

Cisco

Exam Questions 300-460

Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF)



NEW QUESTION 1

Which option lists the number of segments that are supported by VxLAN as standardized in RFC7348 and the number of bytes of overhead that are added to the original frame?

- A. 1 million; 50
- B. 16 million; 50
- C. 1 million; 48
- D. 16 million; 48

Answer: B

Explanation:

Reference: <https://tools.ietf.org/html/rfc7348>

NEW QUESTION 2

An engineer is creating WWPN pools to use for vHBAs. Which WWPN must the engineer use?

- A. 20:00:20:25:B5:XX:XX:XX
- B. 20:XX:XX:25:B5:00:00:00
- C. 10:00:00:25:B5:XX:XX:XX
- D. 20:00:00:25:B5:XX:XX:XX

Answer: D

Explanation:

Reference: https://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_chapter22.pdf

NEW QUESTION 3

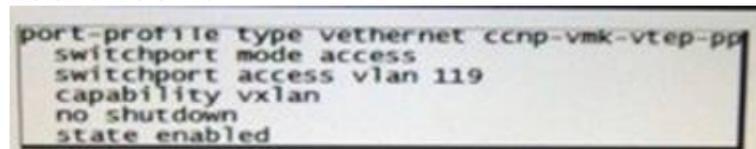
Which three options does the Cisco UCS Manager boot policy determine? (Choose three.)

- A. initiator port range
- B. selection of the boot device
- C. location from which the server boots
- D. initiator and target ports
- E. global boot device priority
- F. order in which boot devices are invoked

Answer: BCF

NEW QUESTION 4

Refer to the exhibit.



```
port-profile type vethernet ccnp-vmk-vtep-pp
switchport mode access
switchport access vlan 119
capability vxlan
no shutdown
state enabled
```

Which three commands complete the configuration for this Cisco Nexus 1000V port profile that is assigned to a vmkernel used for L3 VSM control plane? (Choose three.)

- A. service-policy type qos output vmk-control
- B. vmware port-group
- C. system vlan 119
- D. capability 13control
- E. switchport mode trunk
- F. mtu 9000
- G. switchport 12control

Answer: BCD

NEW QUESTION 5

An architect must choose a VXLAN architecture that utilizes hardware-based VXLAN adapters. Which type of architecture must be selected?

- A. Layer 3
- B. NSX
- C. ACI
- D. Layer 2

Answer: C

NEW QUESTION 6

An engineer must ensure that all VXLAN and VTEP processes are kept on purpose-built hardware to ensure that all overlay functions are as fast as possible. In which solution is all VXLAN and VTEP decision making moved to the hardware, versus potentially slower software control?

- A. Layer 3
- B. ACI

- C. NSX
- D. Layer 2

Answer: A

NEW QUESTION 7

A Cisco UCS Director administrator is installing a Bare Metal Agent and is in the process of adding an NFS mount point. Which Administration menu option does the administrator choose to add an NFS mount point?

- A. Compute Accounts
- B. Storage Accounts
- C. Physical Accounts
- D. Bare Metal Accounts

Answer: C

NEW QUESTION 8

A Cisco UCSM administrator has been tasked with deploying a new data center. Which two recommendations aid in the ability to associate a service with a server? (Choose two.)

- A. The host control setting for a QoS policy applies to vNICs only
- B. It has no effect on a vHBA.
- C. You can assign only a QoS policy to a vHBA if the priority setting for that policy is set to fc, which represents the Fibre Channel system class.
- D. The host control setting for a QoS policy applies to vHBAs only.
- E. Power capping is supported for rack server
- F. If you include a power control policy in a service profile that is associated with a rack-mount server, the policy is implemented.

Answer: BD

NEW QUESTION 9

A Cisco UCS Director administrator is creating a VSAN. Which two types of VSANs are available? (Choose two.)

- A. storage cloud
- B. storage hybrid
- C. SAN cloud
- D. SAN

Answer: CD

NEW QUESTION 10

A Cisco UCS blade has just failed. To ensure that the replacement blade can reach Fibre Channel storage, which action must the server administrator take?

- A. Zone the SAN fabric for the new WWPNs.
- B. Reconfigure LUN masking on the storage array.
- C. Insert the blade into the same chassis and slot.
- D. Create a new zoning policy within Cisco UCS Manager.
- E. Move the old service profile onto the new hardware.

Answer: C

NEW QUESTION 10

An administrator is installing a hypervisor on a Cisco USB B-Series Blade Server. In which three locations can the OS image be installed in Cisco UCSM? (Choose three.)

- A. local disk
- B. CD-ROM
- C. PXE
- D. LAN boot
- E. SAN
- F. USB

Answer: ACE

Explanation:

Reference: 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_chapter25.pdf

NEW QUESTION 13

Which vCenter authentication service secures the VMware Cloud infrastructure platform?

- A. authentication directory service
- B. vCenter cloud infrastructure service
- C. single sign-on
- D. secure token

Answer: C

NEW QUESTION 14

An engineer has two Windows hosts and a Fibre Channel storage array that are connected to a Cisco MDS 9148 Multilayer Fabric Switch. The engineer needs to add a new ESXi host to the Fibre Channel storage array.

The engineer creates a new zone and zoneset with the ESXi host pWWN and the storage pWWN and then activates the new zoneset. All the Windows hosts immediately lose storage access.

Which option describes the most likely cause of the problem?

- A. A zoning conflict occurred which disconnected the Windows hosts from the storage.
- B. The new zoneset deactivated the existing zoneset.
- C. The existing zoneset was deleted when the new zoneset was activated.
- D. The storage array does not support different operating system hosts.

Answer: A

NEW QUESTION 18

Cisco USB Director provides many tools to help diagnose and resolve common problems. Which option describes the purpose of the Cisco UCS Director Shell tool?

- A. to execute JavaScript functions and to define variables and functions, when using cloupia scripts
- B. to troubleshoot problems related to service request workflow execution
- C. to view product support information
- D. to troubleshoot problems related to various administrative tasks such as connectivity, configuration, and status

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/shell-guide/6-5/ciscoucs-director-shell-guide-65/cisco-ucs-director-shell-guide-65_chapter_011.html

NEW QUESTION 22

A Cisco UCS Director administrator is viewing the status of his pod on the Virtual > Compute tab. Which three tabs are available under this menu? (Choose three.)

- A. VMs
- B. VM Chargeback
- C. Service Requests
- D. VM Reservations
- E. Resource Pools
- F. vDCs

Answer: AEF

NEW QUESTION 23

An engineer is configuring two new Cisco UCS domains that are connected to the same network and SAN infrastructure. What must the engineer do to configure MAC pools and WWPN pools?

- A. Configure UCS 1 pool addresses and extend the pools to UCS 2.
- B. Configure different pool addresses for each Cisco UCS domain.
- C. Configure shared pool addresses for each Cisco UCS domain.
- D. Configure the same pool addresses for each Cisco UCS domain.

Answer: C

NEW QUESTION 26

In Cisco UCSM, which two options describe the purpose of a service profile template? (Choose two.)

- A. With a service profile template, you can quickly create several service profiles with the same basic parameters, such as the number of vNICs and vHBAs, and with identify information drawn from the same pools.
- B. A service profile template parameterizes the UIDs that differentiate one instance of an otherwise identical server from another.
- C. Templates can be categorized into two types: initial and updating.
- D. When using an initial service profile template, changes to the initial template automatically propagate to the bound service profiles.
- E. Service profiles created from an updating service profile template do not inherit all the properties of the template and remain connected to the template.
- F. Any changes to the template must be propagated manually to the service profiles that are created from the template.

Answer: AB

NEW QUESTION 29

Which three operations can a cloud administrator perform when using the vSphere Client configuration tab? (Choose three.)

- A. View the processor and memory configuration of the ESX host
- B. Configure the host as NTP client
- C. Configure datastore backups
- D. Configure zoning
- E. View target initiators and zones
- F. Configure the primary/secondary DNS server
- G. configure masking

Answer: ABF

NEW QUESTION 30

Which two fields are needed for a Cisco UCS Director administrator to configure a WWN block? (Choose two.)

- A. the first WWNN or WWPN address in the block
- B. the WWN for the initiator
- C. a unique name for the initiator
- D. a unique name for the block
- E. the number of WWN or WWPN addresses in the block

Answer: AE

NEW QUESTION 34

Refer to the exhibit.

Fabric ID: B								
Path ID: 1	VNIC	Link State	Oper State	Fyot State	Fyot Role	Admin Pth	Oper Pth	Transprot
795	eth0	Up	Active	Passive	Backup	0/0	0/0	Ether
798	eth2	Up	Active	Active	Backup	0/0	0/11	Ether
800	eth3	Up	Active	Active	Primary	0/0	0/0	Ether
802	eth3	Up	Active	No protection	Unprotected	0/0	0/1	Ether
804	fc1	Up	Active	No protection	Unprotected	0/0	2/1	Fc
8897	Error	Error	Error	Error	Error	0/0	0/0	Ether
9303	1	Up	Active	No protection	Unprotected	0/0	0/0	Ether

Cisco UCS Fabric interconnect A and B have identical uplink configurations. Which option describes the problem of Fabric interconnect A?

- A. Ethernet0/11 on Fabric interconnect A is down.
- B. The IOM on Fabric interconnect A was rebooted.
- C. FC2/1 on Fabric interconnect A is unplugged or has been replaced with a GLC-T.
- D. Fabric interconnect A is powered off.

Answer: C

NEW QUESTION 35

An engineer needs to PXE boot a Cisco UCS server. To do this, which configuration is required in the service profile?

- A. LAN boot
- B. NIC boot
- C. PXE boot
- D. Remote boot

Answer: A

Explanation:

Reference: https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter28.html#task_75111BA2FE684720BC20C2E63DB_9B374

NEW QUESTION 40

A data center admin is trying to use a template to deploy a new Cisco UCS service profile, but finds that the WWPN pool has been exhausted. How can this issue be resolved without changing the service profile template?

- A. Edit the existing WWPN pool and add a new block of addresses.
- B. Create a new WWPN pool using the same name and an address range that start where the previous pool ended.
- C. Edit the existing WWPN pool and expand the existing block of addresses.
- D. Create a new WWPN pool using a different name and an address range that start where the previous pool ended.

Answer: B

NEW QUESTION 43

Which four fields are needed when creating a WWPN pool in Cisco UCS Director? (Choose four)

- A. the first and last WWPN address in the block
- B. the number of WWPN addresses in the block
- C. a unique name for the initiator
- D. the first WWPN address in the block
- E. the WWN for the initiator
- F. a unique name for the pool
- G. the last WWPN address in the block
- H. a description for the pool

Answer: ABFH

Explanation:

Reference: 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_011001.html#task_8717496137259896828

NEW QUESTION 45

Which configuration provides the highest performance level to Virtual Extensible LAN?

- A. VxLAN in unicast mode with VxLAN TSO offload in Cisco UCS
- B. VxLAN in multicast mode with MAC distribution
- C. VxLAN in multicast mode with VxLAN TSO offload in Cisco UCS
- D. VxLAN in unicast mode with MAC distribution and VxLAN TSO offload in Cisco UCS

Answer: C

NEW QUESTION 46

You have been asked to configure a virtual fiber channel interface. Which information is needed to complete this task?

- A. Fibre Channel ID and VSAN database key
- B. VSAN ID and Fibre Channel interface
- C. active zoneset and VSAN ID
- D. VLAN ID, VSAN ID, and Ethernet interface number

Answer: B

Explanation:

Reference: Check section "Creating a VFC" of the link; http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/network-devices-mgmt-guide/b_Network_Devices_Management_Guide/b_Network_Devices_Management_Guide_chapter_01001.html

NEW QUESTION 50

A cloud engineer is implementing a new cloud infrastructure with the following equipment: One Cisco UCS 5108 AC2 B-Series Chassis
Two Cisco Nexus 5000 Series Switches Two Cisco UCS 6248 Fabric Interconnects One Cisco UCS 2208XP Fabric Extender Eight Cisco B200 M4 half-width blades

Which option describes the most likely problem with this deployment?

- A. The half-width blades are not compatible with the chassis.
- B. One additional fabric interconnect is needed, because the chassis can handle only six half-width blades.
- C. Two additional fabric interconnects are needed to handle all four blade servers.
- D. An additional fabric extender is needed.

Answer: D

NEW QUESTION 55

An engineer must install ESXi on a Cisco UCS B-Series Server that needs access to three existing distributed virtual switches. The ESXi host must use HA redundant links to connect to all three switches. How many vNICs are required in the service profile template for this server?

- A. 3
- B. 4
- C. 2
- D. 6
- E. 5

Answer: D

NEW QUESTION 58

An engineer is configuring a vNIC template. Under which circumstance do they want to disable vNIC fabric failover?

- A. The Cisco UCS domain is running in Ethernet switch mode.
- B. A named VLAN already exists.
- C. The VLAN pin group has been created.
- D. The statistics threshold policy has already been set.

Answer: A

Explanation:

Reference: 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_010100.html

NEW QUESTION 61

An engineer needs to make changes to a service profile that is bound to a service profile template. The service profile is associated to a production server that is online. Which statement describes what occurs when the engineer clicks the "unbind" option?

- A. The service profile unbinds from the template, and the server shuts down automatically.
- B. Cisco UCS Manager requests the server to shut down so that the service profile can unbind.
- C. Cisco UCS Manager requests the service profile to be disassociated from the server so that the service profile can unbind.
- D. The service profile unbinds from the template, and the server remains online.

Answer: D

Explanation:

Reference: <https://supportforums.cisco.com/t5/unified-computing-system/disassociate-service-profile-fromserver/td-p/2785270>

NEW QUESTION 64

What does the Auto Deploy function of an ESXi host rely on?

- A. DNS
- B. PXE
- C. DHCP
- D. SCP

Answer: B

Explanation:

Reference: <http://blogs.vmware.com/vsphere/2013/03/auto-deploy-stateless-caching-stateless-caching-andnetwork-isolated-hosts.html>

NEW QUESTION 66

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