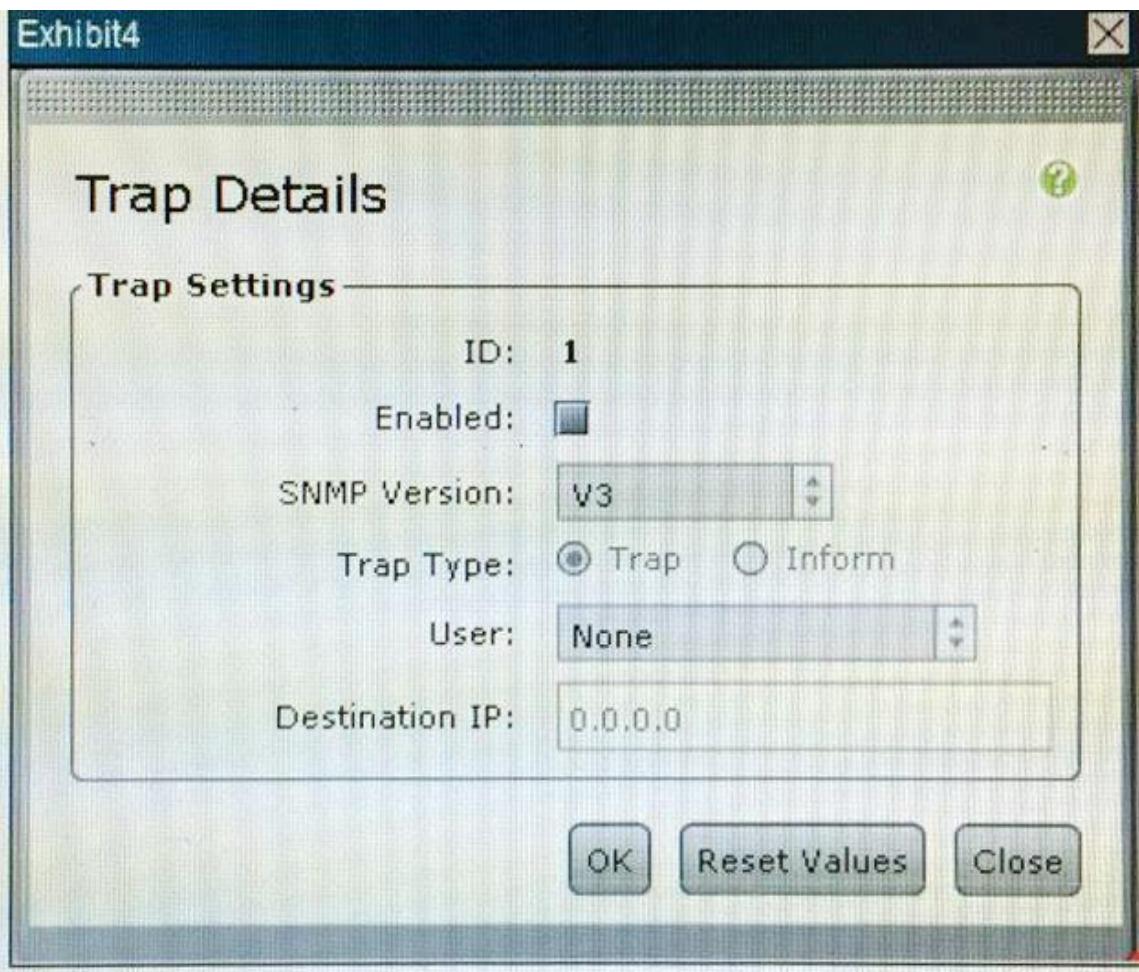
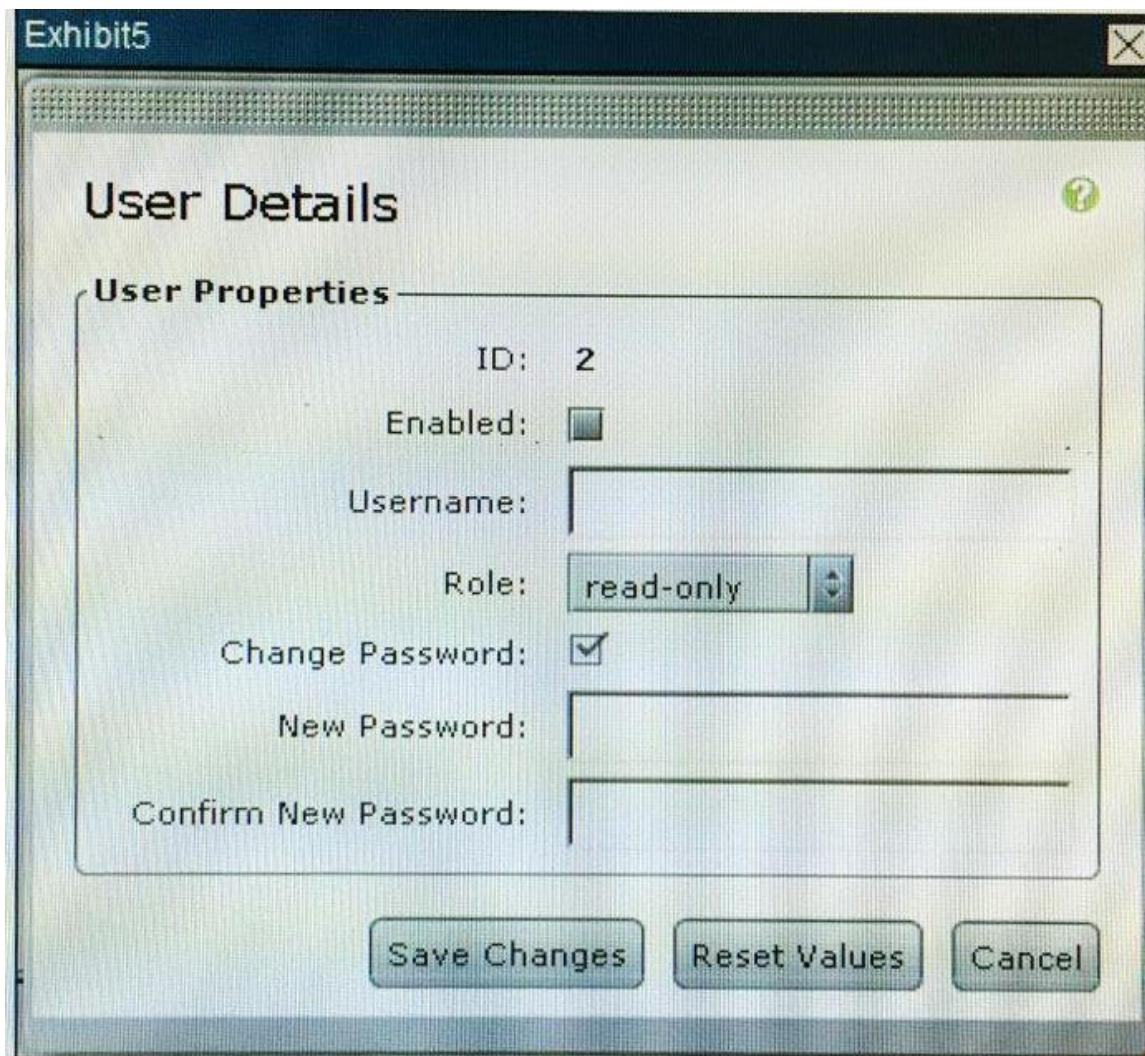


Exhibit5



Refer to the screenshot in Exhibit 3. Which tab would you choose to determine that a user failed to login to Cisco IMC?

- A. Fault Summary
- B. System Event Log
- C. CIMC Log
- D. Logging Controls

**Answer:** C

**Explanation:**

[http://www.cisco.com/en/US/docs/unified\\_computing/ucs/c/sw/gui/config/guide/1.5/b\\_Cisco\\_UCS\\_C-series\\_GUI\\_Configuration\\_Guide.151\\_chapter\\_01110.html#d85279e21a1635](http://www.cisco.com/en/US/docs/unified_computing/ucs/c/sw/gui/config/guide/1.5/b_Cisco_UCS_C-series_GUI_Configuration_Guide.151_chapter_01110.html#d85279e21a1635)

#### QUESTION 142

Scenario

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

Instructions

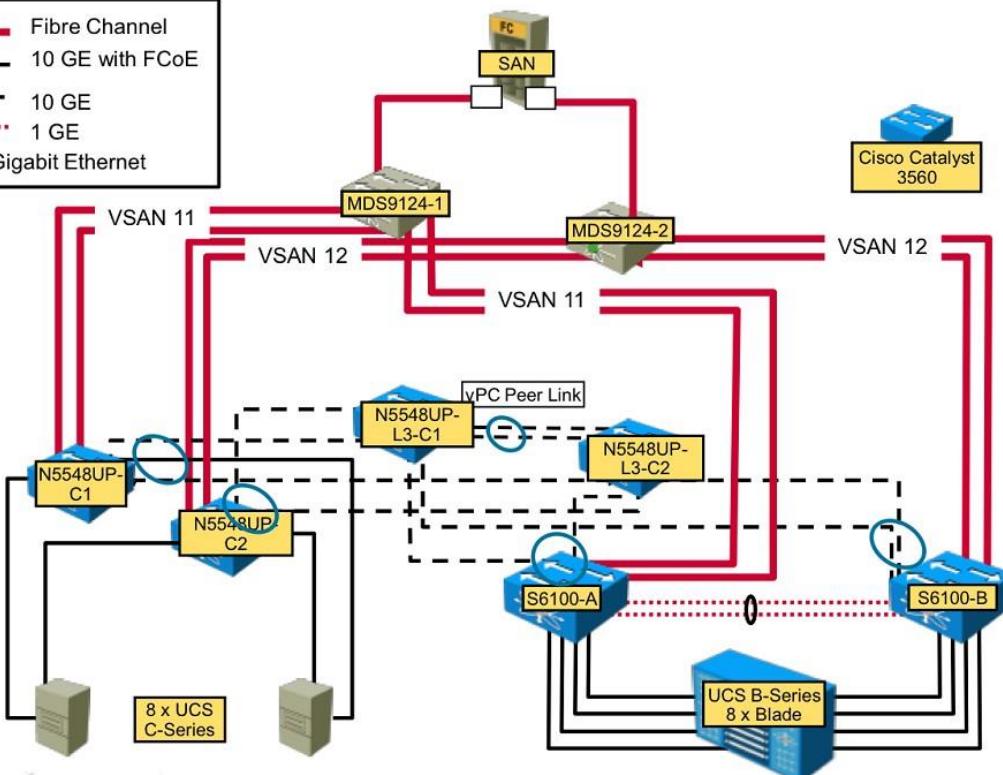
To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.

There are four multiple-choice questions with this task.  
 Be sure to answer all four questions before selecting the Next button.

## DCUCI 5.0 Lab Topology—Backbone

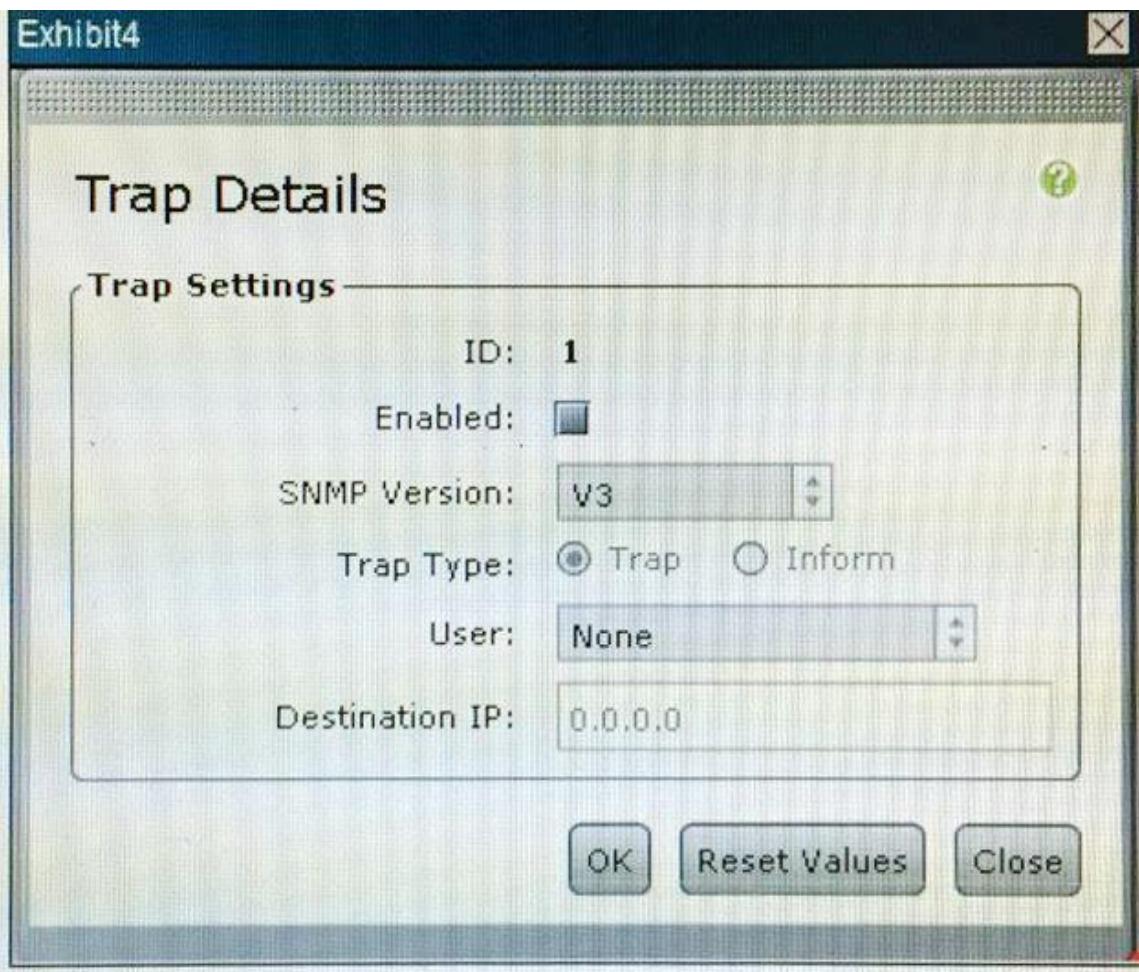
Legend:

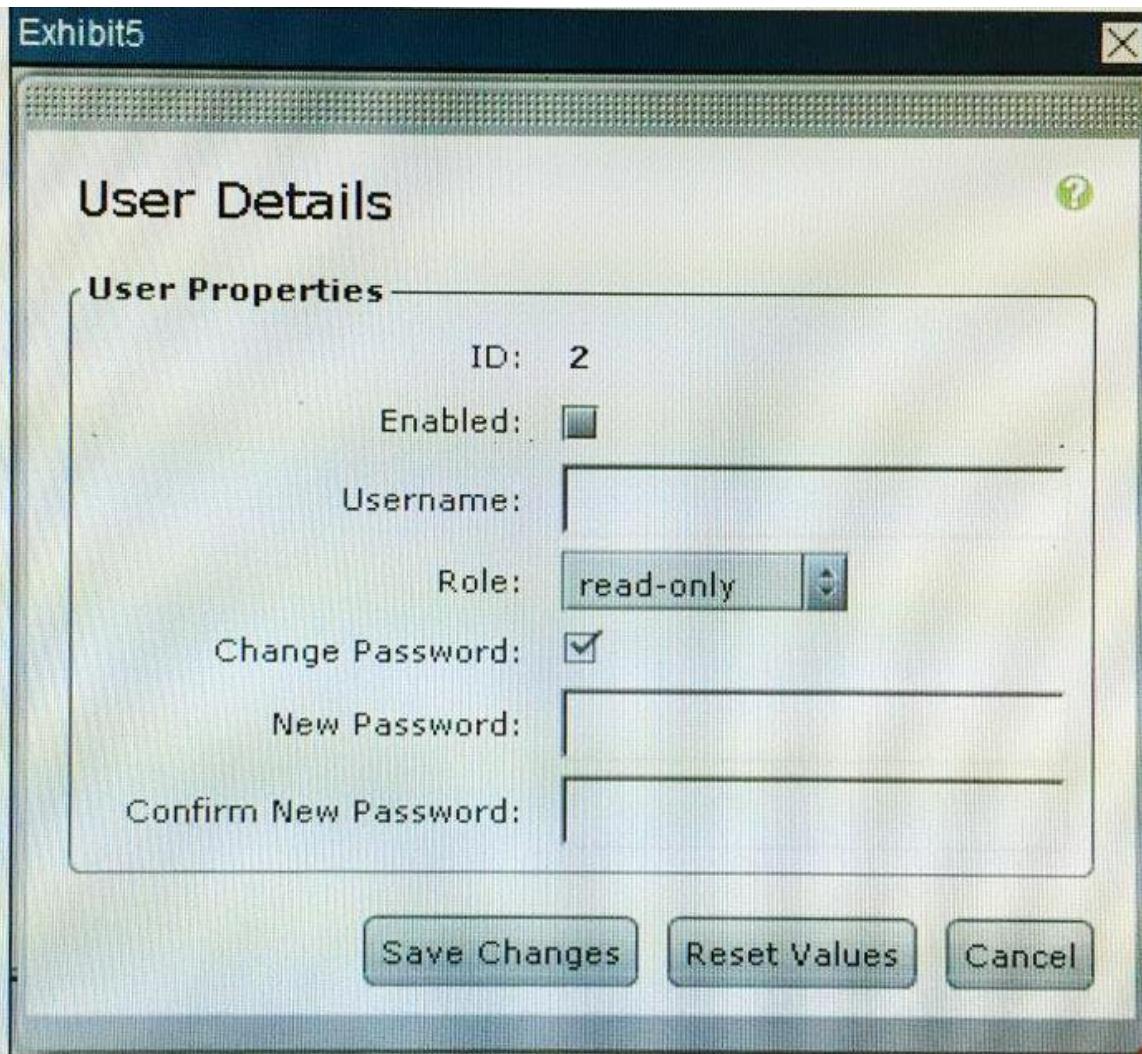
- Fibre Channel
- 10 GE with FCoE
- - - 10 GE
- .... 1 GE
- GE = Gigabit Ethernet



**Exhibit2**

Boot Order	Actual Boot Order
Configured Boot Order	<ul style="list-style-type: none"> <li>IBA GE Slot 0200 v1553 (NonPolicyTarget)</li> <li>IBA GE Slot 0201 v1553 (NonPolicyTarget)</li> <li>IBA GE Slot 0202 v1553 (NonPolicyTarget)</li> <li>IBA GE Slot 0203 v1553 (NonPolicyTarget)</li> <li>UEFI: Built-in EFI Shell (NonPolicyTarget)</li> <li>(Bus 81 Dev 00)PCI RAID Adapter (NonPolicyTarget)</li> </ul>





Refer to the screenshot in Exhibit 4. Once you enable an SNMP Trap destination, which SNMP Version is required to configure the Inform Trap Type?

- A. 1
- B. 2
- C. 2c
- D. 3

**Answer:** D

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5\\_x/nx-os/system\\_management/configuration/guide/sm\\_nx\\_os\\_cg/sm\\_9snmp.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5_x/nx-os/system_management/configuration/guide/sm_nx_os_cg/sm_9snmp.html)

#### QUESTION 143

**Scenario**

In this scenario, you will refer to screenshots about Cisco UCS B-Series servers and UCS Manager.

**Instructions**

To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.

There are four multiple-choice questions with this task.  
 Be sure to answer all four questions before selecting the Next button.

## DCUCI 5.0 Lab Topology—Backbone

Legend:

- Fibre Channel
- 10 GE with FCoE
- - - 10 GE
- .... 1 GE
- GE = Gigabit Ethernet

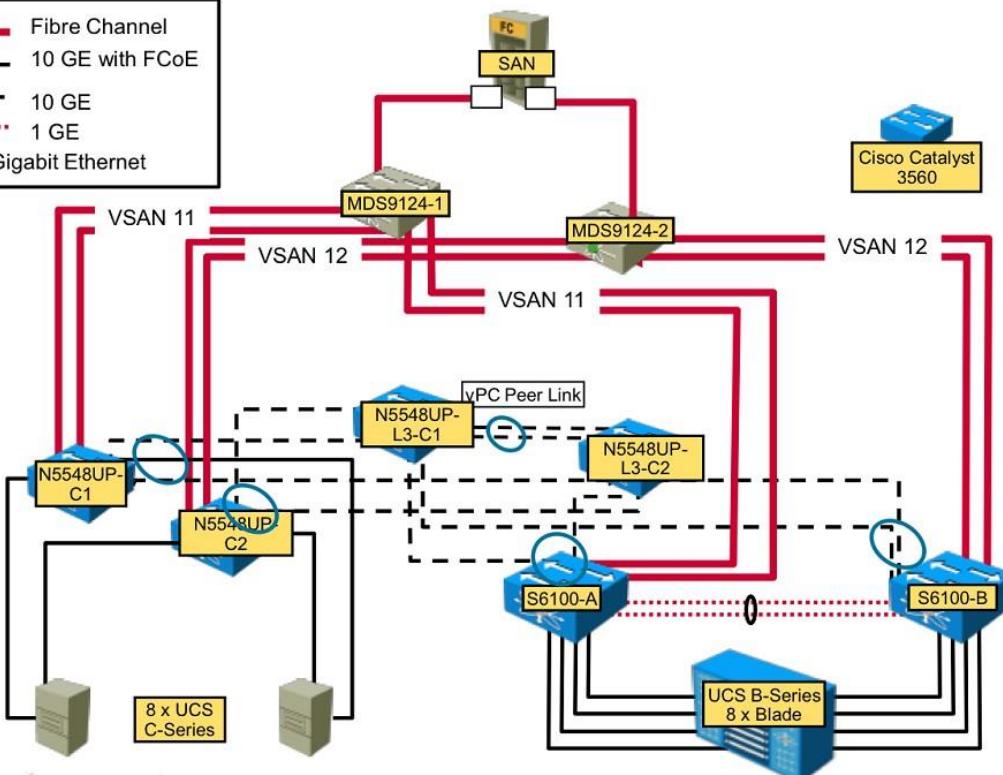


Exhibit2

Boot Order	Actual Boot Order
Configured Boot Order	<ul style="list-style-type: none"> <li>IBA GE Slot 0200 v1553 (NonPolicyTarget)</li> <li>IBA GE Slot 0201 v1553 (NonPolicyTarget)</li> <li>IBA GE Slot 0202 v1553 (NonPolicyTarget)</li> <li>IBA GE Slot 0203 v1553 (NonPolicyTarget)</li> <li>UEFI: Built-in EFI Shell (NonPolicyTarget)</li> <li>(Bus 81 Dev 00)PCI RAID Adapter (NonPolicyTarget)</li> </ul>

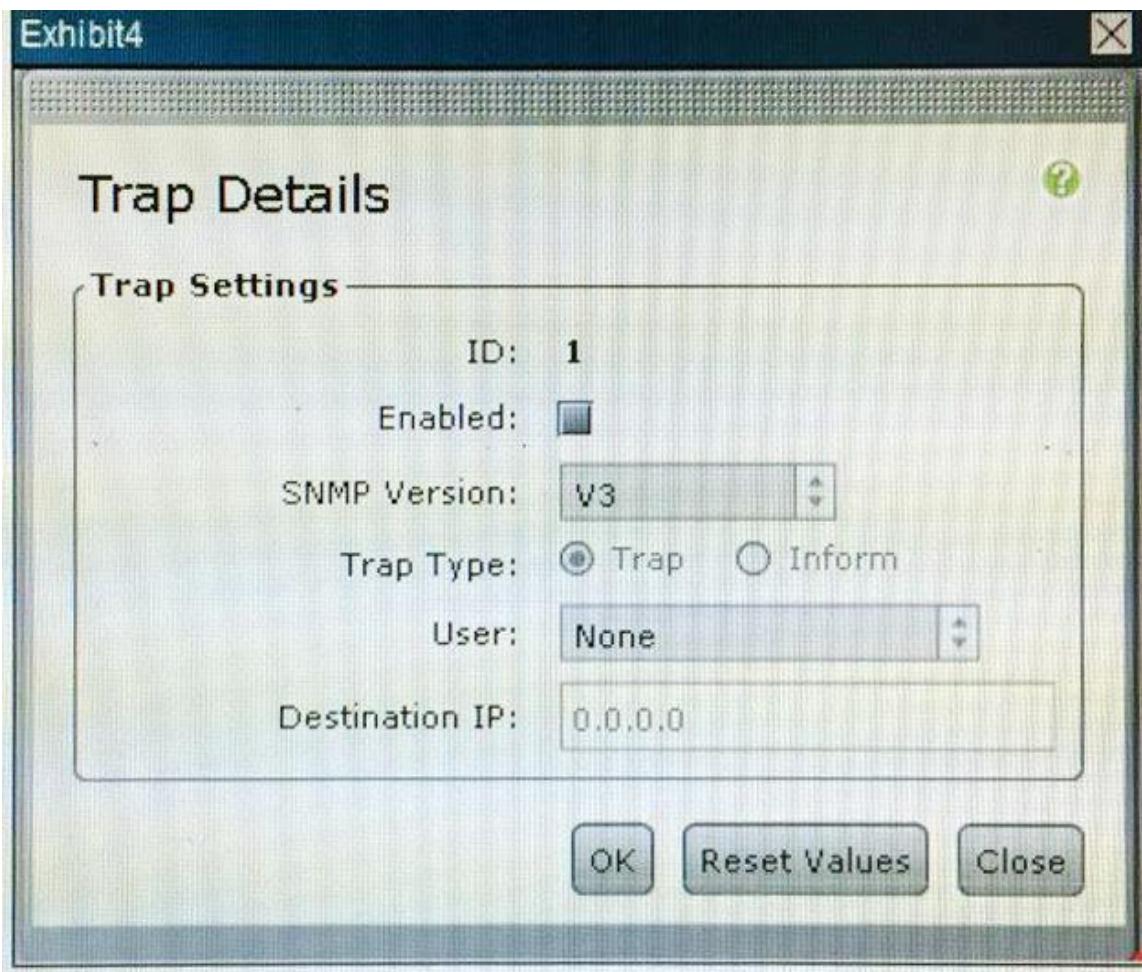
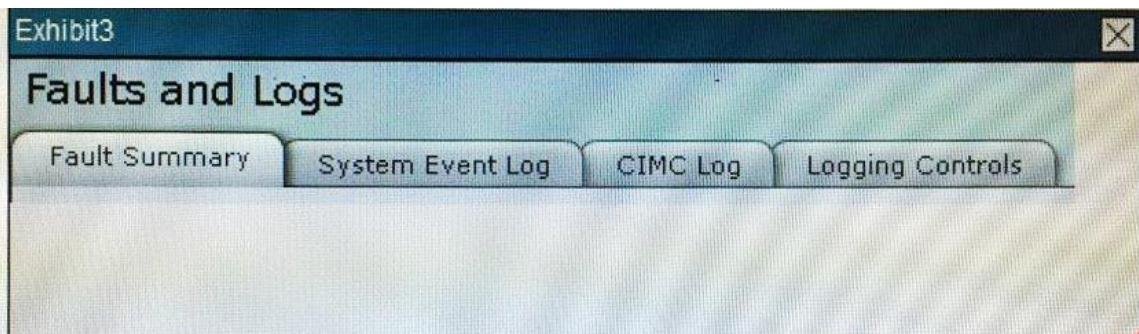
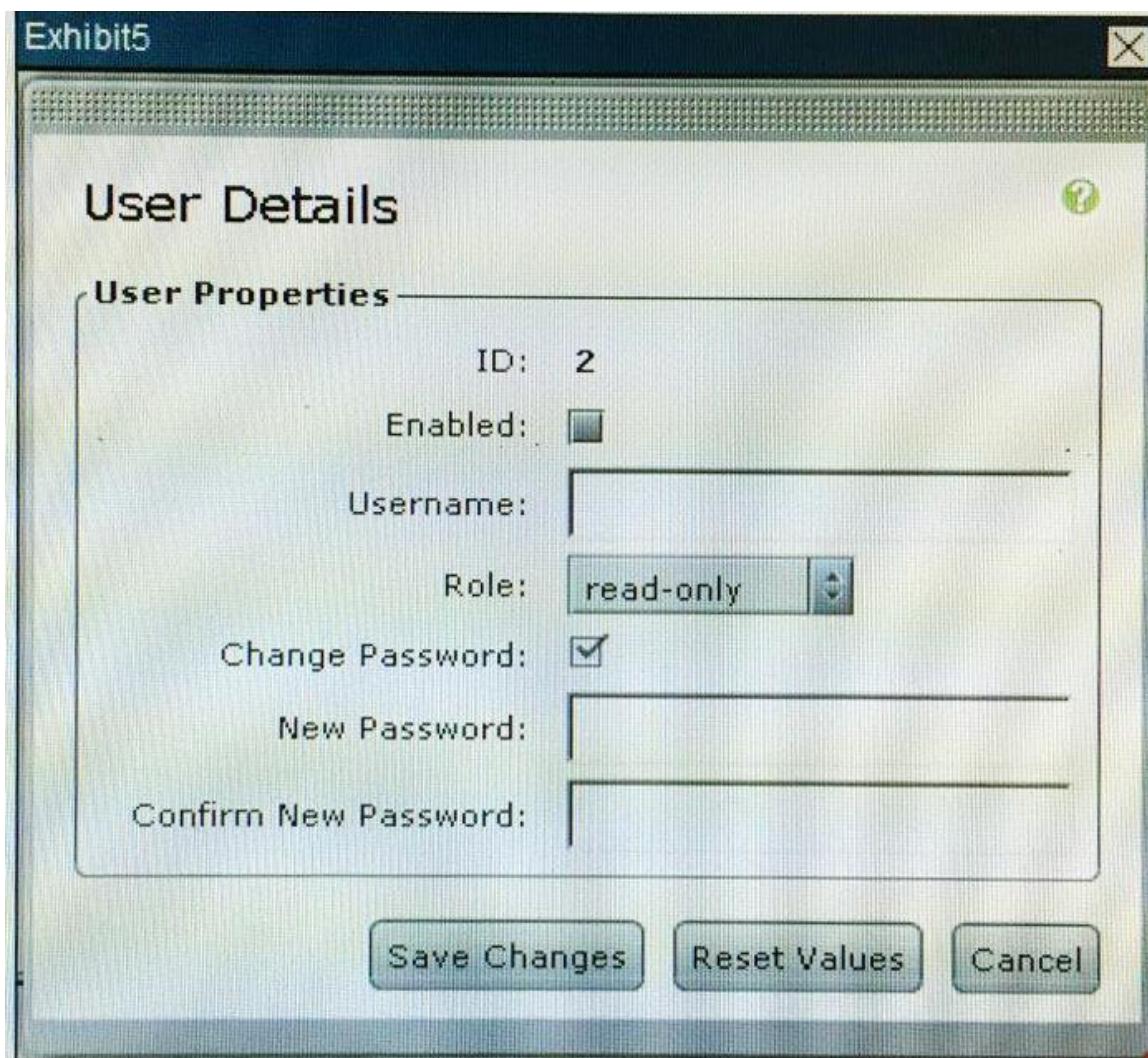


Exhibit5



Refer to the screenshot in Exhibit 5. Which of the following user roles allows the permission Clear All Logs?

- A. read-only
- B. user
- C. operator
- D. system

**Answer:** C

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_01\\_001.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_01_001.html)

#### QUESTION 144

Which three parameters can be configured for a vHBA? (Choose three.)

- A. Enable persistent binding.
- B. Enable a hardware-based failover.

- C. Define a SAN pin group
- D. Assign a QoS policy.
- E. Define an MTU.
- F. Assign a MAC address.

**Answer:** ACD

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1\\_chapter\\_011010.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-1/b_UCSM_GUI_Configuration_Guide_2_1/b_UCSM_GUI_Configuration_Guide_2_1_chapter_011010.html)

#### **QUESTION 145**

With Cisco UCS Manager, in which location do you monitor the chassis discovery process?

- A. CMC
- B. FSM
- C. CDP
- D. DME

**Answer:** B

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0100011.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0100011.html)

#### **QUESTION 146**

Which two protocols does the Cisco Integrated Management Controller support for managing standalone Cisco UCS -Series servers? (Choose two.)

- A. SoL
- B. IPMI
- C. IPMIv2
- D. SMASH CLP
- E. SNMPv3

**Answer:** CE

**Explanation:**

<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/at-a-glance-c45-737177.pdf>

The IMC supports industry-standard protocols, including Redfish version 1.01,

Intelligent Platform Monitoring Interface Version 2 (**IPMI v2**), and

Simple Network Management Protocol versions 2 and 3 (**SNMP v2 and v3**).

It also provides an open Extensible Markup Language (XML) API and a command-line interface (CLI).

#### **QUESTION 147**

Which three statements about what occurs when a Cisco UCS -Series Blade Server connects to the SAN across a fabric interconnect that is enabled in Fibre Channel NPV mode are true? (Choose three.)

- A. The server ports in F Port mode are pinned to the NP Ports.
- B. The E Ports are pinned to the E Ports on the fabric interconnect.
- C. Zoning is deployed on the fabric interconnect.
- D. The fabric interconnect is not assigned a Fibre Channel domain ID.
- E. Traffic that is received on the server ports in F Port mode from the server side is pinned to the NPIV-enabled uplink ports on the fabric interconnect.
- F. The fabric interconnect must have the Fibre Channel uplink port connected to the upstream switch F Port in NPIV mode that performs the Fibre Channel forwarder function.

**Answer:** ADE

**QUESTION 148**

You plan to implement FCoE on a Cisco UCS -Series server.

Which option must you configure from the Cisco Integrated Management Controller GUI?

- A. a vNIC failover
- B. a boot table entry
- C. NIV
- D. FIP mode

**Answer:** D

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/sw/gui/config/guide/1-2-1/b\\_Cisco\\_UCS\\_CSeries\\_Servers\\_Integrated\\_Management\\_Controller\\_Configuration\\_Guide\\_1\\_2\\_1/Cisco\\_UCS\\_CSeries\\_Servers\\_Integrated\\_Management\\_Controller\\_Configuration\\_Guide\\_1\\_2\\_1\\_chapter9.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/gui/config/guide/1-2-1/b_Cisco_UCS_CSeries_Servers_Integrated_Management_Controller_Configuration_Guide_1_2_1/Cisco_UCS_CSeries_Servers_Integrated_Management_Controller_Configuration_Guide_1_2_1_chapter9.html)

**QUESTION 149**

Refer to the exhibit. Which tables correctly map the HIF ports to active FEX NIF ports on a Cisco UCS 2208X IOM in discrete pinning mode?

<b>Table 1</b> 1 - Fabric uplink interface active	All the HIF ports are pinned to the active uplink interface
<b>Table 2</b> 2 - Fabric uplink interfaces active	HIF Ports : 1,2,3,4 to uplink interface 1 HIF Ports: 5,6,7,8 to uplink interface 2
<b>Table 3</b> 4 - Fabric uplink interfaces active	HIF Ports: 1,8 to uplink interface 1 HIF Ports: 2,3 to uplink interface 2 HIF Ports: 6,7 to uplink interface 3 HIF Ports: 4,5 to uplink interface 4
<b>Table 4</b> 8 – Fabric uplink interfaces active	HIV Port: 1 to uplink interface 1 HIV Port: 2 to uplink interface 2 HIV Port: 3 to uplink interface 3 HIV Port: 4 to uplink interface 4 HIV Port: 5 to uplink interface 5 HIV Port: 6 to uplink interface 6 HIV Port: 7 to uplink interface 7 HIV Port: 8 to uplink interface 8

- A. Table 2 and Table 4
- B. Table 1 and Table 4
- C. Table 2 and Table 3
- D. Table 1 and Table 2
- E. Table 3 and Table 4

**Answer:** B

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting\\_chapter\\_01001.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting_chapter_01001.html)

#### QUESTION 150

You have a Cisco UCS C-Series Server. What can you use to log the blade server statistics?

- A. the Cisco Integrated Management Controller log
- B. RADIUS
- C. LDAP
- D. the XML API

**Answer:** A

**Explanation:**

<http://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/datasheet-c78-733571.html>

#### QUESTION 151

You manage Cisco UCS -Series Rack-Mount Servers. Which three components can you upgrade

by using the Cisco Host Upgrade Utility? (Choose three.)

- A. the LAN on motherboard
- B. the Cisco Integrated Management Controller
- C. the operating system images
- D. the system BIOS
- E. the fabric interconnects
- F. the FEX modules

**Answer:** ABD

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/sw/lomug/2-0-x/b\\_huu\\_2\\_0\\_3/b\\_huu\\_2\\_0\\_3\\_chapter\\_01.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/lomug/2-0-x/b_huu_2_0_3/b_huu_2_0_3_chapter_01.html)

#### **QUESTION 152**

Which three components are parts of the Cisco UCS -Series Blade Server software bundle?  
(Choose three.)

- A. the adapter firmware
- B. the Kernel and system firmware for fabric interconnects
- C. the BIOS firmware
- D. the IOM firmware
- E. the Cisco UCS Manager software
- F. the board controller firmware

**Answer:** ACF

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-2/b\\_GUI\\_Firmware\\_Management\\_22/b\\_GUI\\_Firmware\\_Management\\_22\\_chapter\\_0100.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-2/b_GUI_Firmware_Management_22/b_GUI_Firmware_Management_22_chapter_0100.html)

#### **QUESTION 153**

Which slot(s) contain DIMMs in a 1DPC configuration on Cisco UCS blade server?

- A. 0
- B. 1 and 2 only.
- C. 1
- D. 2

**Answer:** C

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/hw/blade-servers/install/B200.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/hw/blade-servers/install/B200.html)

#### **QUESTION 154**

Which destination(s) are valid for syslog messages for a Cisco UCS Fabric Interconnect?

- A. a file and monitor only
- B. the log, the monitor and syslog queue
- C. the console
- D. the console and log only
- E. a file

- F. the console, the monitor, and a file

**Answer:** F

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/ucsm\\_syslog/b\\_Monitoring\\_Cisco\\_UCSM\\_Using\\_Syslog/b\\_Monitoring\\_Cisco\\_UCSM\\_Using\\_Syslog\\_chapter\\_010.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/ucsm_syslog/b_Monitoring_Cisco_UCSM_Using_Syslog/b_Monitoring_Cisco_UCSM_Using_Syslog_chapter_010.html)

#### QUESTION 155

Which two statements about the provisioning of Cisco VM-FEX DirectPath I/O mode are true?  
(Choose two.)

- A. The VT-D feature on the ESX host server must be disabled before you can enable VMDirectPath.
- B. VM-FEX standard mode is the same as VM-FEX high-performance mode.
- C. Enabling high performance turns on VMDirectPath mode.
- D. VMDirectPath mode prevents the use of VMware vMotion.
- E. To use Cisco VM-FEX DirectPath I/O mode, a virtual machine must have a dynamic vNIC and two static vNICs on the VIC adapter.

**Answer:** CE

**Explanation:**

[http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/vm\\_fex\\_best\\_practices\\_deployment\\_guide.html](http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/vm_fex_best_practices_deployment_guide.html)

#### QUESTION 156

Which maintenance action releases the assigned chassis ID for future use?

- A. acknowledge chassis
- B. reset CMOS
- C. decommission chassis
- D. remove chassis

**Answer:** C

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/managing\\_the\\_chassis.html#task\\_EB93895D63664D86ACDE9D13C222A452](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/managing_the_chassis.html#task_EB93895D63664D86ACDE9D13C222A452)

#### QUESTION 157

Which authentication provider requires a custom attribute?

- A. TACACS+
- B. RADIUS
- C. LDAP
- D. local authentication

**Answer:** A

**Explanation:**

[http://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter7.html](http://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter7.html)

**QUESTION 158**

Which two descriptions of the Call Home feature on a Cisco UCS server are true? (Choose two.)

- A. uses Java to generate predefined reports
- B. provides an email-based notification for critical system policies
- C. provides all the information to administrators, who can open a case with one click
- D. delivers alerts to multiple recipients, including Cisco TAC, and generates a case by using Cisco TAC
- E. provides a central repository for storing fault data

**Answer:** BD

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-3-1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_3\\_1/UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_3\\_1\\_chapter\\_39.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-3-1/b_UCSM_GUI_Configuration_Guide_1_3_1/UCSM_GUI_Configuration_Guide_1_3_1_chapter_39.html)

**QUESTION 159**

Which two policies can specify that a port channel be configured between the fabric extender and fabric interconnect? (Choose two.)

- A. chassis or fabric extender discovery policy
- B. rack server discovery policy
- C. rack management connection policy
- D. server inheritance policies
- E. autoconfig policies
- F. chassis connectivity policy

**Answer:** AF

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_1100.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_1100.html)

**QUESTION 160**

From the Cisco UCS Manager GUI, which two configurations can be performed for Cisco UCS C-Series Rack-Mount Servers from the rack server discovery policy? (Choose two.)

- A. whether the server is discovered immediately or after the acknowledgement of the administrator
- B. defines the scrub policy to be used upon discovery
- C. defines the management IP address to be associated to the server upon discovery
- D. reverts a -Series server from Cisco UCS domain mode to standalone mode
- E. defines the Cisco Host Upgrade Utility ISO file for the rack servers connected to the fabric interconnects

**Answer:** AB

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_1100.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_1100.html)

**QUESTION 161**

Which backup option must be performed from the Cisco UCS Manager to allow for a system restore?

- A. database backup
- B. Logical configuration
- C. System configuration
- D. Full state
- E. All configuration

**Answer:** D

**Explanation:**

[http://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter43.html](http://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter43.html)

**QUESTION 162**

You are configuring integration between the Cisco UCS Manager and the VMware vCenter Server Appliance. Which three actions must you perform from the Cisco Configure VMware Integration Wizard? (Choose three.)

- A. Define the virtual machine port profile in the Cisco UCS Manager for virtual machine traffic.
- B. Install and register the Cisco UCS Manager extension as a plug-in in the VMware vCenter.
- C. Install and register the VMware VM Console plug-in in the Cisco UCS Manager.
- D. Apply a port profile (port group) to the virtual machines on the VMware vCenter server.
- E. Apply the Firewall Services Module UCS service profile to Cisco UCS B-Series Blade Server.
- F. Apply a fabric profile to both Cisco Fabric Interconnect uplink ports.

**Answer:** ABD

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/vm\\_fex/vmware/gui/config\\_guide/2-2/b\\_GUI\\_VMware\\_VM-FEX\\_UCSM\\_Configuration\\_Guide\\_2\\_2/b\\_GUI\\_VMware\\_VM-FEX\\_UCSM\\_Configuration\\_Guide\\_2\\_2\\_1\\_chapter\\_0100.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/vm_fex/vmware/gui/config_guide/2-2/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_2_2/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_2_2_1_chapter_0100.html)

**QUESTION 163**

Refer to the exhibit. You are configuring a Cisco UCS Fabric Interconnect.

You associate a blade server to a service profile that has the Testing boot policy.

Which statement describes the result of the configuration?

```
FI-A# scope org
FI-A /org# scope boot-policy Testing
FI-A /org/boot-policy # create san
FI-A /org/boot-policy/san* # set order 1
FI-A /org/boot-policy/san* # create san-image primary
FI-A /org/boot-policy/san/san-image* # set vhba vHBA3
FI-A /org/boot-policy/san/san-image* # create path primary
FI-A /org/boot-policy/san/san-image/path* # set lun 0
FI-A /org/boot-policy/san/san-image/path* # commit-buffer
FI-A /org/boot-policy/san/san-image/path #
```

- A. The iSCSI boot was created for the LAN boot policy.
- B. The blade server fails to boot due to a missing configuration line of set order 0.
- C. The blade server first tries to boot by using vHBA3 across the SAN network.
- D. The blade server first tries to boot from the local storage, and if this fails, it boots from vHBA3.

**Answer:** C

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/2-2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2/configuring\\_server\\_boot.pdf](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/configuring_server_boot.pdf)

#### **QUESTION 164**

Which solution would you most likely use to achieve simultaneous traffic switching in a high-availability configuration in a Cisco UCS with blades?

- A. multiple UCS chassis
- B. two Cisco UCS Fabric Interconnects
- C. redundant UCS blades
- D. additional CPUs to provide additional virtual machines

**Answer:** B

#### **QUESTION 165**

When you migrate a mission-critical application, which method requires the least amount of downtime and data loss?

- A. overnight migration; cold conversion
- B. overnight migration; hot conversion
- C. gradual migration; cold conversion
- D. gradual migration; hot conversion

**Answer:** A

#### **QUESTION 166**

Which two data center technologies would provide Layer 2 resiliency, maximize bandwidth, and ensure lossless packet delivery over a congestion-aware network? (Choose two.)

- A. DCBX
- B. vPC
- C. STP PortFast
- D. FabricPath
- E. FIP

**Answer:** AB

#### **QUESTION 167**

Virtual device contexts enable which three of these activities? (Choose three.)

- A. secure delineation of administrative configurations

- B. separation and distribution of hardware resources
- C. ability to test configurations without impacting production systems
- D. ability to run different operating systems on the same physical hardware
- E. extension of link aggregation to two separate physical switches

**Answer:** ABC

**QUESTION 168**

Which three design criteria should be evaluated in a successful Cisco virtualized data center solution? (Choose three.)

- A. increased resource utilization
- B. application reliability
- C. portability and mobility
- D. architecture

**Answer:** ABC

**QUESTION 169**

Which one of these best describes a Cisco storage solution attribute?

- A. multiprotocol storage networking
- B. Cisco Unified Network Services
- C. virtualization
- D. three-dimensional scalability

**Answer:** A

**QUESTION 170**

You plan to use AAA security services for a Cisco UCS Fabric Interconnect. Which two authentication providers can you use? (Choose two.)

- A. Kerberos
- B. RADIUS
- C. NTLM
- D. Diameter
- E. LDAP

**Answer:** BE

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/2-2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_0100.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/b_UCSM_CLI_Configuration_Guide_2_2_chapter_0100.html)

**QUESTION 171**

Which option lists the features that are needed to install VMware ESXi on a local drive from an image file?

- A. Virtual Media and VMFS

- B. Virtual Media and Virtual KVM
- C. Virtual Boot and VMFS
- D. Virtual KVM and Virtual Boot

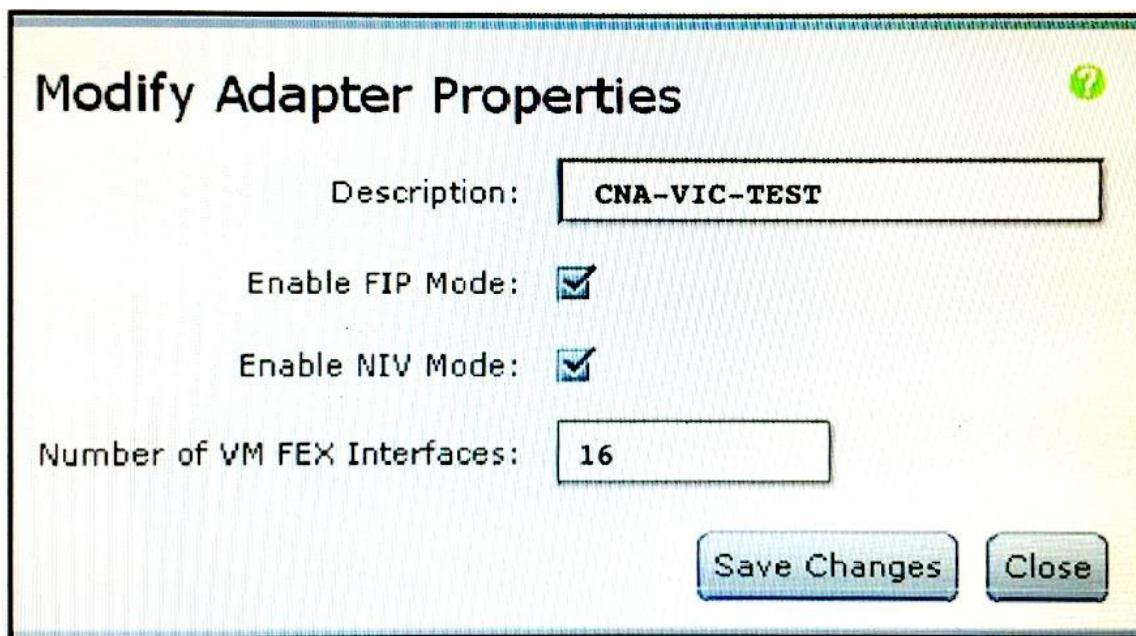
**Answer:** B

**Explanation:**

<http://www.techrepublic.com/blog/smb-technologist/installing-vsphere-on-cisco-ucs-c-series-servers/>

#### QUESTION 172

Refer to the exhibit. From the Cisco Integrated Management Controller GUI, the Cisco Network Assistant VIC adapter properties of a Cisco UCS -Series Server in standalone mode are configured as shown. Which three options are results of the configuration? (Choose three.)



- A. Sixteen dynamic vNICs on the Cisco Network Assistant VIC adapter are provisioned.
- B. A description for the Cisco Network Assistant VIC adapter is assigned.
- C. Sixteen static vNICs on the Cisco Network Assistant VIC adapter are provisioned.
- D. FIP support on the Cisco Network Assistant VIC adapter is enabled.
- E. Sixteen dynamic device aliases for vNICs on the Cisco Network Assistant VIC adapter are provisioned.
- F. NIV mode for the Cisco Network Assistant VIC adapter is disabled.

**Answer:** ABD

**Explanation:**

<http://www.cisco.com/c/en/us/support/docs/switches/nexus-5000-series-switches/117690-configure-vmfex-00.html>

#### QUESTION 173

You must upgrade a Cisco UCS -Series Server. Where must the Cisco UCS bundle image be located before you can begin the upgrade?

- A. the Cisco Integrated Management Controller memory of the server
- B. a USB drive connected to a Cisco UCS Fabric Interconnect
- C. a TFTP server accessible to the Cisco UCS Fabric Interconnect
- D. the flash file system of the fabric interconnect

**Answer:** C

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-1/b\\_GUI\\_Firmware\\_Management\\_21/downloading\\_and\\_managing\\_firmware\\_in\\_cisco\\_ucs\\_manager.html#concept\\_1923688E7A2E46239DCAE363E4A3DE81](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-1/b_GUI_Firmware_Management_21/downloading_and_managing_firmware_in_cisco_ucs_manager.html#concept_1923688E7A2E46239DCAE363E4A3DE81)

#### QUESTION 174

Which two constructs allow for configuration of VLANs on specific uplink ports? (Choose two.)

- A. LAN pin group
- B. adapter policies
- C. vNIC templates
- D. VLAN manager
- E. link profiles
- F. VLAN groups

**Answer:** AC

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-0-2/b\\_GUI\\_Config\\_Guide/GUI\\_Config\\_Guide\\_chapter17.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-0-2/b_GUI_Config_Guide/GUI_Config_Guide_chapter17.html)

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-0-2/b\\_GUI\\_Config\\_Guide/GUI\\_Config\\_Guide\\_chapter14.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-0-2/b_GUI_Config_Guide/GUI_Config_Guide_chapter14.html)

#### QUESTION 175

Which two statements about Cisco VM-FEX dynamic vNIC configuration and provisioning by using the Cisco UCS Manager are true? (Choose two.)

- A. Dynamic vNIC parameters are configured by using SNMP.
- B. Dynamic vNIC parameters must be configured manually before the virtual machine connects to its port group.
- C. Dynamic vNIC parameters are configured dynamically after the assigned virtual machine connects to the port group.
- D. Dynamic vNIC parameters are enabled by using the Fibre Channel Forwarder protocol.
- E. Dynamic vNIC parameters are configured by inheriting the port-group parameters of the associated virtual machines.

**Answer:** CD

**Explanation:**

[http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mkt\\_ops\\_guides/513\\_n1\\_1/n5k\\_ops\\_vmfex.pdf](http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mkt_ops_guides/513_n1_1/n5k_ops_vmfex.pdf)

#### QUESTION 176

Refer to the exhibit. You are configuring an uplink port on FI-A.

Which option describes the result of the configuration?

```
UCS-FI-A# scope fc-uplink
UCS-FI-A /fc-uplink # scope fabric a
UCS-FI-A /fc-uplink/fabric # create fcoeinterface 2 8
UCS-FI-A /fc-uplink/fabric/fcoe-port-channel# commit-buffer
```

- A. Creates an interface for FCoE uplink port 8 on slot 2 of fabric A and commits the transaction
- B. Creates a port channel for FCoE uplink 1 through 8 of fabric A and commits the transaction
- C. Creates an interface for FCoE uplink port 2 on slot 8 of fabric A and Commits the transaction
- D. Creates an interface of Fibre Channel storage port 8 on slot 2 of fabric A and commits the transactions.

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/config/guide/2-1/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_1/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_1\\_chapter\\_0110.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/config/guide/2-1/b_UCSM_CLI_Configuration_Guide_2_1/b_UCSM_CLI_Configuration_Guide_2_1_chapter_0110.html)

#### QUESTION 177

Which two statements describe effects of enabling a Cisco UCS Fabric Interconnect in Ethernet end-host mode? (Choose two.)

- A. MAC address learning is disabled on the uplink ports of the fabric interconnect.
- B. MAC address learning is enabled on the server ports of the fabric interconnect.
- C. Server-to-server communication on the same VLAN is not performed locally via fabric interconnect, but requires an external switch.
- D. By default, unicast traffic received by the fabric uplink port to unknown destination MAC addresses is forwarded to all of the server ports.
- E. MAC address learning is disabled on all of the ports in Ethernet end-host mode.

**Answer:** AB

**Explanation:**

[https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper\\_c11-701962.html](https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper_c11-701962.html)

**MAC address learning occurs only on the server ports;** MAC address movement is fully supported.

Server-to-server Layer 2 traffic is locally switched.

In end-host mode, unknown unicast broadcasts are not flooded, switch mode is required.

Additionally, because there is **no MAC address learning on the uplink ports**, the MAC address table can scale to support as many virtual machines as the number of entries available in the MAC address forwarding table.

#### QUESTION 178

Which parameter can be configured during the initial system setup of Cisco UCS Fabric Interconnect from the CLI, without restoring the configuration from an existing backup?

- A. the server ports, network ports, and storage ports
- B. the reserved VLAN IDs
- C. the default number of dynamic vNICs
- D. standalone mode or cluster mode of the fabric interconnects

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/2-2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_01.html#task\\_40AC6321816C401EBF1666DB32F6E954](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/b_UCSM_CLI_Configuration_Guide_2_2_chapter_01.html#task_40AC6321816C401EBF1666DB32F6E954)

**QUESTION 179**

Which two parameters must be configured on a standalone Cisco UCS C-Series Server to export the technical support data to a remote server? (Choose two)

- A. Specify a remote TFTP server IP address.
- B. Install a certificate
- C. Install an FTP server
- D. Set the source as the UCS server IP address.
- E. Specify the remote relative path and file name.

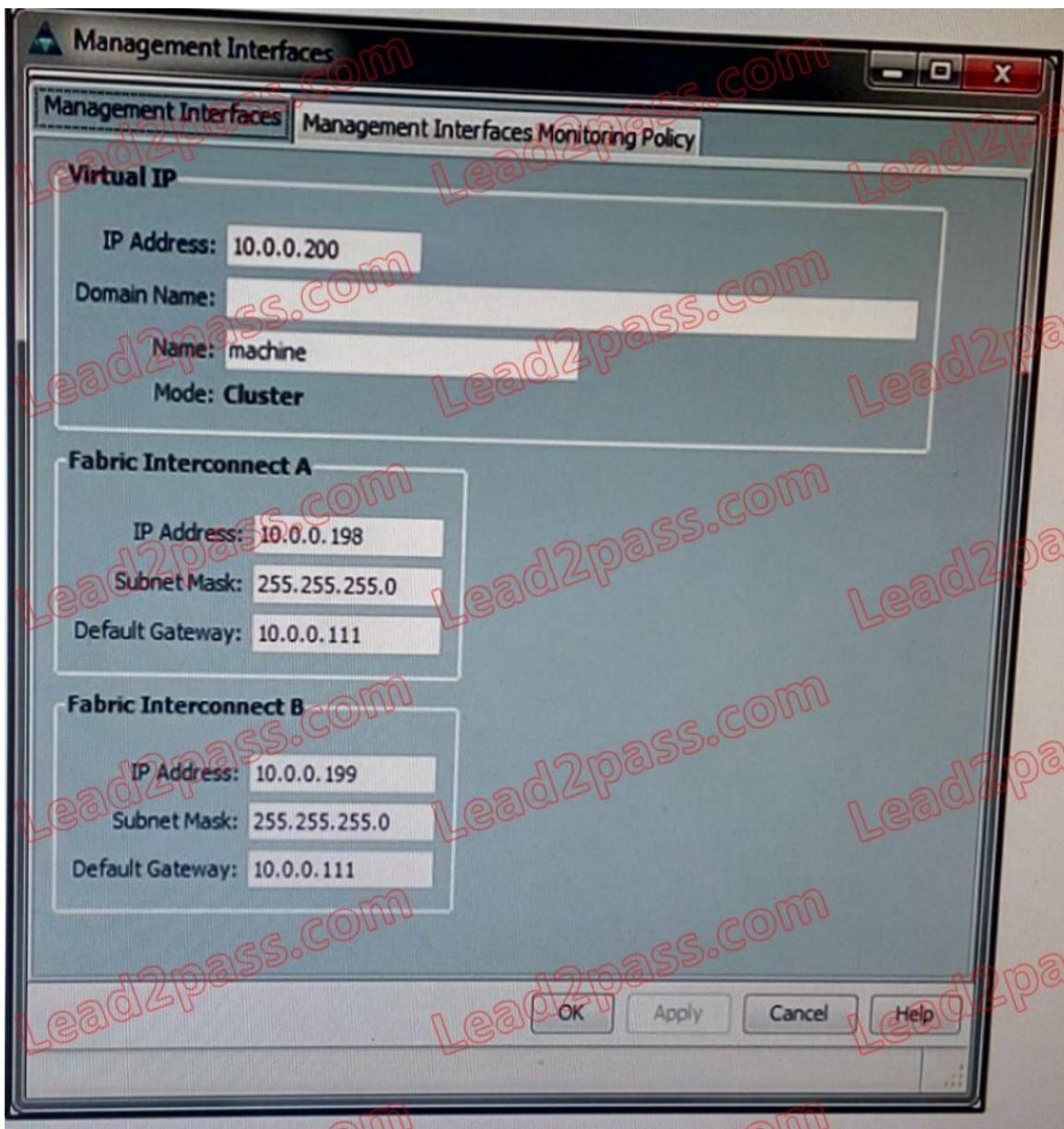
**Answer:** AE

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/sw/gui/config/guide/2-0/b\\_Cisco\\_UCS\\_C-series\\_GUI\\_Configuration\\_Guide\\_201.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/gui/config/guide/2-0/b_Cisco_UCS_C-series_GUI_Configuration_Guide_201.pdf)

**QUESTION 180**

Refer to the exhibit Fabric Interconnect B is in a primary state. Which IP addresses can you use to connect to Fabric Interconnect B?



- A. 10.0.0.198, 10.0.0.199 and 10.0.0.200
- B. 10.0.0.199 only
- C. 10.0.0.199 and 10.0.0.200 only
- D. 10.0.0.200 only

**Answer:** C

**Explanation:**

<https://supportforums.cisco.com/t5/unified-computing-system/ucs-fabric-interconnect-after-failover-primary-subordinate/td-p/2281245>

#### QUESTION 181

A Cisco UCS administrator configuring QoS. Which two options are valid QoS system classes in a Cisco UCS blade system? (Choose two )

- A. drop eligible
- B. transactional data
- C. best effort
- D. scavenger
- E. Fibre Channel

**Answer:** CE

**Explanation:**

General	Events	FSM							
<b>Priority Queuing Configuration</b>									
Priority	Enabled	CoS	Packet Drop	Weight	Weight (%)	MTU	Multicast Optimized		
Platinum	<input type="checkbox"/>	5	<input type="checkbox"/>	10	<input type="button" value="▼"/>	N/A	normal	<input type="checkbox"/>	<input type="checkbox"/>
Gold	<input type="checkbox"/>	4	<input checked="" type="checkbox"/>	9	<input type="button" value="▼"/>	N/A	normal	<input type="checkbox"/>	<input type="checkbox"/>
Silver	<input type="checkbox"/>	2	<input checked="" type="checkbox"/>	8	<input type="button" value="▼"/>	N/A	normal	<input type="checkbox"/>	<input type="checkbox"/>
Bronze	<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	7	<input type="button" value="▼"/>	N/A	normal	<input type="checkbox"/>	<input type="checkbox"/>
Best Effort	<input checked="" type="checkbox"/>	Any	<input checked="" type="checkbox"/>	5	<input type="button" value="▼"/>	50	normal	<input type="checkbox"/>	<input type="checkbox"/>
Fibre Channel	<input checked="" type="checkbox"/>	3	<input type="checkbox"/>	5	<input type="button" value="▼"/>	50	fc	<input type="checkbox"/>	N/A

### QUESTION 182

Which options is the only supported link aggregation protocol on Cisco UCS Manager?

- A. Multipath
- B. PAgP
- C. FLOGI
- D. LACP
- E. FCOE

**Answer:** D

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-manager/116095-configure-ucs-upstream-port-channel-00.html>

UCS port channel configuration is statically set to Link Aggregation Control Protocol (LACP) mode active. This configuration cannot be modified; therefore, all upstream port-channel configurations must adhere to LACP mode active as well. Alternatively, you can configure the upstream switchports for LACP mode passive.

### QUESTION 183

In Cisco UCS Manager you must provide a user with the ability to manage alarms, alarm policies, logs, and Smart Call Home. The solution must minimize the number of permissions assigned to the user. Which role must you assign?

- A. Operations
- B. AAA Administrator
- C. Network Administrator
- D. Administrator

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_UCSM\\_Admin\\_Mgmt\\_Guide\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_UCSM_Admin_Mgmt_Guide_chapter_01.html)

**QUESTION 184**

Which drive combination prevents you from provisioning RAID on Cisco UCS C-Series servers?

- A. SAS HDD and SATA HDD
- B. SAS SSD and SATA SSD
- C. SATA HDD and SATA SSD
- D. SAS HDD only
- E. SATA HDD only

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/sw/raid/configuration/guide/RAID\\_GUIDE.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/raid/configuration/guide/RAID_GUIDE.pdf)

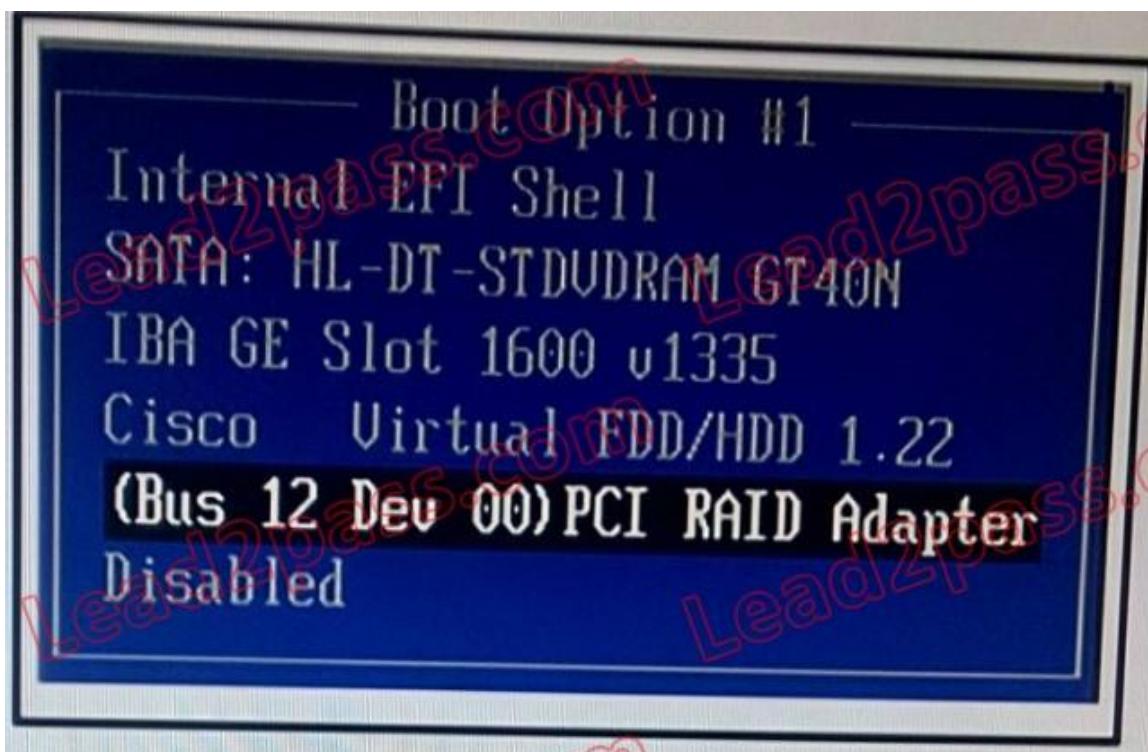
**Guidelines for all Local Disk Configuration Policies**

Before you create a local disk configuration policy, consider the following guidelines:

- No Mixed HDDs and SSDs
- Mixing HDD and SSDs in a single server or RAID configuration is not supported.

**QUESTION 185**

Refer to the exhibit. Which statement about the ESXi installation on a Cisco UCS C-Series server is true?



- A. The ESXi is installed on a local drive and the SATA drive is selected as the first boot option.
- B. The ESXi is installed on a local RAID array and the local RAID group is selected as the first boot option.
- C. During the ESXi installation process, on a local RAID you must select the local RAID group
- D. During the ESXi installation process, you must select the location of the ESXi image file.

**Answer:** B

**QUESTION 186**

Which two AAA protocols are supported by a remote AAA database? (Choose two.)

- A. Microsoft Active Directory
- B. RADIUS
- C. 802.1X
- D. Kerberos
- E. LDAP

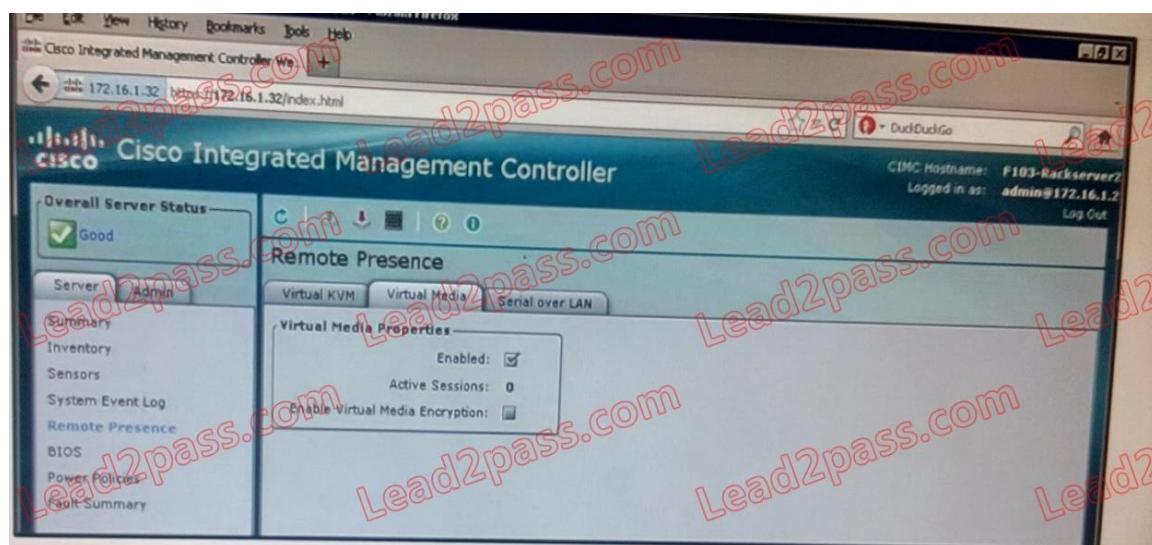
**Answer:** BE

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter7.html#concept\\_FA777771F5D4F14A82A479CED0D4AF4](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter7.html#concept_FA777771F5D4F14A82A479CED0D4AF4)

**QUESTION 187**

Refer to the exhibit. Which two media types can you mount from the KVM console? (Choose two.)



- A. ISO
- B. VHD
- C. IMG
- D. VMDK
- E. VHDx

**Answer:** AD

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter41.html#reference\\_746B81D3840F440283B9596C1111E184](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter41.html#reference_746B81D3840F440283B9596C1111E184)  
"Opens the Open dialog box that lets you navigate to the ISO or IMG file you want to the server to access."

**QUESTION 188**

You have a Cisco UCS server connected to Cisco Fabric Interconnects.  
Which two options are characteristics of a virtual machine that is deployed by using VM-FEX in high-performance mode in this environment? (Choose two.)

- A. The virtual machine connects to a Cisco VIF on the external switch by using Cisco VN-Link in hardware, bypassing the hypervisor.
- B. The dynamic vNIC can connect redundantly by using hardware-based failover to the Cisco UCS Fabric interconnect cluster.
- C. Dynamic vNICs inherit parameters from static vNICs
- D. The virtual machine can share the same dynamic vNIC with another virtual machine in VM-FEX high-performance mode.
- E. The virtual machine deployed in VM-FEX high-performance mode runs on the host by using the default BIOS policy that is available in the Cisco UCS Manager.

**Answer:** AB**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/vm\\_fex/vmware/gui/config\\_guide/b\\_GUI\\_VMware\\_VM-FEX\\_UCSM\\_Configuration\\_Guide\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/vm_fex/vmware/gui/config_guide/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_chapter_01.html)

In high-performance mode, traffic to and from a virtual machine (VM) bypasses the DVS and hypervisor. Traffic travels directly between VMs and the virtual interface card (VIC) adapter.

The benefits of high-performance mode are as follows:

- Increases I/O performance and throughput.
- Decreases I/O latency.
- Improves CPU utilization for virtualized I/O-intensive applications.

You must modify or create several policies in order for VM-FEX for VMware to function optimally:

- VMwarePassThrough Ethernet Adapter Policy (high-performance mode only)
- Dynamic vNIC Connection Policies
- **BIOS Policy (high-performance mode only)**

- VM Lifecycle Policy

Dynamic vNICs are always protected in Cisco UCS, but this field allows you to select a preferred fabric, if any. You can choose one of the following:

- Protected Pref A—Cisco UCS attempts to use fabric A but fails over to fabric B if necessary
- Protected Pref B—Cisco UCS attempts to use fabric B but fails over to fabric A if necessary
- Protected—Cisco UCS uses whichever fabric is available

**QUESTION 189**

Drag and Drop Question

Drag and drop the scripting tools on the left to the correct definitions on the right.

Cisco UCS Python SDK	is a module for a widely used, general-purpose, high-level programming language that helps automate and manage configurations within Cisco UCS Manager, including service profiles, policies, pools, equipment, and network and storage management
Cisco UCS Power Tool Suite	provides complete support for Cisco UCS Manager XML API calls, is installed as a VM, and can be used to import and replicate existing Cisco UCS Manager and physical inventory
Cisco UCS Platform Emulator	is a set of PowerShell modules for Cisco UCS Manager, Cisco IMC and Cisco UCS Central that aids in configuration and management of Cisco UCS domains and solutions
Cisco UCS Automation Tool	converts Cisco UCS Manager actions into automation scripts and captures Cisco UCS Manager actions in XML to use in any programming language that has variables

**Answer:**

Cisco UCS Python SDK
Cisco UCS Platform Emulator
Cisco UCS Power Tool Suite
Cisco UCS Automation Tool

**QUESTION 190**

Which configuration must be made to run the fabric interconnects as a vPC pair?

- A. The Ethernet mode must be set to switching.
- B. The Layer 1 and Layer 2 cables must be configured as a vpc peer-link
- C. The fabric interconnects cannot run as a VPC pair
- D. The ethernet mode must be set to end host

**Answer: C**
**Explanation:**

<https://supportforums.cisco.com/t5/unified-computing-system/benefits-to-vpc-on-6200s-fabric-interconnects-in-ucs/td-p/2086588>

**QUESTION 191**

You have been tasked with performing a backup through Cisco UCS Manager that can be used to restore the system during disaster recovery. Which type of backup must you perform?

- A. System configuration
- B. Full state
- C. All configuration
- D. Logical configuration

**Answer:** B**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_01\\_001.html#task\\_C1FFA04FACF24B818316B802FC11EB19](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_01_001.html#task_C1FFA04FACF24B818316B802FC11EB19)

The information saved in the backup configuration file. This can be one of the following:

- **Full state**—A binary file that includes a snapshot of the entire system. You can use the file generated from this backup to restore the system during disaster recovery. This file can restore or rebuild the configuration on the original fabric interconnect, or recreate the configuration on a different fabric interconnect. You cannot use this file for an import.

**Note** You can only use a full state backup file to restore a system that is running the same version as the system from which the backup file was exported.

**QUESTION 192**

Which statement about the Cisco Integrated Management Controller configuration utility for Cisco UCS C-Series servers is true?

- A. To connect to the Cisco Integrated Management Controller GUI, you must use a web browser that supports SSL3 and HTLM5.
- B. To connect to the Cisco Integrated Management Controller GUI, you must use a web browser that supports HTTP and Microsoft Silverlight.
- C. While in BIOS, you can configure the Cisco Integrated Management Controller to use a static IP address only.
- D. While in BIOS, you can configure the Cisco Integrated Management Controller to use a static IP address or an IP address from DHCP
- E. When the IP address is configured in BIOS, you can point a Web browser to the configured IP address to open the Cisco Integrated Management Controller GUI.

**Answer:** D**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-c200-m1-high-density-rack-mount-server/111455-setup-cimc-c-series.html>

**QUESTION 193**

A Customer wants to know more about managing standalone Cisco UCS C-Series systems through the Cisco Integrated Management Controller. The customer asks which management protocols are supported. Which three protocols must you include in your response? (Choose three)

- A. SNMPv3
- B. SNMPv2
- C. SMASH CLP
- D. SoL
- E. Virtual KVM
- F. IPMv2

**Answer:** ABF

**Explanation:**

<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/at-a-glance-c45-737177.pdf>

The IMC supports industry-standard protocols, including

Redfish version 1.01,

Intelligent Platform Monitoring Interface Version 2 (**IPMI v2**), and

Simple Network Management Protocol versions 2 and 3 (**SNMP v2 and v3**).

It also provides an open Extensible Markup Language (XML) API and a command-line interface (CLI).

#### **QUESTION 194**

When performing a backup through Cisco UCS Manager, which backup type must you use to backup locally authenticated users?

- A. System configuration
- B. All configuration
- C. Full State
- D. Logical Configuration

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_100111.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_100111.pdf)

System configuration - An XML file that includes all system configuration settings such as usernames, roles, and locales. You can use the file generated from this backup to import these configuration settings to the original fabric interconnect or to a different fabric interconnect. You cannot use this file for a system restore.

#### **QUESTION 195**

Which option describes the Network Security feature of Cisco integrated Management Controller?

- A. User-configured ACLs that deny devices access to the Cisco IMC
- B. 802.1x support which permits the Cisco IMC access to the port security network
- C. A feature that locks users out of the Cisco IMC after a specified number of unsuccessful log in attempts
- D. A list that specifies the devices allowed to access the Cisco IMC

**Answer:** C

#### **QUESTION 196**

You plan to configure a SAN boot from the iSCSI storage of a Cisco UCS system. Which statement about an iSCSI vNIC is true?

- A. All iSCSI data traffic is carried over the vNIC after the boot.
- B. An iSCSI vNIC is an iBFT configuration placeholder for the iSCSI boot configuration.  
The vNIC exists only during the startup phase.
- C. Only iSCSI control data traffic is carried over the vNIC after the boot.
- D. An iSCSI vNIC is an iBFT configuration placeholder for the iSCSI boot process.  
The vNIC exists during and after the startup phase.

**Answer:** D

**Explanation:**

<https://overlaid.net/2014/09/05/ucs-boot-from-iscsi/>  
<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-manager/116003-iscsi-ucs-config-00.html>  
<https://supportforums.cisco.com/t5/unified-computing-system/iscsi-vnic-a-requirement/td-p/1801389>  
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_11101.html#concept\\_FBB613095A774844ACA4DD7377EE102D](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_11101.html#concept_FBB613095A774844ACA4DD7377EE102D)

### QUESTION 197

Which two statements are true concerning authorization when using RBAC in a Cisco Unified Computing System? (Choose two.)

- A. A locale without any organizations, allows unrestricted access to system resources in all organizations.
- B. When a user has both local and remote accounts, the roles defined in the remote user account override those in the local user account.
- C. A role contains a set of privileges which define the operations that a user is allowed to take.
- D. Customized roles can be configured on and downloaded from remote AAA servers.
- E. The logical resources, pools and policies, are grouped into roles.

**Answer:** AC

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-4/UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_4\\_chapter9.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-4/UCSM_GUI_Configuration_Guide_1_4_chapter9.html)

User roles contain one or more privileges that define the operations allowed for the user who is assigned the role.

One exception to this rule is a locale without any organizations, which gives unrestricted access to system resources in all organizations.

### QUESTION 198

Which actions must be taken in order to connect a NetApp FCoE storage system to a Cisco UCS system?

- A. Ensure that the Fibre Channel switching mode is set to Switching, and use the Fibre Channel ports on the Fabric Interconnects.
- B. Ensure that the Fibre Channel switching mode is set to Switching, and reconfigure the port to a FCoE Storage port.
- C. Ensure that the Fibre Channel switching mode is set to End-Host, and use the Ethernet ports on the Fabric interconnects.
- D. Ensure that the Fibre Channel switching mode is set to Switching, and use the Ethernet ports on the Fabric Interconnects.

**Answer:** B

**Explanation:**

<http://www.renar.net/?p=148&lang=en>

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/release/notes/UCS\\_28313.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/release/notes/UCS_28313.html)

#### **QUESTION 199**

Which two protocols are accepted by the Cisco UCS Manager XML API? (Choose two.)

- A. SMASH
- B. HTTPS
- C. HTTP
- D. XSMTP
- E. SNMP

**Answer:** BC

**Explanation:**

<https://www.youtube.com/watch?v=lNtEpEnXLUo> - Communicates over HTTP/HTTPS

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/api/b\\_ucs\\_api\\_book/b\\_ucs\\_api\\_book\\_chapter\\_00.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/api/b_ucs_api_book/b_ucs_api_book_chapter_00.html)

The API accepts XML documents through HTTP or HTTPS

#### **QUESTION 200**

An Cisco UCS Administrator is planning to complete a firmware upgrade using Auto install.

Which two options are prerequisites to run Auto Install? (Choose two.)

- A. minor fault fixing
- B. configuration backup
- C. service profiles unmounted from the blade servers
- D. time synchronization
- E. fault suppression started on the blade servers

**Answer:** BD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-2/b\\_GUI\\_Firmware\\_Management\\_22/b\\_GUI\\_Firmware\\_Management\\_22\\_chapter\\_0101.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-2/b_GUI_Firmware_Management_22/b_GUI_Firmware_Management_22_chapter_0101.pdf)

#### **QUESTION 201**

Which two prerequisites are required to configure a SAN boot from the FCoE storage of a Cisco UCS system? (Choose two.)

- A. The Cisco UCS domain must be able to communicate with the SAN storage device that hosts the operating system image.
- B. A boot policy must be created that contains a local disk, and the LVM must be configured correctly.
- C. There must be iVR-enabled FCoE proxying between the Cisco UCS domain and the SAN storage device that hosts the operating system image.
- D. There must be a boot target LUN on the device where the operating system image is located.
- E. There must be a boot target RAID on the device where the operating system image is located.

**Answer:** AD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1\\_chapter\\_011111.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-1/b_UCSM_GUI_Configuration_Guide_2_1/b_UCSM_GUI_Configuration_Guide_2_1_chapter_011111.pdf)

**QUESTION 202**

You need to configure service profiles for a Cisco UCS system. What is an advantage of using the Export wizard to create the service profiles instead of using the Simple wizard?

- A. Only the Expert wizard supports Fabric Interconnect expansion module ports to be used in 10-Gigabit uplink mode or Fibre Channel mode.
- B. Both wizards support the same features, but the Expert wizard provides no configuration options for the features.
- C. The Expert wizard supports stateless computing and mobile service profiles.
- D. The Expert wizard supports all blade generations, whereas the Simple wizard supports only M1 blades, M2 blades, and Cisco VIC cards.

**Answer: C****Explanation:**

<https://www.petri.com/cisco-ucs-creating-service-profile-templates>  
[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper\\_c11-697337.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper_c11-697337.html)

**QUESTION 203**

You have a Cisco UCS system. You need to create VSAN 100 on a Cisco Nexus Series switch and to enable switch port fc 1/10 as a member for the VLAN.

Which command set should you use?

- A. SITE-A-MDS-Fabric-A# vsan database  
SITE-A-MDS-Fabric-A (vsan-db)# vsan 100 interface fc 1/10  
SITE-A-MDS-Fabric-A (vsan-db)# vsan database commit  
SITE-A-MDS-Fabric-A (vsan-db)# exit
- B. SITE-A-MDS-Fabric-A# configure terminal  
SITE-A-MDS-Fabric-A (config)# vsan database  
SITE-A-MDS-Fabric-A (config-vsian-db)# vsan 100 interface fc 1/10  
SITE-A-MDS-Fabric-A (config-vsian-db)# exit
- C. SITE-A-MDS-Fabric-A# configure terminal  
SITE-A-MDS-Fabric-A (config)# vsan database  
SITE-A-MDS-Fabric-A (config-vsian-db)# vsan 100 interface fc 1/10  
SITE-A-MDS-Fabric-A (config-vsian-db)# vsan database commit
- D. SITE-A-MDS-Fabric-A# configure terminal  
SITE-A-MDS-Fabric-A (config)# vsan database  
SITE-A-MDS-Fabric-A (config-vsian-db)# vsan 100 interface fc 1/10  
SITE-A-MDS-Fabric-A (config-vsian-db)# vsan database commit  
SITE-A-MDS-Fabric-A (config-vsian-db)# exit

**Answer: C****Explanation:**

<https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli/CLICConfigurationGuide/vsan.html#pgfid-1159415>

**QUESTION 204**

You need to implement a Cisco UCS system at a customer site.  
 Which adapters and operating systems have preprovisioned adapter policies?

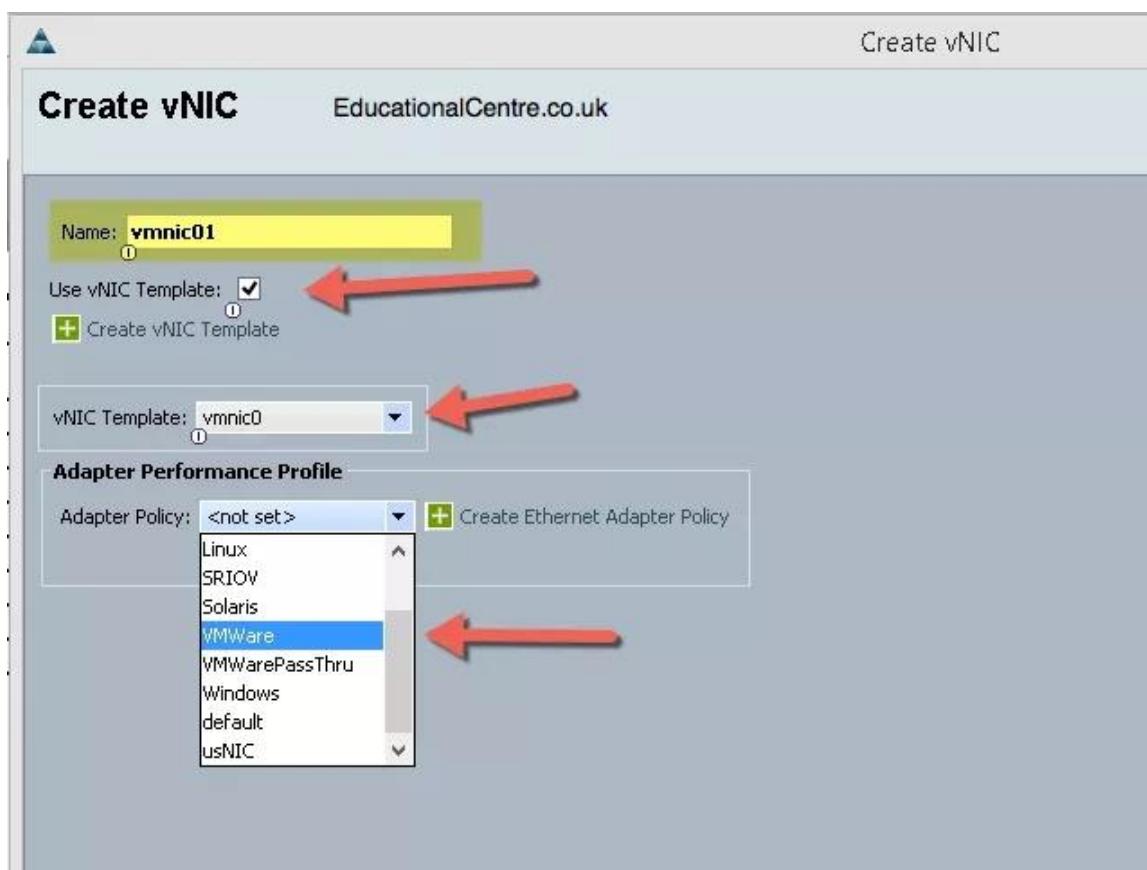
- A. Ethernet vNICs and Windows, OS X Server, and Oracle Solaris operating systems
- B. Fibre Channel vNICs and Windows, FreeBSD, and Linux operating systems
- C. Ethernet vNICs and Windows, VMware, and Linux operating systems
- D. Fibre Channel vNICs and Windows, Oracle Solaris, and Linux operating systems

**Answer:** A

**Explanation:**

<http://www.educationalcentre.co.uk/deploy-a-cisco-ucs-system-part-2-from-scratch-for-vmware-esxi/>

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_010101.html#d71329e928a1635](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010101.html#d71329e928a1635)



Fibre Channel are not vNICs. They are vHBAs.

Ethernet are vNICs.

OSX Server is not a predefined policy.

#### QUESTION 205

You need to automate the management of servers, networks, and storage on a Cisco UCS system, by using PowerShell. Which tool should you use?

- A. Cisco UCS Platform Emulator

- B. Cisco UCS Python SDK
- C. Cisco UCS Automation Tool
- D. Cisco UCS PowerTool Suite

**Answer:** D

**Explanation:**

[http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/microsoft-applications-on-ucs/brochure\\_c02-705764.html](http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/microsoft-applications-on-ucs/brochure_c02-705764.html)

#### **QUESTION 206**

Which two Cisco UCS firmware are contained in the Cisco UCS Infrastructure software bundle?  
(Choose two.)

- A. Cisco I/O module firmware
- B. Cisco IMC
- C. Cisco UCS BIOS
- D. Cisco UCS fabric interconnects firmware
- E. Cisco UCS adapters

**Answer:** AD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/3-1/b\\_UCSM\\_GUI\\_Firmware\\_Management\\_Guide\\_3\\_1/b\\_UCSM\\_GUI\\_Firmware\\_Management\\_Guide\\_3\\_1\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/3-1/b_UCSM_GUI_Firmware_Management_Guide_3_1/b_UCSM_GUI_Firmware_Management_Guide_3_1_chapter_01.html)

"A" BUNDLE

Infrastructure software bundle—This bundle is also called the A bundle. It contains the firmware images that the fabric interconnects, IO Modules, and Cisco UCS Manager require to function.

"B" BUNDLE

B-Series server software bundle—Also called the B bundle, this bundle contains the firmware images that the B-Series blade servers require to function, such as adapter, BIOS, CMC, and board controller firmware. Release Bundle Contents for Cisco UCS Manager, Release 3.1 provides details about the contents of the B-Series server software bundle.

#### **QUESTION 207**

A server discovery policy is defined in Cisco UCS Manager.

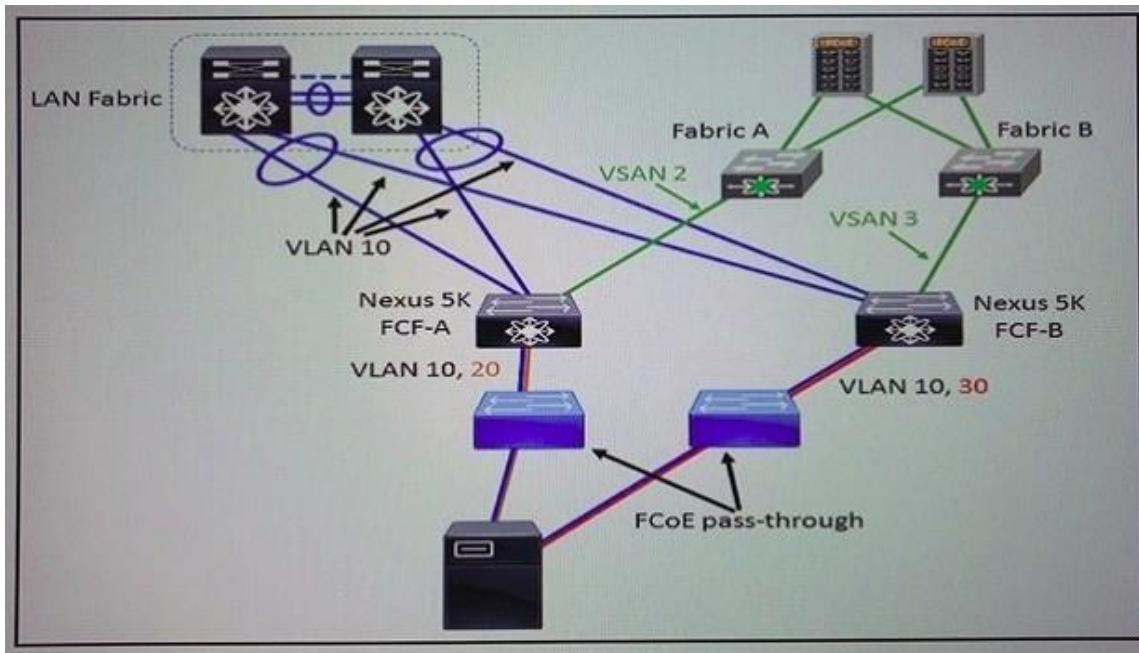
Which two actions are initiated by the policy when a new server starts?

- A. The qualification in the server discovery policy is executed against the server.
- B. The scrub policy is applied to the server, if configured.
- C. A service profile is created for the server with the identity burned into the server at time of manufacture.
- D. The inventory of the server is analyzed.
- E. The server is assigned to the selected organization, if configured.

**Answer:** BE

#### **QUESTION 208**

Refer to the exhibit. Which type of FCoE topology is displayed?



- A. direct-attach
- B. remote-attach
- C. vPC
- D. FCoE with Cisco 2232 Fabric Extenders

**Answer:** B

**Explanation:**

[https://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/white\\_paper\\_c11-560403.html](https://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/white_paper_c11-560403.html)

#### QUESTION 209

Which two statements about the service profile configuration options in the Cisco UCS Manager GUI are true? (Choose two.)

- A. It can be generated automatically from the service profile template.
- B. It can be derived from the chassis discovery policy.
- C. It can be derived from the initial template or the updating template.
- D. it can be configured by cloning a virtual machine profile.
- E. It can be configured by using the chassis connectivity policy.

**Answer:** AC

**Explanation:**

Ambiguous terminology. Service profile templates are mentioned twice. Cloning is valid, but what is a "virtual machine profile". Unknown why "chassis discovery policy" and "chassis connectivity policy" are thrown into the mix. Neither seems to apply here.

#### QUESTION 210

Which consideration must be made while performing backup operations within the Cisco UCS Manager?

- A. Each backup destination can have multiple backup operations.
- B. Backups can be scheduled ahead of time.
- C. A user can perform incremental backups of a system configuration.
- D. Rerunning an existing backup operation overwrites the existing backup file.

**Answer:** D

### QUESTION 211

You need to identify which DCB standard provides those functionalities negotiation capabilities for features, the distribution of parameters from one node to another, and logical link up and down signaling for both Ethernet and fibre Channel interfaces. Which DCB standard should you identify?

- A. ETS
- B. PFC
- C. DCBX
- D. QCN

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/ieee-802-1-data-center-bridging/at\\_a\\_glance\\_c45-460907.pdf](https://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/ieee-802-1-data-center-bridging/at_a_glance_c45-460907.pdf)

<https://www.cisco.com/c/dam/en/us/products/collateral/storage-networking/mds-9700-series-multilayer-directors/guide-c07-733622.pdf>

### QUESTION 212

Which two protocols does the Cisco Integrated Management Controller support for managing standalone Cisco UCS C-Series servers? (Choose two.)

- A. SMASH CLP
- B. IPMIv2
- C. SoL
- D. SNMPv3
- E. Virtual KVM

**Answer:** BD

**Explanation:**

<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/at-a-glance-c45-737177.pdf>

The IMC supports industry-standard protocols, including

Redfish version 1.01,

Intelligent Platform Monitoring Interface Version 2 (**IPMI v2**), and

Simple Network Management Protocol versions 2 and 3 (**SNMP v2 and v3**).

It also provides an open Extensible Markup Language (XML) API and a command-line interface (CLI).

### QUESTION 213

You are configuring service profiles for a Cisco UCS system. What are three types of logical resource pools? (Choose three.)

- A. UUID

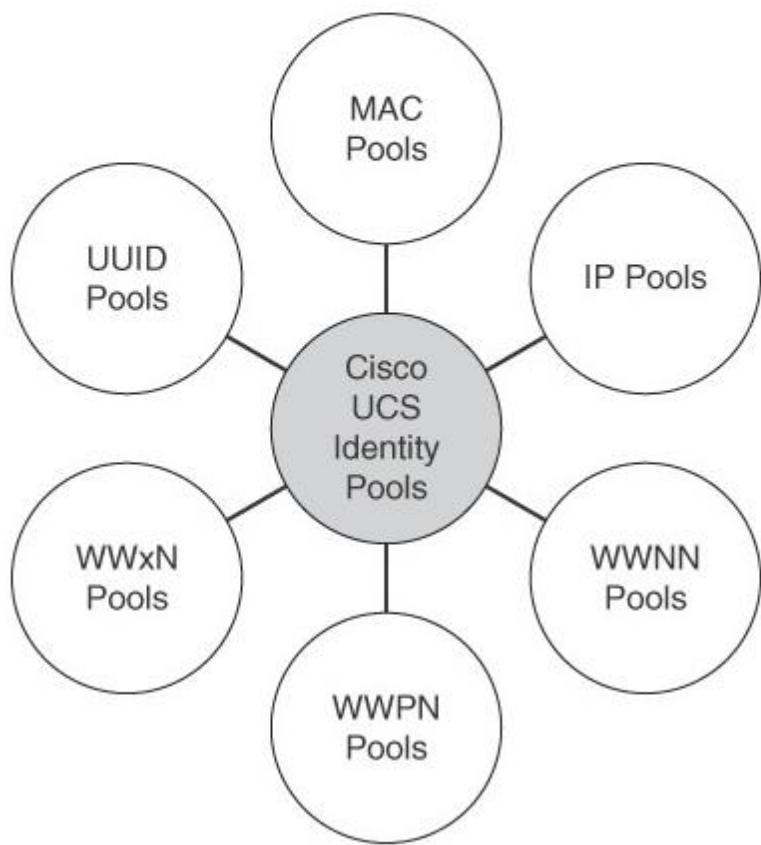
- B. MAC
- C. VLAN
- D. WWN
- E. VXLAN
- F. FC

**Answer:** ABD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_010.html#concept\\_15A39BD62C8F4E4D9F6759406ECC2FA8](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010.html#concept_15A39BD62C8F4E4D9F6759406ECC2FA8)  
<https://www.safaribooksonline.com/library/view/ccna-data-center/9780133860429/ch15lev2sec3.html>

The Cisco UCS can consist of multiple identity pools for all types of server identity requirements. A service profile or template consumes the relevant identities from a pool, appropriately. These identity pools are logical resource pools. Figure 15-10 shows the various Cisco UCS identity pools that can be created for consumption by Cisco UCS service profiles.



**Figure 15-10 Cisco UCS Identity Pool Types**

#### QUESTION 214

In order to manually boot from the FlexFlash SD card, which boot option must be in the boot policy used in the service profile?

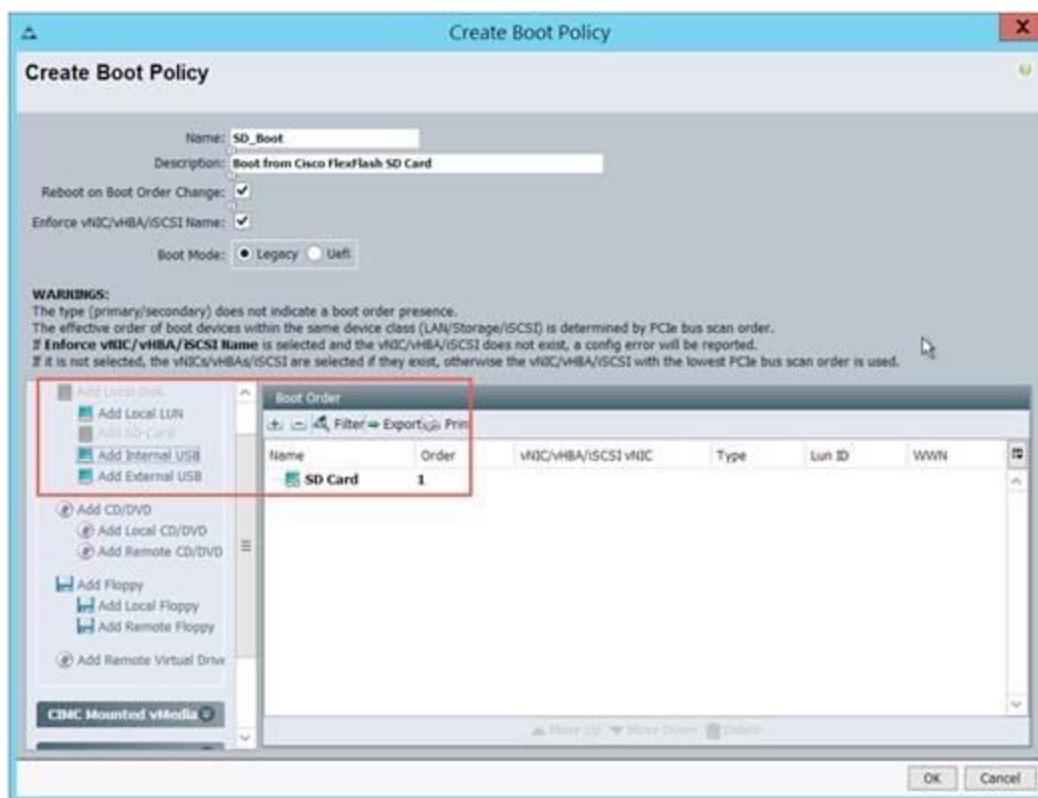
- A. FlexFlash state
- B. remote virtual drive
- C. remote boot
- D. SD card

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/whitepaper-c11-734876.html#\\_Toc459341669](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/whitepaper-c11-734876.html#_Toc459341669)

To boot from an SD card, the SD card must be present in the boot policy used in the service profile...



### QUESTION 215

Which two items represent the features of Call Home on the Cisco Unified Computing System? (Choose two.)

- A. syslog
- B. send fault details to Cisco TAC
- C. SNMP trap receiver
- D. send email alerts to administrators
- E. central repository of normalized fault data

**Answer:** BD

**QUESTION 216**

In an environment where multiple LDAP servers are used for user authentication, which Cisco UCS Manager feature must be configured?

- A. LDAP Locale
- B. Organization
- C. LDAP Provider Group
- D. Authentication Domain

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/sample\\_configurations/UCSM\\_1\\_4\\_LDAP\\_with\\_AD/b\\_Sample\\_Configuration\\_LDAP\\_with\\_AD/b\\_Sample\\_Configuration\\_LDAP\\_with\\_AD\\_chapter\\_010.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/sample_configurations/UCSM_1_4_LDAP_with_AD/b_Sample_Configuration_LDAP_with_AD/b_Sample_Configuration_LDAP_with_AD_chapter_010.html)

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_010.html#task\\_4331F325E9F249C5BEBD25E0C465309C](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_010.html#task_4331F325E9F249C5BEBD25E0C465309C)

For implementations involving multiple LDAP databases, configure an LDAP provider group.

**QUESTION 217**

You need to upgrade the firmware on 15 Cisco UCS C-Series Rack Servers. Ten of the servers are integrated in a Cisco UCS cluster, and the other five servers are used in standalone mode. The Cisco UCS C-Series Rack-Mount Server Software Bundle is available. Which set of statements about the upgrade process is true?

- A. You cannot upgrade the firmware on the servers in standalone mode. You must cluster the servers first over LAN or via cluster interfaces. After the firmware upgrade, you can revert the five servers to standalone mode.
- B. You cannot use the Cisco UCS C-Series Rack-Mount Server Software Bundle with Cisco UCS C-Series Servers in standalone mode. You must download and use the Cisco UCS C-Series Rack-Mount Standalone Server Software package.
- C. First, you must integrate the standalone servers into the Cisco UCS system. Then, you can upgrade the firmware on all 15 servers from Cisco UCS Manager. Finally, you can revert the five servers to standalone mode.
- D. You can upgrade the firmware on all of the Cisco UCS-C Series Rack Servers by using the Cisco UCS C-Series Rack-Mount Standalone Server Software. You can upgrade the 10 servers that are integrated in a Cisco UCS cluster in Cisco UCS Manager, and you can upgrade the five standalone servers one by one.

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c-series\\_integration/ucsm3-1/b\\_C-Series-Integration\\_UCSM3-1/b\\_C-Series-Integration\\_UCSM3-1\\_chapter\\_0100.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c-series_integration/ucsm3-1/b_C-Series-Integration_UCSM3-1/b_C-Series-Integration_UCSM3-1_chapter_0100.html)

**QUESTION 218**

Which two features in Cisco UCS Manager are required to configure Uplink Ethernet ports?  
(Choose two.)

- A. vNIC templates
- B. LAN Pin Groups

- C. VLAN Groups
- D. adapter policies
- E. link profiles

**Answer:** AB

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-6120xp-20-port-fabric-interconnect/110267-ucs-uplink-ethernet-connection.html#configUplinkEthernet>

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/using\\_the\\_lan\\_uplinks\\_manager.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/using_the_lan_uplinks_manager.html)

### QUESTION 219

You need to enable Cisco UCS Manager to support out-of-band IPv4 address access to the Cisco UCS KVM Direct launch page from a web browser. What should you enable?

- A. SMASH CLP
- B. CIM XML
- C. SNMP
- D. CIMC Web Service

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_01\\_10.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_01_10.html)

-Cisco UCS Manager supports out-of-band IPv4 address access to the Cisco UCS KVM Direct launch page from a web browser. To provide this access, you must enable the following service: CIMC Web Service

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/3-0/b\\_UCSM\\_GUI\\_User\\_Guide\\_3\\_0/b\\_UCSM\\_GUI\\_User\\_Guide\\_3\\_0\\_chapter\\_0100111.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/3-0/b_UCSM_GUI_User_Guide_3_0/b_UCSM_GUI_User_Guide_3_0_chapter_0100111.pdf)

### QUESTION 220

After an admin configures a service profile template and associates it to the blade, the admin notices that changes to the template are not automatically pushed to profiles that are inheriting that template. The service profile template and vNIC templates are set to "initial". Which two actions resolve this issue? (Choose two.)

- A. Delete the service profile template and re-create it as an updating template.
- B. Change the type of the service profile template from "initial" to "updating".
- C. Delete the vNIC template and re-create it as an updating template.
- D. Change the type of the vNIC template from "initial" to "updating".
- E. Delete and recreate all templates.

**Answer:** AD

### QUESTION 221

When a configuration change requires a reboot, which policy specifies how Cisco UCS manager should proceed?

- A. host firmware policy

- B. local disk policy
- C. maintenance policy
- D. boot policy

**Answer:** C

**Explanation:**

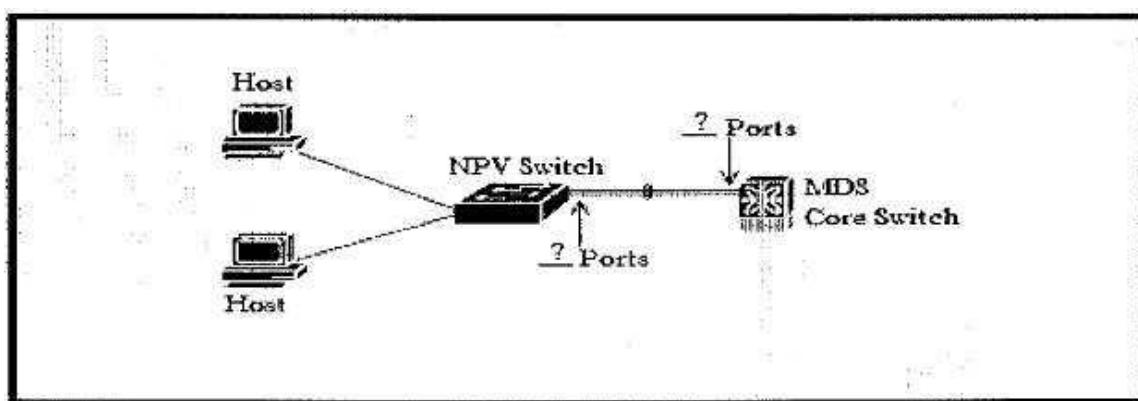
Use the Maintenance Policy to specify how Cisco UCS Manager should proceed for configuration changes that will have a service impact or require a server reboot. Values for the Maintenance Policy can be "immediate", "user-ack", or "timer automatic". The best practice is to not use the "default" policy, and instead to create and use Maintenance Policies for either "user-ack" or "timer automatic", and to always have these as elements of the Service Profile or Service Profile Template definition.

[http://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper\\_c11-697337.html](http://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper_c11-697337.html)

### QUESTION 222

Refer to the exhibit. An engineer is implementing a new network design that includes a port channel to connect an MDS core switch and an NPV switch.

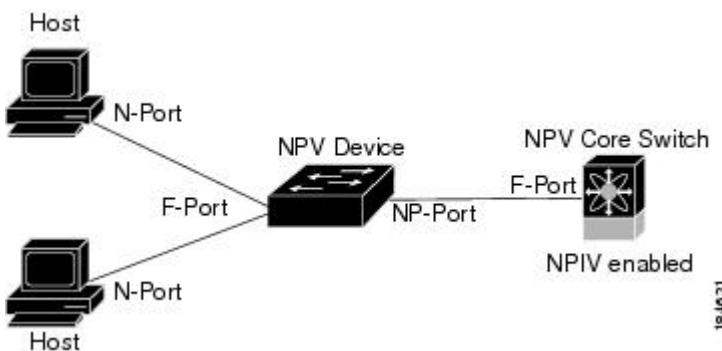
Which two Fibre Channel port types must be used to create the Fibre Channel port channel?  
(Choose two.)



- A. F Port
- B. NP Port
- C. NL Port
- D. E Port
- E. N Port
- F. TL Port

**Answer:** AB

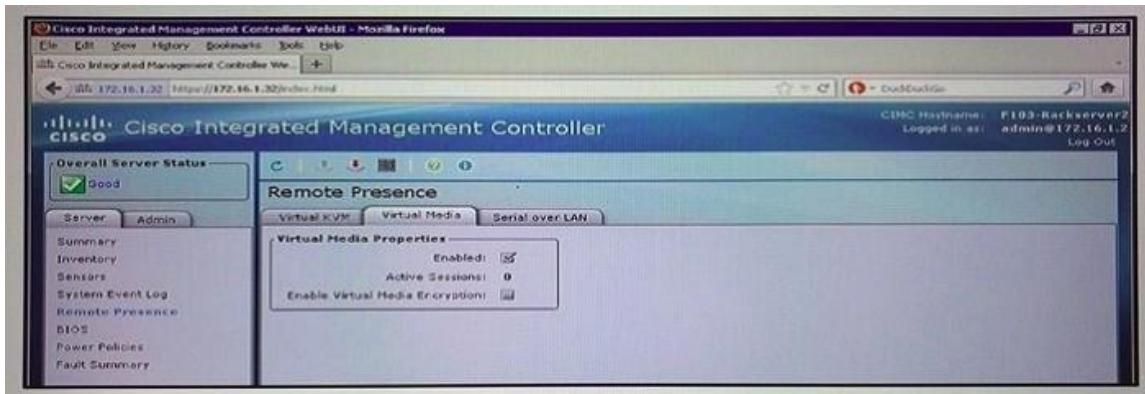
**Explanation:**



[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/4\\_1/configuration/guides/cli\\_4\\_1/clibook/npv.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/4_1/configuration/guides/cli_4_1/clibook/npv.html)

### QUESTION 223

Refer to the exhibit. Which two media types can you mount from the KVM console? (Choose two.)



- A. VHD
- B. ISO
- C. VMDK
- D. IMG
- E. VHDx

**Answer:** BD

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter41.html#reference\\_746B81D3840F440283B9596C1111E184](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter41.html#reference_746B81D3840F440283B9596C1111E184)  
 "Opens the Open dialog box that lets you navigate to the ISO or IMG file you want to the server to access."

### QUESTION 224

You plan to configure a Fibre Channel port channel on a Cisco UCS system.  
 What is the maximum number of port channels and ports per port channel on a Cisco UCS 6200 Series device?

- A. four Fibre Channel port channels and 24 Fibre Channel ports per port channel

- B. eight Fibre Channel port channels and 24 Fibre Channel ports per port channel
- C. eight Fibre Channel port channels and 16 Fibre Channel ports per port channel
- D. four Fibre Channel port channels and 16 Fibre Channel ports per port channel

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/configuration\\_limits/2-0/b\\_UCS\\_Configuration\\_Limits\\_2\\_0.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/configuration_limits/2-0/b_UCS_Configuration_Limits_2_0.html)

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/Reference-Docs/Configuration-Limits/3-1/b\\_UCS\\_Configuration\\_Limits\\_3\\_1.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/Reference-Docs/Configuration-Limits/3-1/b_UCS_Configuration_Limits_3_1.html)

### QUESTION 225

Which set of statements about the deployment options for Cisco UCS Central Software is true?

- A. Cisco UCS Central Software can be installed in a physical or a hypervisor environment. Only VMware and KVM hypervisor environments are supported.
- B. Cisco UCS Central Software can be installed in a physical or a hypervisor environment VMware, Microsoft Hyper-V, and KVM hypervisor environments are supported.
- C. Cisco UCS Central Software can be installed only in a physical environment, due to extreme I/O and networking needs.
- D. Cisco UCS Central Software can be installed only in a VMware and Microsoft Hyper-V virtual environment.

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-central/install-upgrade/1-3/b\\_Cisco\\_UCSC\\_Install\\_and\\_Upgrade\\_Guide\\_1-3/b\\_Cisco\\_UCSC\\_Install\\_and\\_Upgrade\\_Guide\\_1-3\\_chapter\\_011.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/install-upgrade/1-3/b_Cisco_UCSC_Install_and_Upgrade_Guide_1-3/b_Cisco_UCSC_Install_and_Upgrade_Guide_1-3_chapter_011.html)

UCS Central can only be installed in a hypervisor, but may be installed in VMWare ESXi, Hyper-V, and KVM. This isn't an option.

### QUESTION 226

You need to configure storage switch-based Fibre Channel zoning in a Cisco UCS system. The zoning must be configured in VSAN 100. What Should you do?

- A. Disable zoning on VSAN 100 in Cisco UCS Manager. Configure zoning on the upstream SAN switch on VSAN 100.
- B. Disable zoning on VSAN 100 in Cisco UCS Manager. Set Cisco UCS Manager to interoperability mode Create VSAN 100 in Cisco UCS Manager. Configure zoning on the upstream third-party SAN switch.
- C. Register the SAN switch manually in Cisco UCS Manager. Enable switch-based zoning on VSAN 100 in Cisco UCS Manager.
- D. Discover the SAN switch in Cisco UCS Manager. Enable inherited zoning on VSAN 100 in Cisco UCS Manager.

**Answer:** A

**Explanation:**

### Switch-Based Fibre Channel Zoning

With switch-based zoning, a Cisco UCS domain inherits the zoning configuration from the upstream switch. You cannot configure or view information about your zoning configuration in Cisco UCS Manager. You have to disable zoning on a VSAN in Cisco UCS Manager to use switch-based zoning for that VSAN.

**QUESTION 227**

Which of the following are true concerning authentication within a Cisco Unified Computing System?

- A. Authentication domains are used to leverage individual authentication systems.
- B. You can create up to 64 authentication domains, each associated with a provider group and realm in Cisco Unified Computing System.
- C. Cisco Unified Computing System supports LDAP or RADIUS for remote authentication.
- D. A locally authenticated user account is authenticated directly through the fabric interconnect.

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0111.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0111.html)

**QUESTION 228**

To boot from SAN, you must perform which two configurations on a Cisco UCS system? (Choose two.)

- A. Enter the boot LUN and the nWWNs.
- B. Put the boot VSAN in a dedicated boot service profile template.
- C. Create a LUN, and allow the server WWPN to have access to the LUN.
- D. Put the server WWPN and the storage array WWPN in the same zone.
- E. Create a dedicated boot VSAN.

**Answer:** CD

**Explanation:**

<http://jeffsaidso.com/2010/11/boot-from-san-101-with-cisco-ucs/>

**QUESTION 229**

You need to provision iSCSI initiator IP pools on a Cisco UCS system.

How many iSCSI vNICs can you use per boot policy?

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

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_01111.html#task\\_B3A2111362F645AA9DA80153EDA14FA8](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_01111.html#task_B3A2111362F645AA9DA80153EDA14FA8)

You can add up to two iSCSI vNICs per boot policy. One vNIC acts as the primary iSCSI boot source, and the other acts as the secondary iSCSI boot source.

**QUESTION 230**

You need to install a Windows Server operating system that has MPIO enabled, to optimize

connectivity with storage arrays. What is a valid prerequisite to perform this task?

- A. iSCSI multipathing must be enabled on all of the vNICs and the physical adapters in the iSCSI initiator IP pools.
- B. iSCSI multipathing must be disabled during the installation and re-enabled after MPIO is enabled on the host.
- C. If there are multiple paths that are configured to the boot LUN, all of these paths must be enabled when the LUN is installed.
- D. If there are multiple paths that are configured to the boot LUN, only one path must be enabled when the LUN is installed.

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_011111.html#concept\\_CFF6B18F18684915816935F89B62CCAC](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_011111.html#concept_CFF6B18F18684915816935F89B62CCAC)

If there are multiple paths configured to the boot LUN, only one path should be enabled when the LUN is installed.

### QUESTION 231

You plan to use AAA security services for a Cisco UCS Fabric Interconnect. Which two authentication providers can you use? (Choose two.)

- A. Kerberos
- B. RADIUS
- C. NTLM
- D. Diameter
- E. LDAP

**Answer:** BE

### QUESTION 232

You configure FCoE in a Cisco UCS system at a customer site. The configuration seems correct, but the customer complains that the system fails to perform as expected FCoE VLAN discovery. FCF discovery and FLOGI processes work properly. The issue appears to be with the Fibre Channel commands and responses. What is a possible cause of the issue?

- A. The storage device is experiencing configuration or compatibility issues when the FIP process completes successfully.
- B. The routed Layer 3 network between the FCoE SAN and the storage device is experiencing issues when the FIP process fails to complete successfully.
- C. The FCoE configuration is experiencing errors because of issues with the Fibre Channel commands.
- D. The switched Layer 2 network between the FCoE SAW and the storage device is experiencing issues when the FIP process fails to complete successfully.

**Answer:** D

**Explanation:**

<https://supportforums.cisco.com/t5/storage-networking/fip-and-native-vlan/td-p/2451783>  
Make sure that your native vlan is carried across all the trunk ports.

**QUESTION 233**

Which item represents a secure method of transmitting fault data with Cisco Call Home?

- A. Cisco Transport Gateway
- B. RSA Digital Certificate
- C. IPsec
- D. secure XML

**Answer:** A

**QUESTION 234**

Which cisco UCS blade server supports the highest I/O throughput?

- A. Cisco UCS B420 M3 Blade Server
- B. Cisco UCS B200 M3 Blade Server
- C. Cisco UCS B22 M3 Blade Server
- D. Cisco UCS B200 M4 Blade Server

**Answer:** A

**Explanation:**

B420 M4 = 160G I/O BW

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/data\\_sheet\\_c78-706100.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/data_sheet_c78-706100.html)

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/data\\_sheet\\_c78-706603.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/data_sheet_c78-706603.html)

[https://apps.cisco.com/ccw/cpc/guest/content/ucsModelDetails/model\\_b200m4](https://apps.cisco.com/ccw/cpc/guest/content/ucsModelDetails/model_b200m4)

<https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b200-m4-blade-server/datasheet-c78-732434.html>

**QUESTION 235**

Which two statements are true concerning the role-based access control specifics of a Cisco Unified Computing System? (Choose two.)

- A. By default, user accounts expire after 90 days, a warning message will be generated 10 days prior to expiration.
- B. A locally authenticated user account is any user account that is authenticated through LDAP, RADIUS, or TACACS+.
- C. A user that is assigned one or more roles will be allowed the privileges that are consistent across all of the assigned roles.
- D. All roles include read access to all configuration settings in the Cisco Untied Computing System domain.
- E. If a user maintains a local user account and a remote user account simultaneously, the roles that are defined in the local user account override those that are maintained in the remote user account.

**Answer:** DE

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_UCSM\\_Admin\\_Mgmt\\_Guide\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_UCSM_Admin_Mgmt_Guide_chapter_01.html)

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_UCSM\\_Admin\\_Mgmt\\_Guide\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_UCSM_Admin_Mgmt_Guide_chapter_01.html)

**QUESTION 236**

Drag and Drop Question

This question concerns provisioning a workload on a Cisco UCS System. Drag the options on the left to the right side in the correct order.

- Adapter Policy
- Org hierarchy
- Pools
- Server Policy
- Service Profile Template


**Answer:**

- Org hierarchy
- Pools
- Adapter Policy
- Service Profile Template
- Server Policy

**QUESTION 237**

When configuring roles in the Cisco UCS C-Series, which role should be assigned for a person who must be allowed to power on the server and install a hypervisor using virtual media, but not allowed to configure other Cisco Integrated Management Controller settings?

- A. read-only
- B. user
- C. VM admin
- D. admin

**Answer:** B**QUESTION 238**

You need to design and implement a Cisco UCS 5108 Blade Server Chassis system for a customer. Which statement about how half-width blades and full-width blades can be used is true?

- A. Only two full-width blades can be installed in the top two slots, and four half-width blades can be installed in the bottom two slots.
- B. Only one full-width blade can be installed in the top slot, and six half-width blades can be installed in the bottom slots.

- C. Half-width blades and full-width blades can be combined in any order.
- D. Half-width blade types and full-width blade types cannot be combined.

**Answer:** C

**Explanation:**

Mixed blade configurations

Allows up to 8 half-width or 4 full-width blade servers, or any combination thereof, for outstanding flexibility.

When configured with the 6324 Fabric Interconnect, only 8 half-width B200 M3 blades are supported.

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/hw/chassis-install-guide/ucs5108\\_install/ucs5108\\_install\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/hw/chassis-install-guide/ucs5108_install/ucs5108_install_chapter_01.html)

#### **QUESTION 239**

An engineer is performing firmware upgrades through Cisco UCS Manager. Which firmware upgrade causes the server to be powered off during the upgrade and powered on after the upgrade is complete?

- A. adapter
- B. board controller
- C. BIOS
- D. storage controller

**Answer:** B

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-2/b\\_GUI\\_Firmware\\_Management\\_22/b\\_GUI\\_Firmware\\_Management\\_22\\_chapter\\_0110.html#concept\\_B63926AE193641ACA272EB8DEFC91ADD](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-2/b_GUI_Firmware_Management_22/b_GUI_Firmware_Management_22_chapter_0110.html#concept_B63926AE193641ACA272EB8DEFC91ADD)

The following endpoints only require activation because the specified firmware image already exists on the endpoint:

Cisco UCS Manager

Fabric interconnects

**Board controllers** on those servers that support them

#### **QUESTION 240**

Which option does UEFI secure boot provide?

- A. checksum verification of the EFI shell
- B. certificate verification of the EFI shell
- C. checksum verification of the OS
- D. certificate verification of the OS

**Answer:** D

#### **QUESTION 241**

You are configuring HTTPS access to Cisco UCS Manager. You create a key ring, you issue a certificate request for the key ring, and you create the certificate request for the key ring. You discover that you still receive untrusted connection messages when connecting to Cisco UCS Manager from a Firefox browser and a Google Chrome browser.

What should you do to resolve the issue?

- A. Create a trusted point.
- B. Obtain a validated certificate from Cisco.
- C. Use only the Microsoft Internet Explorer browser.
- D. Sign the certificate by using Cisco UCS Manager.

**Answer:** A

**Explanation:**

<https://www.derekseaman.com/2012/04/install-trusted-ssl-certificate-in.html>  
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_01\\_10.html#concept\\_6C39A204B75C4B6F99FBE1389BE66E1F](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_01_10.html#concept_6C39A204B75C4B6F99FBE1389BE66E1F)

#### QUESTION 242

Refer to the exhibit. You need to configure a Fibre Channel device alias named TEST for a device that is attached to port fc 1/9 of a Cisco Nexus Series switch in a Cisco UCS system. Which command set should you use?

SITE-A-MDS-Fabric-A# sh flogi dat				
INTERFACE	VSAN	FCID	PORT NAME	NODE NAME
fc1/3	100	0x6b0000	50:00:14:42:c0:0c:f5:00	50:00:14:40:47:a0:0c:f5
fc1/4	100	0x6b0200	50:00:14:42:c0:0c:f5:01	50:00:14:40:47:a0:0c:f5
fc1/5	100	0x6b0300	50:00:14:42:d0:0c:f5:00	50:00:14:40:47:b0:0c:f5
fc1/6	100	0x6b0100	50:00:14:42:d0:0c:f5:01	50:00:14:40:47:b0:0c:f5
fc1/7	50	0x550000	50:00:14:42:c0:0c:f5:20	50:00:14:40:47:a0:0c:f5
fc1/8	50	0x550100	50:00:14:42:c0:0c:f5:21	50:00:14:40:47:a0:0c:f5
fc1/9	50	0x550200	50:00:14:42:d0:0c:f5:20	50:00:14:40:47:b0:0c:f5
fc1/10	50	0x550300	50:00:14:42:d0:0c:f5:21	50:00:14:40:47:b0:0c:f5
fc1/11	100	0x6b0400	20:20:54:7f:ee:fa:de:c0	20:64:54:7f:ee:fa:de:c1
fc1/11	100	0x6b0401	20:00:00:25:b5:00:01:02	20:00:00:25:b5:00:00:01
fc1/11	100	0x6b0402	20:00:00:25:b5:00:01:00	20:00:00:25:b5:00:00:00
fc1/11	100	0x6b0403	20:00:00:25:b5:00:01:03	20:00:00:25:b5:00:00:01
fc1/11	100	0x6b0404	20:00:00:25:b5:00:01:01	20:00:00:25:b5:00:00:00
Total number of flogi = 13.				

- A. SITE-A-MDS-Fabric-A# configure terminal  
 SITE-A-MDS-Fabric-A (config)# device-alias database  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwnn  
 50:00:14:42:d0:0 c:f5:20  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# exit
- B. SITE-A-MDS-Fabric-A# configure terminal  
 SITE-A-MDS-Fabric-A (config)# device-alias database  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwnn  
 50:00:14:40:47:b0:0 c:f5  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias commit
- C. SITE-A-MDS-Fabric-A# configure terminal  
 SITE-A-MDS-Fabric-A (config)# device-alias database  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwnn  
 50:00:14:42:d0:0 c:f5:20  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias commit
- D. SITE-A-MDS-Fabric-A# device-alias database  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwnn  
 50:00:14:40:47:b0:0 c:f5  
 SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias commit

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/4\\_1/configuration/guides/cli\\_4\\_1/clibook/ddas.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/4_1/configuration/guides/cli_4_1/clibook/ddas.html)

<https://community.emc.com/thread/170991?start=0&tstart=0>

We need to zone the PWWN (port WWN) of fc1/9, not the NWWN (node WWN) of fc1/9.

**QUESTION 243**

Which description of an import operation in Cisco UCS Manager is true?

- A. You can perform an import while the system is up and running
- B. You can import only a configuration file that was exported from the same Cisco UCS Manager
- C. You can import a configuration from a higher release to a lower release
- D. You can schedule an import operation

**Answer:** A

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter43.html#task\\_B89DEDCCDE54E9C81E67C53FAC4DEC6](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter43.html#task_B89DEDCCDE54E9C81E67C53FAC4DEC6)

**You can perform an import while the system is up and running.**

You can import any configuration file that was exported from Cisco UCS Manager. The file does not need to have been exported from the same Cisco UCS Manager.

You cannot schedule an import operation.

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_01001.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_01001.pdf)

You cannot import configuration from a higher release to a lower release.

**QUESTION 244**

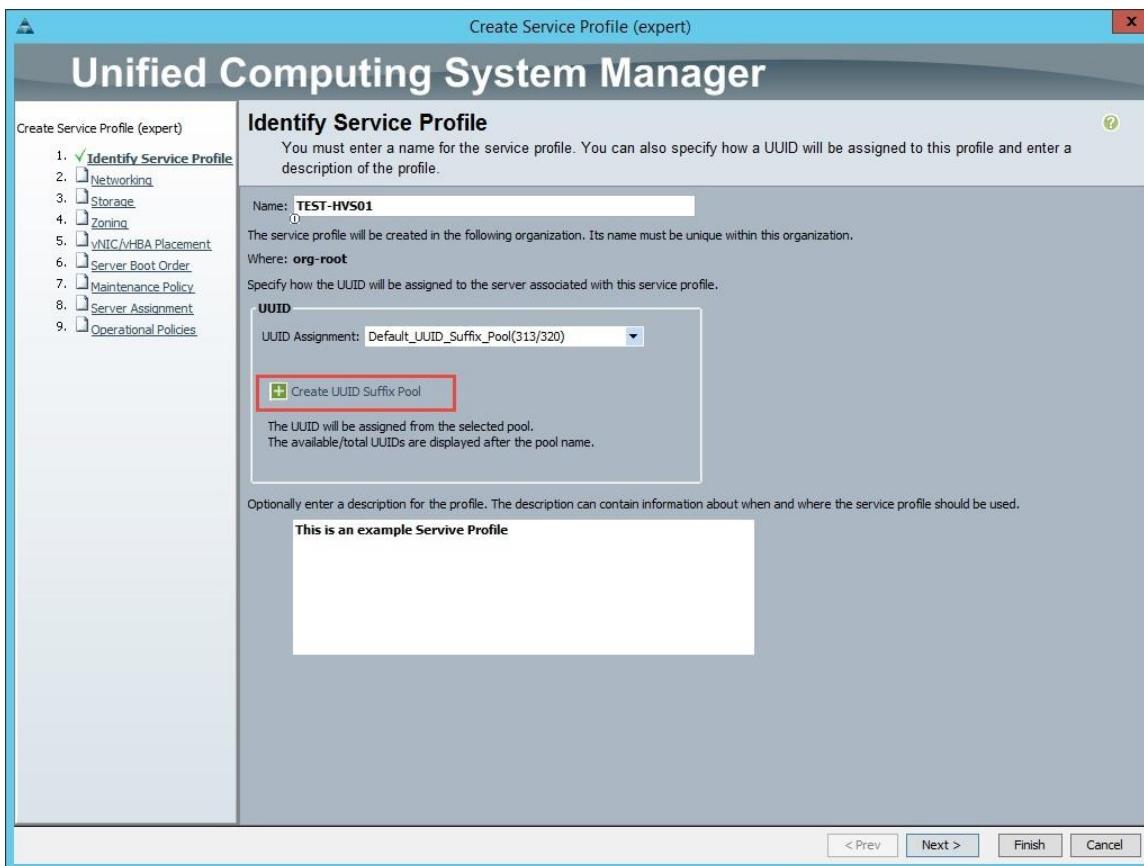
You are creating service profiles for a Cisco UCS system by using the service profile wizard.

You discover that you forgot to create the UUID pool. What should you do?

- A. From the wizard, click Create UUID Suffix Pool.
- B. Pause the running wizard and then start a temporary wizard to create a profile with the same name and the missing UUID pool. Resume the wizard, and then select the new UUID pool.
- C. Continue running the wizard. The service profile uses the burned-in UUID in the BIOS of the server.
- D. Stop the wizard, and then restart the wizard.

**Answer:** A

**Explanation:**



[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_11111.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_11111.pdf)

**Step 4** (Optional) If you want to create a new UUID Suffix pool to use to use in this service profile, click **Create UUID Suffix Pool** and complete the fields in the **Create UUID Suffix Pool** wizard.  
 For more information, see [Creating a UUID Suffix Pool](#).

#### QUESTION 245

Which component is unsupported by the UEFI boot device in the Cisco UCS C-series standalone?

- A. PCI SSD
- B. FCoE
- C. FlexFlash card
- D. USB

**Answer:** A

#### QUESTION 246

You need to configure a new Fibre Channel port channel from the Cisco UCS Manager GUI. To do this, from the SAN tab, you navigate to SAN Cloud > Fabric A or B > FC Port Channels, and you click the plus sign. In the popup window, you specify the Fibre Channel port channel name and ID. Which two rules should you follow when you set the Fibre Channel port channel name

and ID? (Choose two.)

- A. The Name field must be a number.
- B. The ID field can contain ASCII characters, except for spaces.
- C. The Name field is optional, but it cannot contain spaces.
- D. The Fibre Channel port channel ID is optional.
- E. The Fibre Channel port channel ID must be a number.

**Answer:** CE

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter5.html#concept\\_27BF341DAC6441EDB93F363AA6284E23](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter5.html#concept_27BF341DAC6441EDB93F363AA6284E23)

ID field

The identifier for the port channel.

Enter an integer between 1 and 256. This ID cannot be changed after the port channel has been saved.

Name field

A user-defined name for the port channel.

This name can be between 1 and 16 alphanumeric characters. You cannot use spaces or any special characters other than - (hyphen), \_ (underscore), : (colon), and . (period), and you cannot change this name after the object has been saved.

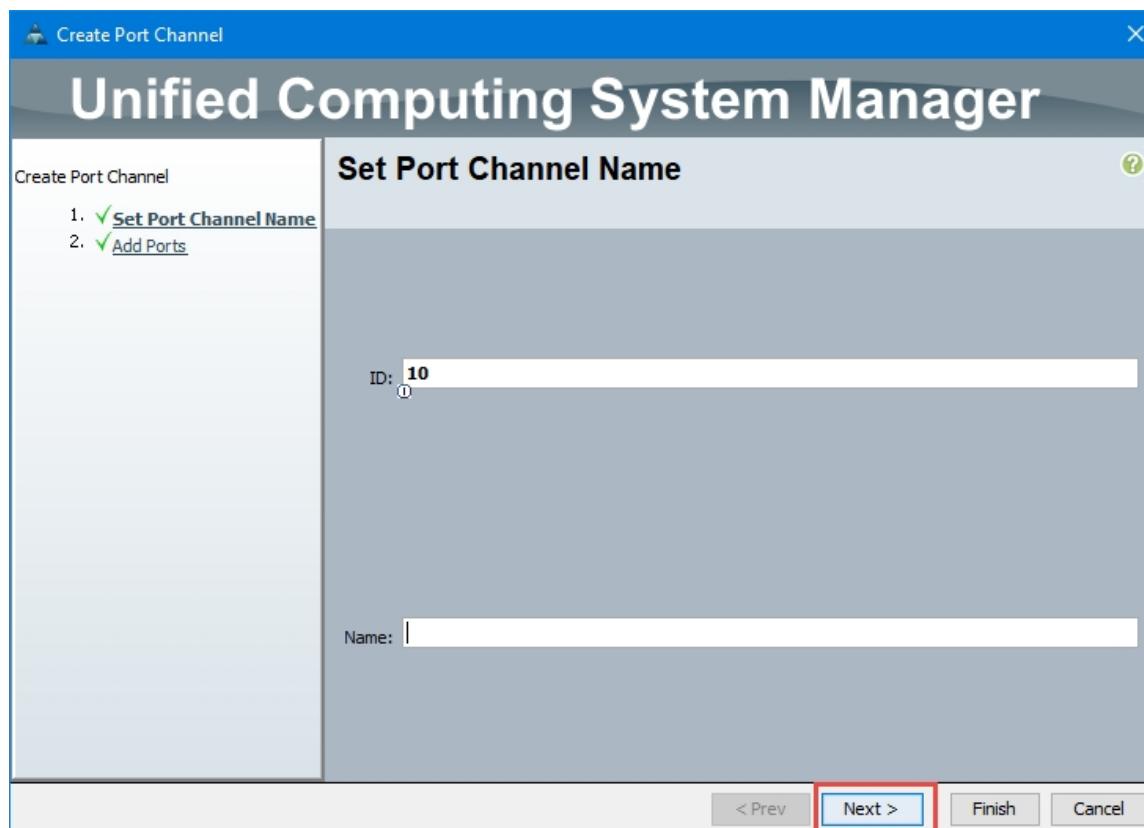
The Fibre Channel port channel ID is **NOT** optional

The ID field **CANNOT** contain ASCII characters, **OR** spaces.

The Name field must be a number **IS NOT CORRECT**.

The Fibre Channel port channel ID must be a number. **IS CORRECT**

The Name field is optional, but it cannot contain spaces. **IS CORRECT**



The name field is optional (notice the "Next >" button is available when the name field is empty)

**QUESTION 247**

Which two tasks can you perform from Cisco UCS Manager? (Choose two.)

- A. Configure SAN PIN groups.
- B. Restart an Oracle database.
- C. Configure or manage external storage on the SAN.
- D. Configure QoS classes and definitions.
- E. Deploy an operating system.

**Answer:** AD

**Explanation:**

Restart an Oracle database. NOT CORRECT

Deploy an operating system. NOT CORRECT

Configure or manage external storage on the SAN. NOT CORRECT

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_2\\_chapter\\_010101.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010101.html)

[https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-2104xp-fabric-extender/110509-ucs-qos-00.html#qos\\_policy](https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-2104xp-fabric-extender/110509-ucs-qos-00.html#qos_policy)

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-0-2/b\\_GUI\\_Config\\_Guide/GUI\\_Config\\_Guide\\_chapter19.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-0-2/b_GUI_Config_Guide/GUI_Config_Guide_chapter19.html)

**QUESTION 248**

Before upgrading a Cisco UCS cluster, you need to verify the high-availability status and roles of the cluster. In which scenario can you successfully perform the upgrade?

- A. When you check the Cisco UCS Manager GUI, the Ready field value is Ready and the State field value is On. When you check the Cisco UCS Manager CLI, the Primary and Secondary interconnect state are both ON and the cluster state is HA WAITING.
- B. When you check the Cisco UCS Manager GUI, the Ready field value is Yes and the State field value is Up. When you check the Cisco UCS Manager CLI, the Primary and Secondary interconnect state are both UP and the cluster state is HA READY.
- C. When you check the Cisco UCS Manager GUI, the Ready field value is Ready and the State field value is Active. When you check the Cisco UCS Manager CLI, the Primary and Secondary interconnect state are both READY and the cluster state is HA WAITING.
- D. When you check the Cisco UCS Manager GUI, the Ready field value is Ready and the State field value is Up. When you check the Cisco UCS Manager CLI, the Primary and Secondary interconnect state are both UP and the cluster state is HA UP.

**Answer:** B

**Explanation:**

When you check the Cisco UCS Manager GUI, the Ready field value is **Yes** and the State field value is **Up**.

When you check the Cisco UCS Manager CLI, the Primary and Secondary interconnect state are both **UP** and the cluster state is **HA READY**.

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-2/b\\_GUI\\_Firmware\\_Management\\_22/b\\_GUI\\_Firmware\\_Management\\_22\\_chapter\\_011.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-2/b_GUI_Firmware_Management_22/b_GUI_Firmware_Management_22_chapter_011.pdf)

**Step 6** Verify that the following fields display the following values:

Field Name	Required Value
Ready field	Yes
State field	Up

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/CLI-User-Guides/Firmware-Mgmt/3-1/b\\_UCSM\\_CLI\\_Firmware\\_Management\\_Guide\\_3\\_1/b\\_UCSM\\_GUI\\_Firmware\\_Management\\_Guide\\_3\\_1\\_chapter\\_010.html#task\\_F5AC1A117B4F499D9DCFC221E2BC20AB](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Firmware-Mgmt/3-1/b_UCSM_CLI_Firmware_Management_Guide_3_1/b_UCSM_GUI_Firmware_Management_Guide_3_1_chapter_010.html#task_F5AC1A117B4F499D9DCFC221E2BC20AB)

UCS-A# **show cluster state**

Cluster Id: 0x4432f72a371511de-0xb97c000de1b1ada4

A: UP, PRIMARY

B: UP, SUBORDINATE

HA READY

### QUESTION 249

At a customer site, a Cisco UCS cluster must be renamed due to a domain name change. You need to recommend a solution to ensure that Cisco UCS Manager can be accessed over HTTPS. Which solution accomplishes this goal?

- A. The cluster must be reinstalled, in order to generate the default key ring certificate.
- B. A default key ring certificate regeneration request must be issued from Cisco UCS Manager.
- C. The default key ring certificate must be renewed automatically when the name changes.
- D. The default key ring certificate must be regenerated manually.

**Answer:** D

**Explanation:**

The cluster must be reinstalled, in order to generate the default key ring certificate. NOT CORRECT

A default key ring certificate regeneration request must be issued from Cisco UCS Manager. NOT CORRECT (NOT AN OPTION THROUGH UCSCM)

The default key ring certificate must be renewed automatically when the name changes. NOT CORRECT (NOT AUTOMATIC. MUST BE DONE THROUGH CLI)

The default key ring certificate must be regenerated manually. CORRECT

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/2-0/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0110.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-0/b_UCSM_CLI_Configuration_Guide_2_0/b_UCSM_CLI_Configuration_Guide_2_0_chapter_0110.pdf)

The default key ring certificate must be manually regenerated if the cluster name changes or the certificate expires.

### QUESTION 250

You need to install Cisco UCS Central Software at a customer site and set it up to manage Cisco UCS Manager. What should you do to accomplish this goal?

- A. Register the Cisco UCS domains in Cisco UCS Central Software.
- B. Register the same Cisco UCS equipment that is managed by Cisco UCS Manager, and Cisco

- UCS Manager itself, in Cisco UCS Central Software.
- C. Register Cisco UCS Manager in Cisco UCS Central Software.
  - D. Register Cisco UCS Central Software in Cisco UCS Manager.

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-central/videos/1-5/domain\\_registration\\_and\\_unregistration\\_through\\_ucs\\_central.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/videos/1-5/domain_registration_and_unregistration_through_ucs_central.html)

## QUESTION 251

An administrator is required to configure a policy in Cisco UCS to schedule backups. Which two backup types can be scheduled? (Choose two.)

- A. full state
- B. import configuration
- C. logical configuration
- D. system configuration
- E. all configuration

**Answer:** AE

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_1\\_chapter\\_0101001.html#concept\\_7075407A62F842788089041DC1B90D41](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-1/b_UCSM_GUI_Configuration_Guide_2_1/b_UCSM_GUI_Configuration_Guide_2_1_chapter_0101001.html#concept_7075407A62F842788089041DC1B90D41)

## QUESTION 252

Which two prerequisites are required to configure a SAN boot from the iSCSI storage of a Cisco UCS system? (Choose two.)

- A. There must be FCIP connectivity between the Cisco UCS domain and the boot target storage.
- B. There must be IP connectivity between the Cisco UCS domain and the boot target storage.
- C. The operating system to boot must be iBFT-capable.
- D. There must be a group of IP addresses that is associated with the WWN pool.
- E. The operating system to boot must be an iSCSI initiator and must be target-capable.

**Answer:** BC

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_011101.html#concept\\_FBB613095A774844ACA4DD7377EE102D](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_011101.html#concept_FBB613095A774844ACA4DD7377EE102D)

To use a SAN boot, ensure that the following is configured: The Cisco UCS domain must be able to communicate with the SAN storage device that hosts the operating system image.

The next step, which is the installation of the operating system (OS), requires an OS that is iBFT capable.

There must be FCIP connectivity between the Cisco UCS domain and the boot target storage.  
NOT CORRECT (FCIP IS FC)

There must be IP connectivity between the Cisco UCS domain and the boot target storage.  
CORRECT

The operating system to boot must be iBFT-capable. CORRECT

There must be a group of IP addresses that is associated with the WWN pool. NOT CORRECT  
(WWN IS FC)

The operating system to boot must be an iSCSI initiator and must be target-capable. MAYBE

**QUESTION 253**

Which two statements describe the Cisco UCS Manager full state type of backup? (Choose two.)

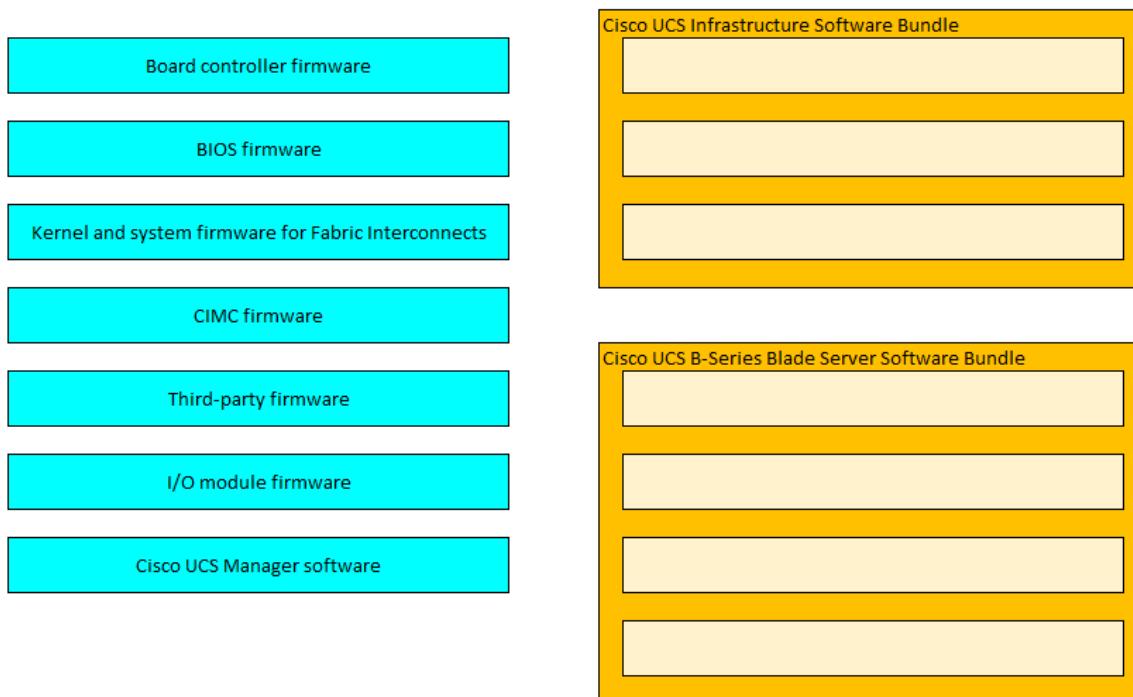
- A. The file created can be used for an import.
- B. The file created cannot be used to restore the system during disaster recovery.
- C. The file created can only be used to restore a system that is running the same version as the system from which the backup file was exported.
- D. it creates an XML file.
- E. it creates a binary file.

**Answer:** CE

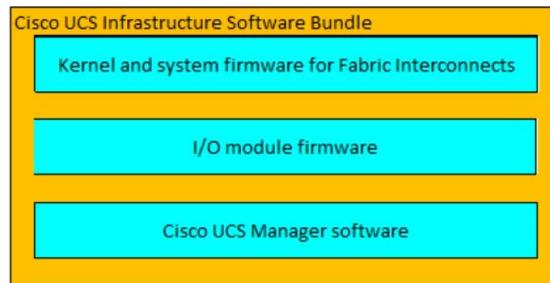
**QUESTION 254**

Drag and Drop Question

You need to upgrade the firmware on a Cisco UCS B-Series Blade Server system. Drag and drop the firmware packager, on the left to the appropriate software bundle types on the right.



**Answer:**



### QUESTION 255

A service profile is created using vHBAs.

What will happen if the profile is applied to a server with a mezzanine card without storage capability?

- A. The blade association will fail.
- B. The storage adapter will not be visible to the operating system.
- C. A virtual storage adapter will be created.
- D. A WWNN or a WWPN will be autoselected from the default pool.

**Answer:** A

**Explanation:**

<https://supportforums.cisco.com/t5/data-center-blogs/c-series-resolve-service-profile-association-failure-when/ba-p/3103082>

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter28.html#topic\\_4B2EC5A485E54A2893D02A7BB5F3E039](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter28.html#topic_4B2EC5A485E54A2893D02A7BB5F3E039) In addition to any guidelines or recommendations that are specific to policies and pools included in service profiles and service profile templates, such as the local disk configuration policy, you need to be aware of the following guidelines and recommendations that impact the ability to associate a service profile with a server.

### QUESTION 256

Which two factors determine the recommended maximum number of virtual interfaces on a Cisco UCS system? (Choose two.)

- A. the number of compute blades in the system
- B. the number of interfaces sharing the uplinks
- C. the driver version on the OS running on the compute blade

- D. the number of uplinks between I/O Module and Fabric Interconnect

**Answer:** CD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c-series\\_integration/ucsm2-0-2/b\\_UCSM\\_202\\_C-Integration/b\\_UCSM\\_202\\_C-Integration\\_chapter\\_01.html#reference\\_7F381038303B4825ACD303765905086A](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c-series_integration/ucsm2-0-2/b_UCSM_202_C-Integration/b_UCSM_202_C-Integration_chapter_01.html#reference_7F381038303B4825ACD303765905086A) The number of uplinks between I/O Module and Fabric Interconnect  
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/Reference-Docs/Configuration-Limits/3-1/b\\_UCS\\_Configuration\\_Limits\\_3\\_1.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/Reference-Docs/Configuration-Limits/3-1/b_UCS_Configuration_Limits_3_1.html) the driver version on the OS running on the compute blade

### QUESTION 257

Which of the following supports more than two component-resident versions of firmware?

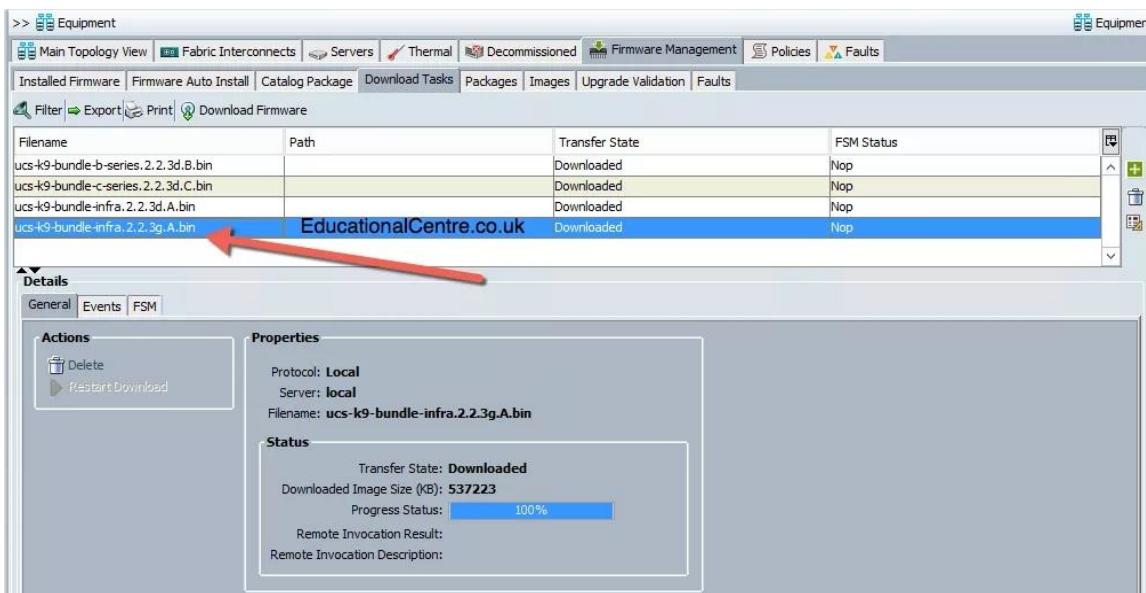
- A. mezzanine adapters
- B. I/O modules
- C. Cisco UCS fabric interconnects
- D. CIMCs

**Answer:** C

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-manager/110511-ucs-fw-mgmt-00.html>  
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/3-1/b\\_UCSM\\_GUI\\_Firmware\\_Management\\_Guide\\_3\\_1\\_chapter\\_011.html#task\\_C8E850B883D741BFBEF0FBBA409C6CB7](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/3-1/b_UCSM_GUI_Firmware_Management_Guide_3_1/b_UCSM_GUI_Firmware_Management_Guide_3_1_chapter_011.html#task_C8E850B883D741BFBEF0FBBA409C6CB7)

The Fabric Interconnects are the only components that can store more than two versions.



The screenshot shows the Firmware Management tab in the Cisco UCS Manager. A red arrow points to the 'ucs-k9-bundle-infra.2.2.3g.A.bin' row in the table, which is highlighted in blue. The table has columns: Filename, Path, Transfer State, and FSM Status. The details panel below shows the file is at 100% completion.

Filename	Path	Transfer State	FSM Status
ucs-k9-bundle-b-series.2.2.3d.B.bin		Downloaded	Nop
ucs-k9-bundle-c-series.2.2.3d.C.bin		Downloaded	Nop
ucs-k9-bundle-infra.2.2.3d.A.bin		Downloaded	Nop
ucs-k9-bundle-infra.2.2.3g.A.bin	EducationalCentre.co.uk	Downloaded	Nop

**Details**

**Properties**

- Protocol: Local
- Server: local
- Filename: ucs-k9-bundle-infra.2.2.3g.A.bin

**Status**

- Transfer State: Downloaded
- Downloaded Image Size (KB): 537223
- Progress Status: 100%
- Remote Invocation Result:
- Remote Invocation Description:

### QUESTION 258

Which two statements about MAC addresses in the Cisco UCS are true? (Choose two.)

- A. The first 2 octets represent the manufacturer OUI.
- B. The first 3 octets represent the manufacturer OUI.
- C. The last 3 octets are assigned by the organization itself.
- D. The last 4 octets are assigned by the organization itself.

**Answer:** BC

**Explanation:**

<https://supportforums.cisco.com/t5/unified-computing-system/oui-for-wwn-and-macs/td-p/1441710> <https://supportforums.cisco.com/t5/unified-computing-system/when-to-use-wwnn-and-wwpn-pools/td-p/1614344>  
<http://www.vmwareadmins.com/using-a-address-naming-convention-with-cisco-ucs/>  
[https://en.wikipedia.org/wiki/MAC\\_address](https://en.wikipedia.org/wiki/MAC_address)

#### **QUESTION 259**

You attempt to perform an ESXi update on a Cisco UCS C250 server, but the update does not recognize the NICs. You must perform the update as quickly as possible. Which step must you do first?

- A. Check the UCS compatibility matrix and replace the NIC with a supported one.
- B. Reconfigure the NIC ID on the LOM.
- C. Update the LOM firmware by using the Cisco Host Update Utility.
- D. Update the NIC firmware by using the Cisco Host Update Utility.

**Answer:** C

**Explanation:**

<https://supportforums.cisco.com/t5/unified-computing-system/ucs240m3-network-interfaces-missing-on-esxi-5-1u1/td-p/2415392>  
<http://terenceluk.blogspot.com/2011/08/updating-firmware-for-cisco-ucs-c.html>

#### **QUESTION 260**

Which two parameters are used by Cisco UCS for automatic Fibre Channel uplink pinning?

- A. server WWN
- B. MDS WWNN
- C. VSAN membership
- D. hash algorithm
- E. vHBA MAC address

**Answer:** AC

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/3-0/b\\_UCSM\\_GUI\\_User\\_Guide\\_3\\_0/b\\_UCSM\\_GUI\\_User\\_Guide\\_3\\_0\\_chapter\\_011000.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/3-0/b_UCSM_GUI_User_Guide_3_0/b_UCSM_GUI_User_Guide_3_0_chapter_011000.html)  
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_010110.html#task\\_2F3F6BFFC4384A2F8809492F9DE8FD23](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_010110.html#task_2F3F6BFFC4384A2F8809492F9DE8FD23)

#### **QUESTION 261**

Which three AAA protocols are supported for communication with external AAA providers?  
(Choose three.)

- A. TACACS+
- B. RADIUS
- C. AD
- D. LDAP
- E. ACS
- F. 802.1X

**Answer:** ABD

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter7.html#concept\\_95086D8A9B594FD29A3BD8AF5D2DA1\\_FC](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter7.html#concept_95086D8A9B594FD29A3BD8AF5D2DA1_FC)

Cisco UCS supports two methods to authenticate user logins:

Through user accounts local to Cisco UCS Manager

Remotely through one of the following protocols:

LDAP  
RADIUS  
TACACS+

### QUESTION 262

An administrator is testing the Cisco Nexus 1000v switch on top of a Cisco UCS Blade. They realize that the test VM traffic is not marked correctly after it leaves the Cisco UCS B-series blade.

What is the reason for seeing this behavior?

- A. The Cisco UCS does not support QoS marking
- B. The Cisco UCS QoS policy applied to the blade has the host control set to "none."
- C. The Cisco Nexus 1000V Series Switches do not support QoS marking.
- D. The Cisco Nexus 1000V Series Switch QoS marking has not been enabled with "feature gos."

**Answer:** B

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/switches/nexus-1000v-switch/117541-configure-qos-00.html#anc6>

Whether UCS controls the CoS for a vNIC or not strictly depends on the Host Control Field of the QoS Policy, which is assigned to that particular vNIC.

If None is selected, then UCS assigns the CoS value associated with the Priority Class given in the QoS policy. It disregards any of the settings implemented at the host level by the Nexus 1000v.

If Full is selected and the packet has a valid CoS assigned by the Nexus 1000v, then UCS trusts the CoS settings assigned at the host level. Otherwise, Cisco UCS uses the CoS value associated with the priority selected in the Priority drop-down list.

The Milano QoS policy has a Host Control of Full, which means that the Gold Priority (CoS 6) is ignored and the Nexus 1000v setting is trusted.

The correct answer is "The Cisco UCS QoS policy applied to the blade has the host control set to "none." The other answers are not correct, or are not causes for the behavior.

### QUESTION 263

Which Cisco UCS B-Series Blade Server is capable of RAID 5?

- A. B200
- B. B250

- C. B230
- D. B440

**Answer:** D

**Explanation:**

[https://en.wikipedia.org/wiki/Standard\\_RAID\\_levels#RAID\\_5](https://en.wikipedia.org/wiki/Standard_RAID_levels#RAID_5) RAID 5 requires at least 3 disks.

B200 2 Bays  
B250 2 Bays  
B230 2 Bays  
B440 4 Bays

The only server that could possibly support RAID 5 is the B440

#### QUESTION 264

Which command sequence in the Cisco UCS C-Series rack server CLI sends tech support data to a TFTP server?

- A. ucs-c250 / # scope cimc  
    ucs-c250 /cimc # scope tech-support  
    ucs-c250 /cimc/tech-support # set path default.tar.gz  
    ucs-c250 /cimc/tech-support \*# set tftp-ip 192.168.70.45  
    ucs-c250 /cimc/tech-support \*# commit
- B. ucs-c250 / # scope system  
    ucs-c250 /system # scope tech-support  
    ucs-c250 /system/tech-support # set path default.tar.gz  
    ucs-c250 /system/tech-support \*# set tftp-ip 192.168.70.45  
    ucs-c250 /system/tech-support \*# commit
- C. ucs-c250 / # scope support  
    ucs-c250 /support # scope tech-support  
    ucs-c250 /support/tech-support # set path default.tar.gz  
    ucs-c250 /support/tech-support \*# set tftp-ip 192.168.70.45  
    ucs-c250 /support/tech-support \*# commit
- D. ucs-c250 / # scope fault  
    ucs-c250 /fault # scope tech-support  
    ucs-c250 /fault/tech-support # set path default.tar.gz  
    ucs-c250 /fault/tech-support \*# set tftp-ip 192.168.70.45  
    ucs-c250 /fault/tech-support \*# commit

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/sw/cli/config/guide/1-1-2/b\\_Cisco\\_CIMC\\_CLI\\_Configuration\\_Guide\\_1\\_1\\_2/](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/cli/config/guide/1-1-2/b_Cisco_CIMC_CLI_Configuration_Guide_1_1_2/)  
[Cisco\\_CIMC\\_CLI\\_Configuration\\_Guide\\_1\\_1\\_2\\_chapter13.html#task\\_551DFD0E88124951A54DC305C29\\_F7F7C](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/cli/config/guide/1-1-2/b_Cisco_CIMC_CLI_Configuration_Guide_1_1_2_chapter13.html#task_551DFD0E88124951A54DC305C29_F7F7C)

This example creates a support data file and transfers the file to a TFTP server:

```
Server# scope cimc
Server /cimc # scope tech-support
Server /cimc/tech-support # set tftp-ip 10.20.30.41
Server /cimc/tech-support *# set path /user/user1/supportfile Server /cimc/tech-support *# commit
Server /cimc/tech-support # start
```

#### QUESTION 265

You are implementing a UCS B-Series environment for a customer with both bare-metal and virtualized servers.

The bare-metal servers require two vNICs and two vHBAs. Administrators of virtualized servers will be utilizing VN-Link technology.  
 Which adapter should be recommended?

- A. Cisco UCS M81KR
- B. Cisco UCS M72KR-Q
- C. Cisco UCS M71KR-E
- D. Cisco UCS P81E
- E. Cisco UCS M51KR-B

**Answer:** A

**Explanation:**

M81KR (supports many adapters and VN-LINK)

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/\\_data\\_sheet\\_c78-525049.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/_data_sheet_c78-525049.html)

M72KR-Q (supports only one adapter, does not support VN-LINK)

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/\\_data\\_sheet\\_c78-623738.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/_data_sheet_c78-623738.html)

M71KR-E (supports only one adapter, does not support VN-LINK)

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/\\_data\\_sheet\\_c78-703582.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/_data_sheet_c78-703582.html)

P81E (supports many adapters, does not support VN-LINK)

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/\\_data\\_sheet\\_c78-558230.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/_data_sheet_c78-558230.html)

M51KR-B (this is not a converged network adapter CNA, and does not support vHBAs)

[https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/spec\\_sheet\\_c17-644236.pdf](https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/spec_sheet_c17-644236.pdf)

## QUESTION 266

Refer to the exhibit.

```

Server # scope chassis
server /chassis # show adapter
server /chassis # scope adapter 2
server /chassis/adapter # scope host-eth-if eth0
server /chassis/adapter/host-eth-if # create usnic-config 0
server /chassis/adapter/host-eth-if/usnic-config *# set usnic-count 64
server /chassis/adapter/host-eth-if/usnic-config *# set cq-count 6
server /chassis/adapter/host-eth-if/usnic-config *# set rq-count 6
server /chassis/adapter/host-eth-if/usnic-config *# set tq-count 6
server /chassis/adapter/host-eth-if/usnic-config *# commit
Committed settings will take effect upon the next server reset
server /chassis/adapter/host-eth-if/usnic-config # exit
server /chassis/adapter/host-eth-if # exit
server /chassis/adapter # exit
server /chassis # exit
server # exit
server# scope bios
server /bios # scope advanced
server /bios/advanced # set IntelVTd Enabled
server /bios/advanced *# set ATS Enabled*
server /bios/advanced **# set CoherencySupport Enabled
server /bios/advanced **# commit
Changes to BIOS set-up parameters will require a reboot.
Do you want to reboot the system?[y|N]y
A system reboot has been initiated.

```

What statement is true regarding this setup created by this configuration?

- A. The NIC bypasses the kernel when sending and receiving networking packets
- B. The applications interact directly with the OS Kernel
- C. All of the other vNICs in the server are deleted and replaced by the usnic.
- D. Other answer (unknown)

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/usnic/c/deployment/2\\_0\\_X/b\\_Cisco\\_usNIC\\_Deployment\\_Guide\\_For\\_Standalone\\_C-SeriesServers.html#task\\_7B190C1F34C64BF7A04DF01D5E60454D](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/usnic/c/deployment/2_0_X/b_Cisco_usNIC_Deployment_Guide_For_Standalone_C-SeriesServers.html#task_7B190C1F34C64BF7A04DF01D5E60454D)

### QUESTION 267

Refer to the exhibit.

```
Server # scope chassis
server /chassis # show adapter
server /chassis # scope adapter 2
server /chassis/adapter # scope host-eth-if eth0
server /chassis/adapter/host-eth-if # create usnic-config 0
server /chassis/adapter/host-eth-if/usnic-config *# set usnic-count 64
server /chassis/adapter/host-eth-if/usnic-config *# set cq-count 6
server /chassis/adapter/host-eth-if/usnic-config *# set rq-count 6
server /chassis/adapter/host-eth-if/usnic-config *# set tq-count 6
server /chassis/adapter/host-eth-if/usnic-config *# commit
Committed settings will take effect upon the next server reset
server /chassis/adapter/host-eth-if/usnic-config # exit
server /chassis/adapter/host-eth-if # exit
server /chassis/adapter # exit
server # exit
server# scope bios
server /bios # scope advanced
server /bios/advanced # set IntelVTD Enabled
server /bios/advanced *# set ATS Enabled*
server /bios/advanced *# set CoherencySupport Enabled
server /bios/advanced *# commit
Changes to BIOS set-up parameters will require a reboot.
Do you want to reboot the system?[y|N]y
A system reboot has been initiated.
```

What statement happens after the following commands are executed?

- A. The server is rebooted
- B. Other answer (unknown)
- C. Other answer (unknown)
- D. Other answer (unknown)

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/usnic/c/deployment/2\\_0\\_X/b\\_Cisco\\_usNIC\\_Deployment\\_Guide\\_For\\_Standalone\\_C-SeriesServers.html#task\\_7B190C1F34C64BF7A04DF01D5E60454D](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/usnic/c/deployment/2_0_X/b_Cisco_usNIC_Deployment_Guide_For_Standalone_C-SeriesServers.html#task_7B190C1F34C64BF7A04DF01D5E60454D)

**QUESTION 268**

When deploying a dynamic FCoE topology using ECMP, what ancillary technology is used?

- A. Fabricpath
- B. EIGRP
- C. VXLAN
- D. Other answer (unknown)

**Answer:** A

**Explanation:**

<https://blogs.cisco.com/datacenter/what-is-dynamic-fcoe>

**QUESTION 269**

When deploying Nexus 5000 switches in NPV mode, what technology will help with resilience and increase throughput?

- A. F-port-channel trunk
- B. FCoE
- C. Other answer (unknown)
- D. Other answer (unknown)

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/san\\_switching/421\\_n1\\_1/b\\_Cisco\\_n5k\\_nxos\\_sanswitching\\_config\\_guide\\_rel421\\_n1\\_1/Cisco\\_n5k\\_nxos\\_sanswitching\\_config\\_guide\\_rel421\\_n1\\_1\\_chapter7.html#con\\_133799](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/san_switching/421_n1_1/b_Cisco_n5k_nxos_sanswitching_config_guide_rel421_n1_1/Cisco_n5k_nxos_sanswitching_config_guide_rel421_n1_1_chapter7.html#con_133799)

**QUESTION 270**

Refer to the exhibit below.

The screenshot shows the Cisco UCS Director web interface. The top navigation bar includes links for Converged, HyperConverged, Virtual, Physical, Organizations, Policies, Administration (which is selected), CloudSense™, and Favorites. Below the navigation is a sub-menu for Physical Accounts, with tabs for Site Management, Pods (which is selected), Physical Accounts, Multi-Domain Managers, Managed Network Elements, Virtual Console Servers, and Bare Metal Agents. Under the Pods tab, there are buttons for Refresh, Favorite, Add, Device Discovery, FlexPod Account Setup, View, Edit, and Delete. A table titled 'Pods' lists three entries: Default Pod (Type: Generic, Site: Production Site, Description: Default datacenter, Location: No); Pod 1 (Type: Generic, Site: Production Site, Description: Pod 1 Prod Data Center, Location: No); and Pod 2 (Type: Generic, Site: DR Site, Description: DR Site Pod 1, Location: No).

Name	Type	Site	Description	Location
Default Pod	Generic	Production Site	Default datacenter	No
Pod 1	Generic	Production Site	Pod 1 Prod Data Center	No
Pod 2	Generic	DR Site	DR Site Pod 1	No

Which tab do you select to add an APIC account when adding an ACI fabric?

- A. Multi-Domain Managers
- B. Physical Accounts
- C. Managed Network Elements
- D. Bare Metal Agents

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-director/apic-management-guide/5-4/b\\_UCS\\_Director\\_APIC\\_Management\\_Guide\\_54/](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/apic-management-guide/5-4/b_UCS_Director_APIC_Management_Guide_54/)

b\_UCS\_Director\_APIC\_Management\_Guide\_54\_chapter\_011.html Step 1 On the menu bar, choose Administration > Physical Accounts.

Step 2 Click the Multi-Domain Managers tab.

Step 3 Click Add.

Step 4 In the Add Account dialog box, choose APIC from the Account Type drop-down list.

Step 5 Click Submit.

### **QUESTION 271**

You have chosen to defer updates to service profiles and to schedule updates. Which option do you modify in the maintenance-policy to accomplish this goal?

- A. Reboot Policy
- B. Schedule
- C. Description
- D. Other

**Answer:** A

### **QUESTION 272**

Which items are hot-swappable on a UCS C-Series Server? (Choose-two)

- A. Internal Cooling Fans
- B. Power Supplies
- C. PCIe Card
- D. Mezzanine Card
- E. Riser Card

**Answer:** AB

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/hw/C240M4/install/C240M4/replace.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/hw/C240M4/install/C240M4/replace.html)

### **QUESTION 273**

Which tool provides automated support capability that provides continuous monitoring, proactive diagnostics, alerts, and remediation recommendations?

- A. Cisco Smart Call Home
- B. snmp
- C. Cisco Director
- D. Cisco Threat Gateway

**Answer:** A

### **QUESTION 274**

Which statement about fabric failover for Fibre Channel communication is true?

- A. You can enable hardware Fibre Channel failover.
- B. Cisco UCS load balances Fibre Channel traffic between the two fabrics.
- C. You must use a Fibre Channel multipath I/O driver.
- D. You do not have to use anything.

**Answer:** C

**Explanation:**

<https://supportforums.cisco.com/t5/unified-computing-system/san-multi-pathing-best-practices/td-p/1545645>

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/unified-computing-system/116471- configure-npiv-00.html#anc9>

[https://kb.netapp.com/support/s/article/how-to-verify-windows-fibre-channel-configurations-with-multipathing-i-o-mpio?language=en\\_US](https://kb.netapp.com/support/s/article/how-to-verify-windows-fibre-channel-configurations-with-multipathing-i-o-mpio?language=en_US)

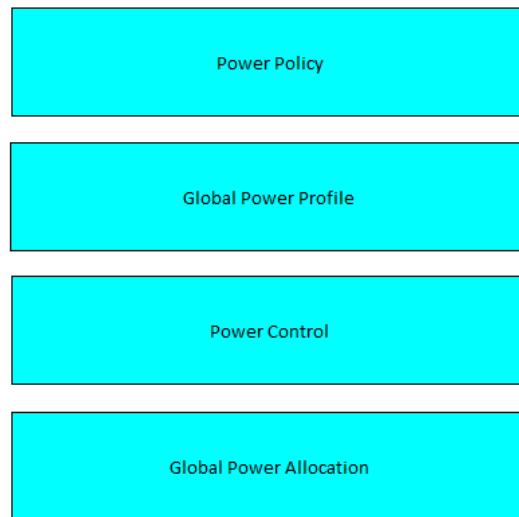
### QUESTION 275

Drag and Drop Question

This question concerns the power system of a Cisco Unified Computing System. Drag the options on the left to the right side in the correct order.

Global Power Allocation	added to a service profile to specify the redundancy for power supplies in all chassis' in the Cisco UCS domain
Global Power Profile	specifies how power allocation is applied to all of the servers in a chassis
Power Policy	used to calculate the initial power allocation for each blade within a chassis
Power Control	allows you to specify the Policy Driven Chassis Group Power Cap or Manual Blade-level Power Cap power allocation method applied to servers in a chassis.

**Answer:**



**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Infrastructure-Mgmt/3-1/b\\_UCSM\\_GUI\\_Infrastructure\\_Management\\_Guide\\_3\\_1/b\\_UCSM\\_GUI\\_Infrastructure\\_Management\\_Guide\\_3\\_1\\_chapter\\_0100.html#d3802e246a1635](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Infrastructure-Mgmt/3-1/b_UCSM_GUI_Infrastructure_Management_Guide_3_1/b_UCSM_GUI_Infrastructure_Management_Guide_3_1_chapter_0100.html#d3802e246a1635)

**QUESTION 276**

Refer to the exhibit. Based on the output, which statement about the fabric interconnect is true?

```
FI-B(nxos)# show ip igmp snooping vlan 100
  IGMP Snooping information for vlan 100
    IGMP snooping enabled
    Optimised Multicast Flood (OMF) disabled
    IGMP querier none
    Switch-querier disabled
    IGMPv3 Explicit tracking enabled
    IGMPv2 Fast leave disabled
    IGMPv1/v2 Report suppression enabled
    IGMPv3 Report suppression disabled
    Link Local Groups suppression enabled
    Router port detection using PIM Hellos, IGMP Queries
    Number of router-ports: 0
    Number of groups: 0
    VLAN vPC function disabled
    Active ports:
      Eth1/20      Eth1/32 Po1      Po21
      Po22        Po30
```

- A. The fabric interconnect floods multicast traffic in VLAN 100.

- B. 10 groups in the fabric interconnect have been configured for VLAN 100 access.
- C. After adding VLAN 100, no other changes were made.
- D. IGMP snooping was enabled by the admin for VLAN 100.

**Answer:** D

#### **QUESTION 277**

Which statement about high-availability clusters for Cisco UCS Fabric Interconnects is true?

- A. Peers in a cluster must connect to each other by using two 10-Gbps links.
- B. The cluster requires a minimum of two IP addresses.
- C. The management plane is active/standby.
- D. The data plane is active/standby.

**Answer:** C

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_100.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_100.html)

#### **QUESTION 278**

Which two descriptions of a WWN pool are true? (Choose two.)

- A. a collection of WWNs for use by the iSCSI interfaces in a Cisco UCS instance
- B. a collection of Ethernet MAC addresses assigned to the Ethernet adapters in a Cisco UCS instance
- C. a pool of WW port names, where WWPN is the port name assigned to the Fibre Channel port on the adapter
- D. a collection of management IP addresses used to connect to servers
- E. a pool of WW node names, where WWNN belongs to the node

**Answer:** CE

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-3-1/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_3\\_1/UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_3\\_1\\_chapter\\_22.html](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-3-1/b_UCSM_GUI_Configuration_Guide_1_3_1/UCSM_GUI_Configuration_Guide_1_3_1_chapter_22.html)

#### **QUESTION 279**

You configure a service profile template from the Cisco UCS Manager GUI by using the Create Local Disk Configuration Policy option. The No RAID local disk policy mode is selected and the Protect Configuration property is disabled. You create a service profile that is created from the service profile template. You apply the service profile to a server that has an operating system installed on a RAID-10 volume. Which statement about the server after it is associated to the service profile is true?

- A. The server has RAID-0 configured on the local disk.
- B. The server has RAID-1 configured on the local disk.
- C. The server has the local storage detached.
- D. The local disk of the server remains RAID-10.

**Answer:** C

**QUESTION 280**

Which two statements about the maintenance policy configurations available from the Cisco UCS Manager GUI are true? (Choose two.)

- A. A maintenance policy can be defined for the service profile associated to a server and for updating a service profile bound to one or more service profiles.
- B. A maintenance policy is used to configure a nondisruptive upgrade of the Cisco UCS Fabric Interconnects.
- C. A maintenance policy can defer the direct deployment of firmware images for components that use neither the host firmware nor the management firmware packages available in the Cisco UCS Manager, such as fabric interconnects and IOMs.
- D. A maintenance policy can deploy service profile changes immediately, when acknowledged by an admin user or automatically at the time specified in the schedule.
- E. A maintenance policy can be used only to apply nondisruptive service profile changes to servers.

**Answer:** BD

**Explanation:**

[http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_0\\_11110.html#concept\\_3735BFD6DA5A49CF90B1B4EEE6BCBF25](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_0_11110.html#concept_3735BFD6DA5A49CF90B1B4EEE6BCBF25)

**QUESTION 281**

Which three components perform the port extension functions for a Cisco UCS domain? (Choose three.)

- A. the multiprotocol port on the Cisco storage
- B. the Device Manager in Cisco Prime Data Center Network Manager
- C. the Cisco UCS 2208XP IOMs
- D. the Cisco UCS Manager
- E. the Cisco Nexus 2232PP FEX
- F. the Cisco UCS VIC adapter that has VM-FEX and Adapter FEX technology

**Answer:** ACD

**QUESTION 282**

Open the windows by clicking on the minimized at the bottom of the viewing area. Windows can be minimized by clicking on the [X], repositioned by dragging the title bar, and resized by using the handle at the lower right corner to customize the viewing area.

If you are required to access the devices to complete this scenario, the mouse cursor will use a hand symbol when moved over device icons. Clicking the icon will open a device terminal so you can interact with the hardware.

Open the Questions window and begin by clicking a question number. When you have completed answering all questions, click Done to continue.

Scenario

Use your UCS knowledge on Adapter errors .....configurations.

```
UCS-A# scope server 1/5
UCS-A/chassis/server # show adapter detail

Adapter:
Id:2
Product Name: Cisco UCS 82598KR-CI
PID: N20-AI002
VID: V01
Vendor: Cisco Systems Inc.
Serial: QCI132300CC
Revision: 0
Mfg Date: 2009-06-13TCO:00:00.000
Slot: N/A
Overall Status: Operable
Conn Path: A, B
Conn Status: Unknown
Managing Instance: B
Product Description: PCI Express Dual Port 10 Gigabit Ethernet Serv
UCS-A/chassis/server #
```

We are working on which Chassis ID?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

**Answer:** A

**QUESTION 283**

Which UCS components firmware are contained in the UCS Infrastructure software bundle?

- A. UCS BIOS
- B. UCS Fabric Interconnects
- C. UCS Adapters
- D. UCS Manager
- E. IO Module
- F. Cisco IMC

**Answer:** BDE

**QUESTION 284**

The floor-loading capability of a data center is important and will dictate which two of these factors? (Choose two.)

- A. weight of the rack

- B. amount of equipment that can be installed into a certain rack
- C. square footage
- D. HVAC CFM volume

**Answer:** AB

**QUESTION 285**

When designing a data center with Cisco UCS, which of these design criteria can you use to figure maximum server performance?

- A. LUN space expansion
- B. average and peak CPU load
- C. link throughput and utilization
- D. forwarding capacity of the router

**Answer:** B

**QUESTION 286**

Which two growing business demands must an enterprise meet to address shifting business pressure and operational limitations? (Choose two.)

- A. greater collaboration
- B. business cycle efficiency improvements
- C. regulatory compliance
- D. architectural and mechanical specifications

**Answer:** AC

**QUESTION 287**

Which three of these benefits gain by implementing a Cisco Data Center Unified Computing System solution? (Choose three.)

- A. increased throughput
- B. increased storage capacity
- C. improved high availability
- D. better cable management
- E. increased IT staff productivity in just-in-time support and provisioning

**Answer:** ACE

**QUESTION 288**

Which two policies can be configured in a port profile for VM-FEX high-performance mode? (Choose two.)

- A. QoS policy
- B. network control policy
- C. adapter policy
- D. BIOS policy
- E. vNIC connection policy

**Answer:** AC

**QUESTION 289**

Which three options are true regarding port profiles in Cisco UCS Manager? (Choose three.)

- A. Port profiles define operating-system kernel parameters.
- B. Port profiles are represented as a port group in vCenter.
- C. Port profiles can be used by more than one DVS.
- D. Port profile parameters are visible on vCenter.
- E. Port profile parameters can be modified from vCenter.
- F. Port profiles can be modified only from Cisco UCS Manager.

**Answer:** BCF

**QUESTION 290**

Which two options are valid modes for VM-FEX in a Cisco UCS Manager port profile? (Choose two.)

- A. transparent
- B. bypass
- C. standard
- D. advanced
- E. high-performance
- F. low-pass

**Answer:** CE

**QUESTION 291**

Which two elements are defined in a dynamic vNIC connection policy? (Choose two.)

- A. adapter policy
- B. QoS policy
- C. network control policy
- D. number of dynamic vNICs
- E. jumbo frame size

**Answer:** AD

**QUESTION 292**

Which two of the listed BIOS options are required for VM-FEX in high performance mode? (Choose two.)

- A. RSS
- B. interrupt coherency
- C. virtualization technology
- D. cache validation
- E. ATS support

**Answer:** CE

**QUESTION 293**

Which item represents a secure method of transmitting fault data with Cisco Call Home?

- A. IPsec
- B. SSL email
- C. secure XML
- D. Cisco Transport Gateway
- E. RSA Digital Certificate

**Answer:** D

**QUESTION 294**

Which item is required for communication between Cisco Unified Computing System Manager and VMware vCenter?

- A. VeriSign Digital Certificates
- B. RSA Digital Certificates
- C. Cisco Unified Computing System Manager Extension Key
- D. VeriSign Plug-In
- E. WMware vCenter Certificate Services

**Answer:** C

**QUESTION 295**

You have a Cisco Nexus switch in NPV mode. Which technology do you use to enhance load balancing, capacity, and resiliency for the devices FLOGI'd into this switch?

- A. FabricPath
- B. F-port-channel-trunk
- C. Overlay vNIC
- D. FCoE

**Answer:** B

**QUESTION 296**

Which two Cisco UCS C-Series server components are hot-swappable? (Choose two.)

- A. mezzanine card
- B. PCIe slot
- C. internal cooling fan
- D. power supply
- E. memory riser

**Answer:** CD

**QUESTION 297**

Which two features in Cisco UCS Manager can be configured from LAN Uplinks Manager?  
(Choose two.)

- A. vNIC templates
- B. LAN Pin Groups
- C. VLAN groups
- D. adapter policies
- E. link profiles

**Answer:** BC

**QUESTION 298**

Which boot method would you use to boot the OS of a server by using a storage device located on an IP network?

- A. CIMC secure boot
- B. local disk boot
- C. SAN boot
- D. iSCSI boot

**Answer:** D

**QUESTION 299**

You must update your certificates after the name of a Cisco UCS Fabric Interconnect cluster changes.

Which action do you take?

- A. Use the built-in default key ring certificate in Cisco UCS Manager.
- B. Regenerate the certificate manually.
- C. Request a new public-key certificate from the intermediate CA.
- D. Request a new root certificate from the root CA.

**Answer:** C

**QUESTION 300**

Refer to the exhibit. Interface Ethernet 1/30 connects to which type of switch?

```
interface ethernet 1/30
    switchport mode trunk
    switchport trunk allowed vlan 2002
    spanning-tree port type edge trunk

    int vfc 130
        switchport mode NP
        switchport trunk allowed vsan 2002
        bind interface eth 1/16
        no shutdown

vsan database
    vsan 2002 interface vfc 130
```

- A. an FCoE switch that has NPV enabled
- B. a Fibre Channel switch that has NPV enabled
- C. a Fibre Channel switch that has NPIV enabled
- D. an FCoE switch that has NPIV enabled

**Answer:** A

**QUESTION 301**

Which FEX connection mode do you use to pin the server-facing FEX ports to the connected uplink ports when the FEX is discovered?

- A. port channel
- B. soft pinning
- C. hard pinning
- D. vPC

**Answer:** C

**QUESTION 302**

You must secure the default user account in a Cisco UCS domain. Which action do you take?

- A. Set an account password during the initial system setup.
- B. Rename the account.
- C. Delete the account.
- D. Set the account to lock after a specified number of failed attempts.

**Answer:** A

**QUESTION 303**

You are implementing RBAC in Cisco UCS Manager. Which two statements about a locale are true? (Choose two.)

- A. A locale without any organizations provides access to all organizations.
- B. Each locale defines one to four organizations.
- C. A user can be assigned to one or more locales.
- D. Each locale defines one or more roles to which the user is allowed access.
- E. There is a one-to-one relationship between a user and a locale.

**Answer:** AC

**QUESTION 304**

Refer to the exhibit. Which result of implementing the maintenance policy is true?

```
CISCO-A# scope org /
CISCO-A /org # create maint-policy maint
CISCO-A /org/maint-policy* # set reboot-policy user-ack
CISCO-A /org/maint-policy* # set on-next-boot
CISCO-A /org/maint-policy* # set soft-shutdown-timer 300-secs
CISCO-A /org/maint-policy* # commit-buffer
CISCO-A /org/maint-policy *
```

- A. The FSM applies the waiting changes when the host OS resets.
- B. The Cisco UCS server reboots as soon as the change is made to the service profile.
- C. The Cisco UCS server reboots at a scheduled time.
- D. The Cisco UCS server reboots 300 seconds after the policy is applied.

**Answer:** D

**QUESTION 305**

Refer to the exhibit. You bind the service profile to the updating template. You plan to update the template. Which impact on the service profile when you update the template is true?

```
CISCO-FI-A# scope org /
CISCO-FI-A /org* # create service-profile Server1 updating-template
CISCO-FI-A /org/service-profile* # set bios-policy bios
CISCO-FI-A /org/service-profile* # set boot-policy boot
CISCO-FI-A /org/service-profile* # set dynamic-vnic-conn-policy dynamic
CISCO-FI-A /org/service-profile* # set ext-mgmt-ip-state pooled
CISCO-FI-A /org/service-profile* # set host-fw-policy fw1
CISCO-FI-A /org/service-profile* # set identity dynamic-uuid derived
CISCO-FI-A /org/service-profile* # set ipmi-access-profile ipmil
CISCO-FI-A /org/service-profile* # set local-disk-policy local-disk-policy
CISCO-FI-A /org/service-profile* # set maint-policy maint-policy
CISCO-FI-A /org/service-profile* # set mgmt-fw-policy fw-policy
CISCO-FI-A /org/service-profile* # set power-control-policy power
CISCO-FI-A /org/service-profile* # set scrub-policy scrub
CISCO-FI-A /org/service-profile* # set sol-policy sol
CISCO-FI-A /org/service-profile* # set stats-policy stats-policy
CISCO-FI-A /org/service-profile* # set user-label user1
CISCO-FI-A /org/service-profile* # set vcon-policy vcon
```

- A. Changes to the service profile are locked after the profile is created.

- B. The update to the service profile fails.
- C. The service profile must be updated manually.
- D. The service profile is updated automatically.

**Answer:** D

**QUESTION 306**

You are using UCS version 2.4 or later and need to advertise the identity of a server by using LLDP instead of CDP. Which policy in the vNIC template accomplishes this goal?

- A. Ethernet adapter
- B. network control
- C. QoS
- D. LAN connectivity

**Answer:** D

**QUESTION 307**

Which addressing does Cisco UCS Manager use when communicating with Cisco UCS Central?

- A. IP addresses of the UCS Fabric Interconnects
- B. UCS CIMC
- C. VMware ESXi server
- D. IP address of the UCS KVM

**Answer:** A

**QUESTION 308**

Refer to the exhibit. How does a server acquire a UUID?

```
CISCO-FI-A# scope org /
CISCO-FI-A /org/* # create service-profile Server1 updating-template
CISCO-FI-A /org/service-profile* # set bios-policy bios
CISCO-FI-A /org/service-profile* # set boot-policy boot
CISCO-FI-A /org/service-profile* # set dynamic-vnic-conn-policy dynamic
CISCO-FI-A /org/service-profile* # set ext-mgmt-ip-state pooled
CISCO-FI-A /org/service-profile* # set host-fw-policy fw1
CISCO-FI-A /org/service-profile* # set identity dynamic-uuid derived
CISCO-FI-A /org/service-profile* # set ipmi-access-profile ipmil
CISCO-FI-A /org/service-profile* # set local-disk-policy local-disk-policy
CISCO-FI-A /org/service-profile* # set maint-policy maint-policy
CISCO-FI-A /org/service-profile* # set mgmt-fw-policy fw-policy
CISCO-FI-A /org/service-profile* # set power-control-policy power
CISCO-FI-A /org/service-profile* # set scrub-policy scrub
CISCO-FI-A /org/service-profile* # set sol-policy sol
CISCO-FI-A /org/service-profile* # set stats-policy stats-policy
CISCO-FI-A /org/service-profile* # set user-label label
CISCO-FI-A /org/service-profile* # vcon-policy vcon
CISCO-FI-A /org/service-profile* # commit-buffer
```

- A. from the UUID burned into the hardware
- B. from a UUID pool named derived
- C. manually by a user when the server boots
- D. by padding the MAC address with leading zeros

**Answer:** A

**QUESTION 309**

Refer to the exhibit. Which result of configuring ServiceProfile 1 is true?

```
CISCO-FI-A# scope org /  
CISCO-FI-A /org/* # create service-profile ServiceProfile1 updating-template  
CISCO-FI-A /org/service-profile* # set bios-policy bios  
CISCO-FI-A /org/service-profile* # set boot-policy boot  
CISCO-FI-A /org/service-profile* # set dynamic-vnic-conn-policy dynamic  
CISCO-FI-A /org/service-profile* # set ext-mqmt-ip-state pooled  
CISCO-FI-A /org/service-profile* # set host-fw-policy fw1  
CISCO-FI-A /org/service-profile* # set identity dynamic-uuid derived  
CISCO-FI-A /org/service-profile* # set ipmi-access-profile ipmil  
CISCO-FI-A /org/service-profile* # set local-disk-policy local-disk-policy  
CISCO-FI-A /org/service-profile* # set maint-policy maint-policy  
CISCO-FI-A /org/service-profile* # set mqmt-fw-policy fw-policy  
CISCO-FI-A /org/service-profile* # set power-control-policy power  
CISCO-FI-A /org/service-profile* # set scrub-policy scrub  
CISCO-FI-A /org/service-profile* # set sol-policy sol  
CISCO-FI-A /org/service-profile* # set stats-policy stats-policy  
CISCO-FI-A /org/service-profile* # set user-label user1  
CISCO-FI-A /org/service-profile* # set vcon-policy vcon  
CISCO-FI-A /org/service-profile* # commit-buffer  
CISCO-FI-A /org/service-profile
```

- A. It upgrades the firmware immediately.
- B. It restricts editing of ServiceProfile 1 to the members of the user 1 group.
- C. It associates the fw 1 firmware policy to ServiceProfile 1.
- D. It sets the firewall policy on the host to fw 1.

**Answer:** D

**QUESTION 310**

Which scripting tool encodes a CLI in the body of an HTTP post method?

- A. Bash
- B. NX-API
- C. Broadcom Shell
- D. Python-API

**Answer:** B

**QUESTION 311**

You must implement a Dynamic FCoE topology that uses ECMP. Which ancillary technology do you use?

- A. OTV
- B. VXLAN
- C. FabricPath
- D. EIGRP

**Answer:** C

**QUESTION 312**

A network administrator has configured all required settings for the Smart Call Home feature in Cisco UCS. What must be done next?

- A. Open a TAC case to verify contract information and start the registration process.
- B. Generate a fault to initiate a message that will start the registration process.
- C. The system automatically starts the registration process and no further action is required.
- D. Send a system inventory message to start the registration process.

**Answer:** D

**QUESTION 313**

Which solution enables Cisco devices to be monitored with automated support capabilities?

- A. Cisco Intelligent Monitoring Agent
- B. Smart Call Home
- C. Smart Bonding Service
- D. Connected Service Assurance

**Answer:** B

**QUESTION 314**

Which option is a prerequisite when implementing iSCSI boot?

- A. The OS must be iBFT compatible.
- B. The boot parameters must be configured in the Global boot policy.
- C. There are no licensing requirements for the storage array.
- D. Each iSCSI initiator must be on the same IP subnet.

**Answer:** A

**QUESTION 315**

Refer to the exhibit. Which result of the configuration is true?

```

Cisco-1 # scope chassis
cisco-1 /chassis # show adapter
cisco-1 /chassis # scope adapter 2
cisco-1 /chassis/adapter # scope host-eth-if eth0
cisco-1 /chassis/adapter/host-eth-if # create usnic-config 0
cisco-1 /chassis/adapter/host-eth-if/usnic-config *# set usnic-count 32
cisco-1 /chassis/adapter/host-eth-if/usnic-config *# set tq-count 5
cisco-1 /chassis/adapter/host-eth-if/usnic-config *# set cq-count 5
cisco-1 /chassis/adapter/host-eth-if/usnic-config *# set rq-count 5
cisco-1 /chassis/adapter/host-eth-if/usnic-config *# commit
Committed settings will take effect upon the next server reset
cisco-1 /chassis/adapter/host-eth-if/usnic-config # exit
cisco-1 /chassis/adapter # exit
cisco-1 /chassis # exit
cisco-1 # exit
cisco-1 # scope bios
cisco-1 /bios # scope advanced
cisco-1 /bios/advanced # set IntelVTD Enabled
cisco-1 /bios/advanced *# set ATS Enabled*
cisco-1 /bios/advanced *# set CoherencySupport Enabled
cisco-1 /bios/advanced *# commit
Changes to BIOS set-up parameters will require a reboot.
Do you want to reboot the system? [y|N]y
A system reboot has been initiated.

```

- A. The usNIC replaces any vNICs in the server.
- B. The kernel is bypassed when sending networking packets.
- C. Device-specific DMA translations are cached on the fabric interconnect only
- D. All network traffic goes to the OS kernel directly.

**Answer:** A

### QUESTION 316

Refer to the exhibit. Which description of the result is true?

```

UCS-A# scope eth-traffic-mon
UCS-A /eth-traffic-mon # scope fabric a
UCS-A /eth-traffic-mon/fabric # create eth-mon-session EthMonitor10
UCS-A /eth-traffic-mon/fabric/eth-mon-session* # create dest-interface 1 9
UCS-A /eth-traffic-mon/fabric/eth-mon-session/dest-interface* # set speed 40gbps
UCS-A /eth-traffic-mon/fabric/eth-mon-session/dest-interface* # commit-buffer

```

- A. An Ethernet monitoring session was created where traffic may be copied and forwarded to slot 1 port 9 for analysis.
- B. An Ethernet monitoring session was created, activated and committed.
- C. Ethernet traffic from slot 9 port 1 will be copied and forwarded to the destination SPAN port for analysis.
- D. Ethernet traffic from slot 1 port 9 will be copied and forwarded to the destination SPAN port for analysis.

**Answer:** A

### QUESTION 317

You have a Cisco FabricPath network. You must implement vPC+ for a downstream switch. Which three actions should you perform? (Choose three.)

- A. Configure the switch ID on the peer switches.

- B. Establish a peer link between the peer switches.
- C. Configure the downstream switch to use PAgP on EtherChannel.
- D. Connect the downstream switch to a 10-Gb port.
- E. Configure the upstream switch to use PAgP on EtherChannel.
- F. Configure a peer keepalive between the peer switches.

**Answer:** ABC

**QUESTION 318**

Refer to the exhibit. Which option is the expected outcome on the configured switch?

```
switch(config)# snmp-server user all enforcePriv
```

- A. The switch enforces SNMP message encryption for the user all.
- B. SNMP requires encryption for all incoming requests.
- C. The switch enforces SNMP message encryption for all users.
- D. The switch responds with an authorization error for any SNMPv3 PDU requests that use a security level parameter of authNoPriv.

**Answer:** C

**QUESTION 319**

Which statement is true regarding backup operations in Cisco UCS Manager?

- A. A user can perform incremental backups of a system configuration.
- B. Passwords and other sensitive information are encrypted in full state backups.
- C. Scheduled backups are not available.
- D. Each backup destination can have multiple backup operations.

**Answer:** B

**QUESTION 320**

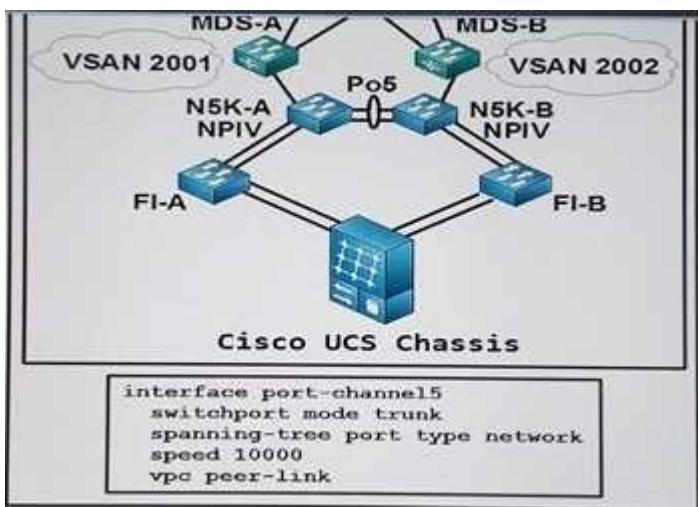
What is the Overlay Transport Virtualization site VLAN used for?

- A. to allow multiple site AEDs to communicate with each other
- B. to detect devices at the site that are not capable of OTV
- C. to facilitate communications between OTV edge devices within the site
- D. to allow the join interfaces at different sites to communicate

**Answer:** C

**QUESTION 321**

Refer to the exhibits. The blade server has two HBAs. How many WWPN targets on VSAN 2001 are accessible to the blade server?



- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** D

#### QUESTION 322

Which two Cisco UCS components require drivers? (Choose two.)

- A. FNIC
- B. BIOS
- C. CIMC
- D. board controller
- E. ENIC

**Answer:** AE

#### QUESTION 323

You have server that has a Cisco UCS CAN. A service profile that has a vNIC and a VHBA is mapped to fabric A.

The vNIC is configured to use VLAN 10. VLAN 10 is the native VLAN for the vNIC. The vHBA is configured to use VSAN 2.

Which description of the configuration is true?

- A. VSAN 2 can be configured by using VLAN 10 as the FCoE VLAN ID.
- B. VSAN 2 can read traffic on VLAN 5.
- C. VLAN 10 and VSAN 2 must use the same ID.
- D. VSAN 2 can be mapped to their VLANs in fabric A.

**Answer:** A

#### QUESTION 324

To provide stronger authentication for Cisco UCS manager, You are installing a third-party certificate from a trusted point. Which format must the certificate be in?

- A. DER
- B. PEM
- C. CRT
- D. CER (x.509)

**Answer:** D

**Explanation:**

Trusted Points

To provide stronger authentication for Cisco UCS Manager, you can obtain and install a third-party certificate from a trusted source, or trusted point, that affirms the identity of your device. The third- party certificate is signed by the issuing trusted point, which can be a root certificate authority (CA) or an intermediate CA or trust anchor that is part of a trust chain that leads to a root CA. To obtain a new certificate, you must generate a certificate request through Cisco UCS Manager and submit the request to a trusted point.

**Important:**

The certificate must be in Base64 encoded X.509 (CER) format.

### QUESTION 325

Refer to the exhibit. Which two action do you perform on the remote switch before you run the commands? 9Choose two)

```
CISCO-A# scope fc-uplink
CISCO-A# /fc-uplink # scope fabric-a
CISCO-A# /fc-uplink/fabric # create port-channel 8
CISCO-A# /fc-uplink/fabric/port-channel* # enable
CISCO-A# /fc-uplink/fabric/port-channel* # set name pc_8
CISCO-A# /fc-uplink/fabric/port-channel* # set speed 8gbps
CISCO-A# /fc-uplink/fabric/port-channel* # commit-buffer
CISCO-A# /fc-uplink/fabric/port-channel* #
```

- A. Configure a minimum of eight links in the port channel.
- B. Configure the remote switch to use NPIV mode.
- C. Set port channel mode to on.
- D. Configure the remote switch for NPV.
- E. Enable the port-channel-trunk feature.

**Answer:** AD

### QUESTION 326

Refer to the exhibit, which scripting tool do you use to create the script?

```
>>> from cli import *
>>> cli("configure terminal : interface ethernet 1/2")
'
>>> r = cli('where detail') : print r
mode:
username:           guest
vdc:                ADMIN
routing-context vrf: default
>>>
```

- A. Python-API
- B. Bach
- C. NX-API
- D. Broadcom shell

**Answer:** A

**QUESTION 327**

Which two statements about service profile configuration option in the Cisco UCS Manager GUI are true? (Choose two.)

- A. It can be configured by using the chassis connectivity policy.
- B. it can be derived from the chassis discovery policy.
- C. it can be generated automatically from the service profile template.
- D. it can be configured by cloning a virtual machine profile
- E. it can be derived from the initial template or the updating template.

**Answer:** DE

**QUESTION 328**

Refer to the exhibit. Interface Ethernet 1/30 connects to which of switch?

```
interface ethernet 1/30
switchport mode trunk
switchport trunk allowed vlan 2002
spanning-tree port type edge trunk

int vfc 130
switchport mode NP
switchport trunk allowed vsan 2002
bind interface eth 1/16
no shutdown

vsan database
vsan 2002 interface vfc 130
```

- A. a Fibre Channel switch that has NPV enabled

- B. an FCoE switch that has NPV enabled
- C. an FCoE switch that has NPV enabled
- D. a Fibre Channel switch that has NPV enabled

**Answer:** C

**QUESTION 329**

Which description of an import operation in Cisco UCS Manager is true?

- A. You can choose to merge or replace the existing UCS configuration during an import.
- B. You can import only a configuration file that was exported from the same Cisco UCS Manager.
- C. You can import a configuration from a higher release to a lower release.
- D. You can schedule an import operation.

**Answer:** B

**QUESTION 330**

Refer to the exhibit. Which port is used for communication between the server and the Cisco Integrated management Controller?

```
cisco# scope cimc
cisco /cimc # scope network
cisco /cimc/network #set mode dedicated
cisco /cimc/network *# commit
cisco /cimc/network #
```

- A. port on the adapter card
- B. management Ethernet port
- C. LAN on the motherboard port
- D. fabric uplink port

**Answer:** C

**QUESTION 331**

Which solution enables Cisco devices to be monitored with automated support capabilities? A Cisco Intelligent Monitoring Agent

- A. Cisco Intersight
- B. connected Service Assurance
- C. Two-Tier Smart Agent

**Answer:** B

**QUESTION 332**

Which two tasks can you perform from Cisco UCS Manager? (Choose two.)

- A. Configure or manage external storage on the SAN.
- B. Deploy an operating system.
- C. Configure San PIN groupsS
- D. Configure QoS classes and definitions.
- E. Restart an Oracle database.

**Answer:** CD

**QUESTION 333**

Which Cisco UCS backup type results in an XML file that include all system and logical configuration settings?

- A. system configuration
- B. all configuration
- C. full state
- D. logical configuration

**Answer:** B

**QUESTION 334**

You are configuring RBAC on a Cisco UCS system.

What happens when you assign multiple locales to user?

- A. Access to denied to all organizations.
- B. Access is granted to only the first organization that is specific in the locales.
- C. access is granted to only the first organization that is specified in the locales.
- D. Access is granted to all organizations that are specifications in the locales.

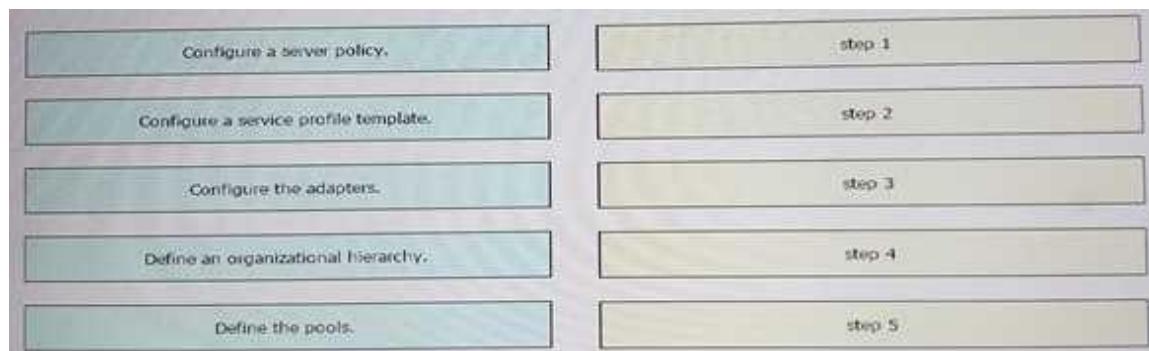
**Answer:** D

**QUESTION 335**

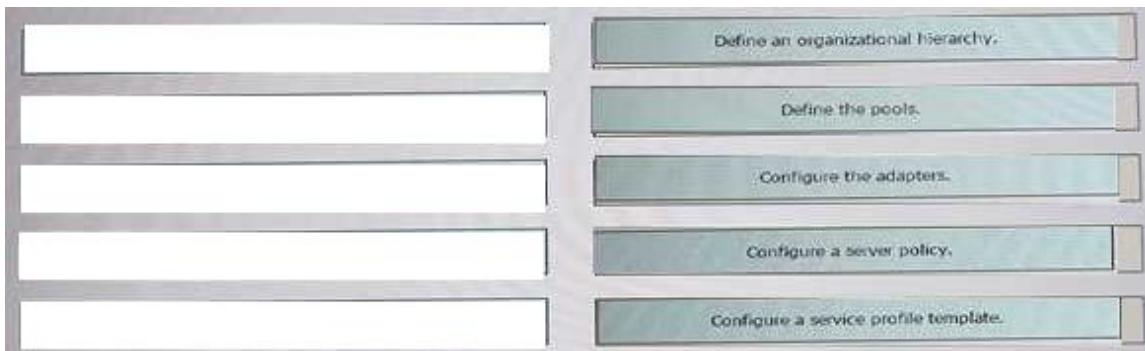
Drag and Drop Question

You must define a workload using Cisco UCS Manager.

Drag and drop the workload definition tasks from the left into the correct order on the right.



**Answer:**


**Explanation:**

Define organizational hierarchy  
 Define Pools  
 Configure Adapters  
 Configure Server Policies  
 Configure Service Profile Templates

**QUESTION 336**

Drag and Drop Question

You are configuring a Cisco UCS port channel.

Drag and drop the description from the left onto the correct port channel types on the right.

carries traffic over an Ethernet port channel  
 can be set to admin speeds of Auto, 4Gbps, 8Gbps, or 16Gbps  
 requires that channel mode is set to active on an upstream NPIV switch  
 uses a VFC that is created internally by Cisco UCS Manager

**Fibre Channel Port Channel**


**FCoE Port Channel**


**Answer:**

Fibre Channel Port Channel

can be set to admin speeds of Auto, 4Gbps, 8Gbps, or 16Gbps

requires that channel mode is set to active on an upstream NPIV switch

FCoE Port Channel

carries traffic over an Ethernet port channel

uses a VFC that is created internally by Cisco UCS Manager

**QUESTION 337**

You plan to register a Cisco UCS domain to a Cisco UCS Central system UCS Central with determine the policy configuration. Which policy resolution mode must you use when you register the UCS domain?

- A. Global
- B. Private
- C. Local
- D. Central

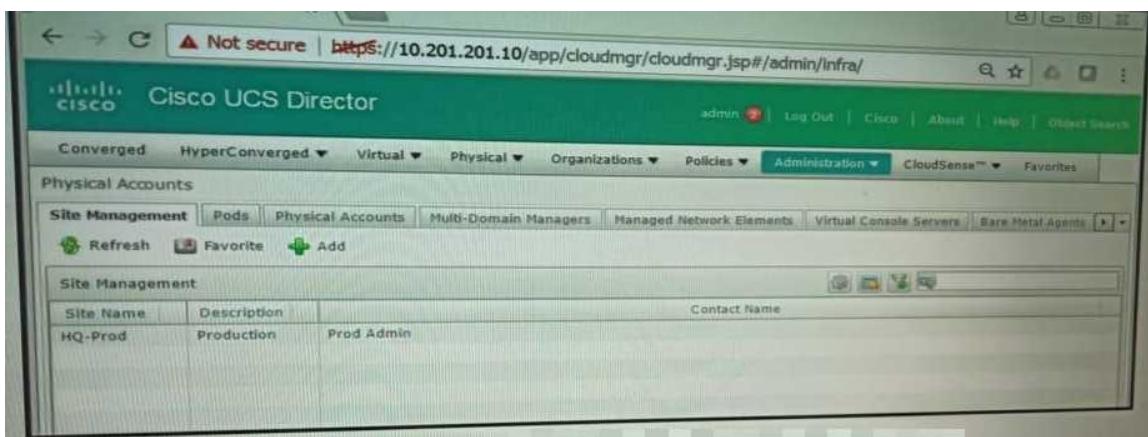
**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/2-2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2/registering\\_cisco\\_ucs\\_domains\\_with\\_cisco\\_ucs\\_central.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/registering_cisco_ucs_domains_with_cisco_ucs_central.pdf)

**QUESTION 338**

Refer to the Exhibit. You are integrating Cisco UCS Director with the ACI fabric. Where do you create the account type?



- A. Pods
- B. Managed Network Elements
- C. Multi-Domain Managers
- D. Bare Metal Agents

**Answer:** C

#### QUESTION 339

Which statement about RBAC locates in a Cisco UCS system is true?

- A. Locales are user environment settings such as currency, language, time, and date format
- B. Locales are groups of organizations that are tied to users for authorization purposes
- C. AAA users are called locales in a local database for AAA
- D. Locales are user settings in local and external user databases for AAA

**Answer:** B

#### QUESTION 340

For which reason would a user choose UEFI boot over Legacy mode?

- A. To support multiple GPU cards
- B. For checksum verification of the EFI shell
- C. To support 4k boot drives.
- D. To reduce BIOS POST times

**Answer:** B

#### QUESTION 341

Which of the Mowing do you use to update the board controller firmware?

- A. local disk
- B. infrastructure firmware
- C. server pool
- D. host firmware package

**Answer:** D

**QUESTION 342**

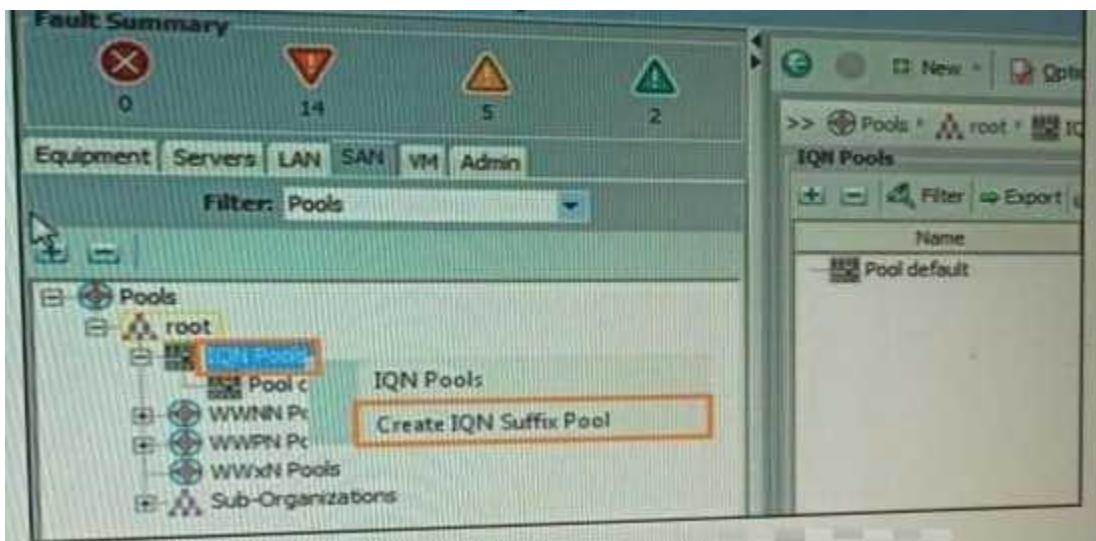
You are disassociating a service profile from a server. You must associate the service profile to another server. Which two pokes in the service profile can prevent the service profile from being associated to a different server? (Choose two.)

- A. server pool policy qualification
- B. LAN connectivity
- C. SAN connectivity
- D. power management
- E. maintenance

**Answer:** AE

**QUESTION 343**

Refer to the Exhibit. Which two components are needed to create an IQN suffix pool?



- A. description
- B. iSCSI vNIC
- C. prefix
- D. IQN block
- E. initiator IP address

**Answer:** BE

**QUESTION 344**

Which two of the following are prerequisites when configuring a server to use SAN boot? (Choose two.)

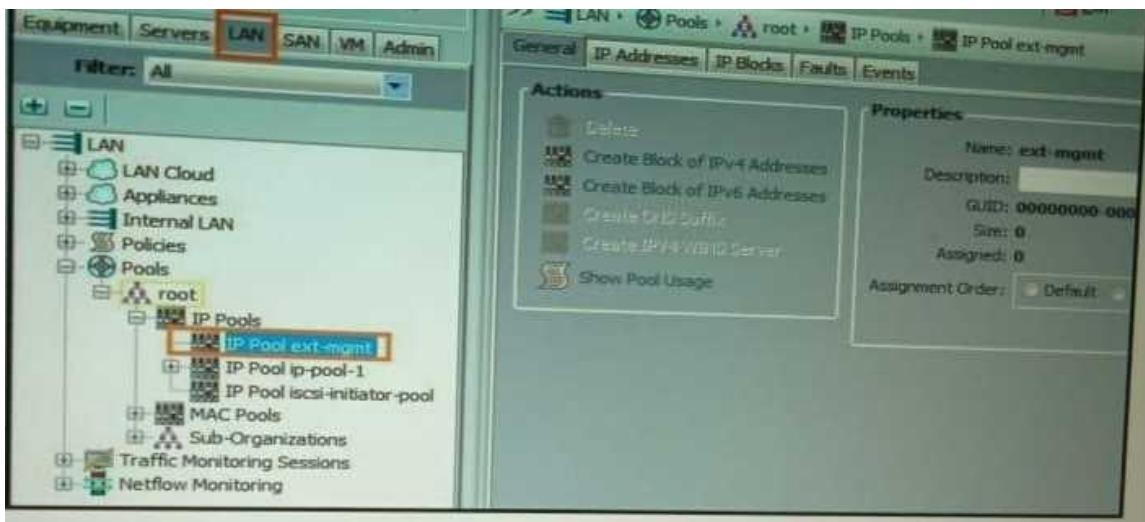
- A. A virtual media device must be accessible from the server
- B. The global boot policy must be attached to a service profile template.

- C. The local disk must be the primary disk in the boot order.
- D. A boot LUN must contain an installation of an operating system
- E. The Cisco UCS domain and the SAN storage device must be able to communicate

**Answer:** BE

#### QUESTION 345

Refer to the exhibit. Which action do you take to ensure that the IP addresses in IP pool ext-mgmt are selected in a random order?



- A. Select the Default option in the Assignment Order property
- B. Delete all the IP pools except for IP pool ext-mgmt
- C. Add another block to IP pool ext-mgmt
- D. Select a pool size that is larger than 0

**Answer:** C

#### QUESTION 346

Which statement about the use of RBAC roles in a Cisco UCS system is true?

- A. RBAC roles define which features are enabled on a Cisco UCS system
- B. RBAC roles create groups of organizations
- C. RBAC roles create groups of local users
- D. RBAC roles define which features users can access.

**Answer:** A

#### QUESTION 347

You are connecting a Fibre Channel storage array to Cisco UCS. What is a prerequisite to configuring Fibre Channel traffic?

- A. The VSAN requires a dedicated FCoE VLAN
- B. The VSAN ID must match the FCoE VLAN ID

- C. The VSAN ID must differ from the VLAN ID
- D. The VLANs and the FCoE VLANs can have the same ID

**Answer:** D

**QUESTION 348**

Which Cisco solution addresses the challenge of managing multiple large-scale Cisco UCS domains by providing streamlined management of up to 10.000 servers across hundreds of sites?

- A. Cisco UCS Central
- B. Cisco UCS Director
- C. Cisco UCS Domain Manager
- D. Cisco UCS Manager

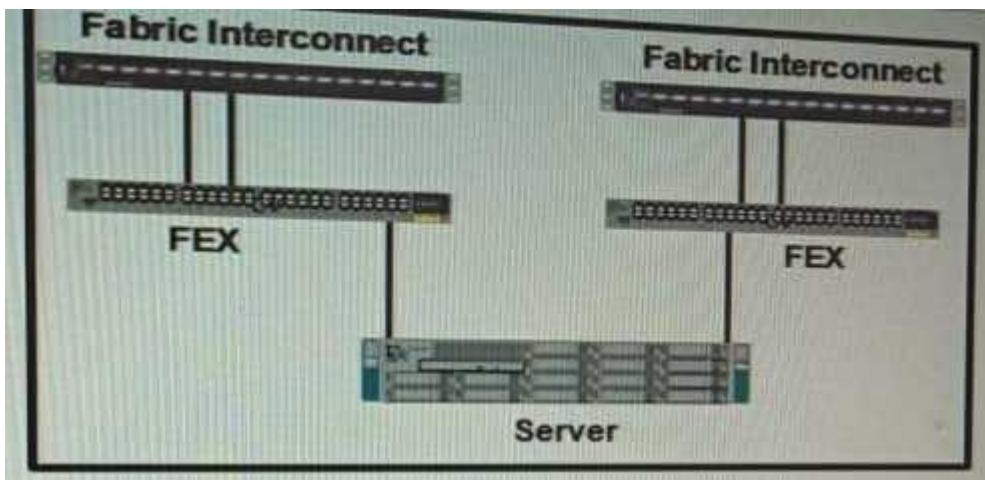
**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-central-software/data\\_sheet\\_c78-717193.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-central-software/data_sheet_c78-717193.html)

**QUESTION 349**

Refer to the exhibit .Which type of connectivity is used to integrate the server into the Cisco UCS domain?



- A. direct connect mode cluster
- B. direct connect mode non-cluster
- C. Single Connect cluster
- D. single-wire non-cluster

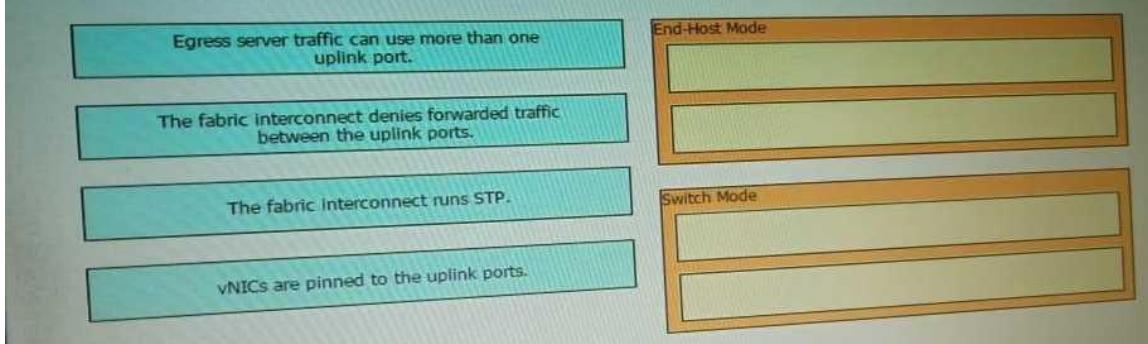
**Answer:** A

**QUESTION 350**

Drag and Drop Question

Drag and drop the fabric interconnect characteristics on the left to the correct Ethernet switching modes on the right.

Drag and drop the fabric interconnect characteristics on the left to the correct Ethernet switching modes on the right.



**Answer:**

Drag and drop the fabric interconnect characteristics on the left to the correct Ethernet switching modes on the right.

