Cisco

Exam Questions 300-460

Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF)

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NEW QUESTION 1
An engineer is installing ESXi on a new Cisco UCS Blade Server and wants all the required drivers for the server to automatically load during the installation of ESXi. Which image must the engineer use to accomplish this?

A. Cisco Custom ESXi ISO
B. VMware Custom ESXi ISO
C. VMware ESXi ISO with an integrated Cisco bundle
D. Cisco Custom ESXi .vib

Answer: A

NEW QUESTION 2
Which option describes a function of a target in Storage Area Networking?

A. starts a connection over the fabric to one or more ports
B. delivers storage volumes to the initiators from the storage system
C. provides a storage network consisting of one or more Fibre Channel switches
D. consumes storage volumes using a host bus adapter

Answer: B

NEW QUESTION 3
Which two statements about management IP pools in Cisco UCS Manager are true? (Choose two.)

A. The number of IP addresses in the pool is not required when creating management IP pools.
B. The management IP pool can be created under Physical > Storage in Cisco UCS Director
C. The management IP pool must contain any IP addresses that have been assigned as static IP addresses for a server or service profile.
D. All IP addresses in the in the out of band management IP pool must be in the same subnet as the IP address of the fabric interconnect.
E. IP addresses in the management IP pool are reserved for external access that terminates in the CiscoIntegrated Management Controller on a server.

Answer: DE

NEW QUESTION 4
Which option is the best way to provide templates to end users in Cisco UCS Director?

A. Give access to the template.
B. Assign the template to the standard catalog.
C. Assign the template to the advance catalog.
D. Deploy a copied template.

Answer: B

NEW QUESTION 5
A cloud engineer is deploying a new LUN to a customer virtual infrastructure. What is an advantage of thinprovisioning this storage?

A. The datastore is available immediately.
B. Less space is consumed on the array.
C. The performance (IOPS) is higher.
D. The risk of disk errors is lower.

Answer: B

NEW QUESTION 6
A Cisco UCS Director administrator is trying to mapping policies. Where can this task be accomplished?

A. Virtual > Physical Infrastructure Policies
B. Virtual > Virtual/Hypervisor Policies
C. Policies > Physical Infrastructure Policies
D. Policies > Virtual/Hypervisor Policies

Answer: D

Explanation:
Reference: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/vsphere-mgmt-guide/5-0/b_UCS_Director_VMware_vSphere_Management_Guide_50/b_UCS_Director_VMware_vSphere_Management_Guide_50_chapter_0100.html#topic_736267F57B684D349EBA0C F77B2E17C6

NEW QUESTION 7
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 8
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 9
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 onl
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 aservice profile that is associated with a rack-mount server, the policy is implemented.

Answer: BD

NEW QUESTION 10
Which Cisco Nexus 1000V configuration implements VxLAN segment 5001 as unicast and segment 5002 as multicast?

A. bridge-domain bd-5001 segment id 5001no segment distribution mac!Bridge-domain bd-5002 segment id 5002group 239.1.1.2
B. segment mode multicast bridge-domain bd-5001 segment id 5001segment mode unicast-only!Bridge-domain bd-5002 segment id 5002group 239.1.1.2 segment mode multicast
C. segment mode unicast-only bridge-domain bd-5001 segment id 5001!Bridge-domain bd-5002 segment id 5002group 239.1.1.2no segment mode unicast-only
D. segment mode unicast-only bridge-domain bd-5001 segment id 5001!Bridge-domain bd-5002 segment id 5002

Answer: C

Explanation:
Reference: http://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/guide_c07-728863.html

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 11
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 12
An engineer is configuring VEM-to-VSM communication for the Cisco Nexus 1000V Series Switch. Which mode must the engineer use?

A. distributed
B. centralized
C. Layer 3
D. Layer 2

Answer: B

NEW QUESTION 15
Which option describes the purpose of system VLANs as used in a Cisco Nexus 1000V Switches?

A. is the equivalent of 802.1q tagging in the Cisco Nexus 1000V
B. enables interface connectivity before an interface is programmed via the control plane
C. allows the VSM to send opaque data to all hosts under management
D. supplements pVLAN functionality in a virtualized environment

Answer: C

NEW QUESTION 17
Which three statements about context workflow mapping in Cisco UCS Director are true? (Choose three.)

A. You can execute a workflow that contains a set of tasks from within a context of a component.
B. Workflows cannot be mapped in the form of an action, nor can they be executed in the context of a component.
C. You have to browse for a required workflow in the workflow list to execute it
D. Context workflow mapping consists of two stages:Stage 1 – Create a context mapper task and add it to the workflow that must be mapped as an actionStage 2 – Add the workflow to the content mapper list by giving in an action label
E. Context workflow mapping consists of two stages:Stage 1 – Create the workflow to the content mapper list by giving in an action label Stage 2 – Add a context mapper task to the workflow that must be mapped as an action
F. You can map a workflow in the form of an action and execute it in the context of the component
G. Workflows cannot be executed at the component level

Answer: ADF

Explanation:
 Reference: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/orchestration-guide/5-0/b_UCS_Director_Orchestration_Guide_5_0/b_UCS_Director_Orchestration_Guide_5_0_chapter_0101.html#concept_3BA2EDADF4724218802E5CE3184B27A0

NEW QUESTION 19
Refer to the exhibit.

```
CORESW-A# sh vsan membership
vsan 1 interfaces:


vsan 10 interfaces:
        fc1/23          fc1/24          fc1/25
        fc1/27          fc1/28          fc1/29
        fc1/31          fc1/32


CORESW-A#
```

A cloud engineer is replicating a FlexPod design. The current design has a Cisco UCS B- Series Chassis with six Cisco B200 M2 blades that connect to a NetApp FAS800 storage array. VSAN 10 is configured on the Cisco Nexus 5000 Series Switch to handle all storage traffic. VMs on the Cisco B200 M2 blades can read and write to NAS on the NetApp FAS8000. The engineer wants to connect a second Cisco UCS B-Series Chassis with four Cisco B200 M4 blades to the NetApp array. The engineer has configured four Fibre Channel uplink ports from the Cisco UCS 6248 UP Fabric Interconnect to the Cisco Nexus Fibre Channel ports fc1/23 and fc 1/24. However, the Fibre Channel ports on the Cisco UCS 6248 fail to initialize after the engineer enables the port.
Which reason for the problem is most likely true?

A. The SFP type is 10 Gigabit Ethernet instead of 4 Gigabit Ethernet.
B. The port negotiation speed is set to 8 Gbps.
C. The switch port mode on the Cisco Fabric Extender Fibre Channel port is set to NP.
D. The Fibre channel port is set to uplink instead of Fibre Channel storage port.
E. The VSAN under port properties is incorrect.

Answer: C

NEW QUESTION 21
An engineer finds that the Cisco UCS Director master inventory database has failed. In a multi-node setup, which action must be taken?

A. Configure WinRM on the VMs.
B. Update the host name.
C. Enable ICMP.
D. Modify the SSL cipher suite group policy settings.
E. Stop and restart the infrastructure services on the primary node and service node.

Answer: E

Explanation:
 Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/multinode-install-guide/6-0/b_UCS_Director_Multi-Node_Install_Config_Guide_60/b_UCS_Director_Multi-Node_Install_Config_Guide_60_chapter_011.pdf (p.2)

NEW QUESTION 25
Which mechanism is used to find latent failure in memory modules?

A. sniffing
B. swapping
C. paging
D. scrubbing

Answer: D

Explanation:
 Reference: http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper-c11-736116.pdf

NEW QUESTION 27
Which option lists the steps to configure a Cisco UCS B-Series server for jumbo frames and the Cisco
Discovery Protocol?

A. On the Servers tab, set CDP enabled under the vNIC interfac
B. Set the vHBA MTU to 9000.Assign the network control policy to the vHBA.
C. On the Servers tab, create a network control policy with CDP enable
D. On the vNIC select the jumbo-frame checkbox.Assign the network control policy to the vNIC.
E. On the LAN tab, create a network control policy with CDP enable
F. Create a vNIC with an MTU of 9000.Assign the network control policy to the vNIC.
G. On the LAN tab, create a vHBA template with an MTU of 9216.Select the CDP checkbox.Assign the network control policy to the vHBA.

Answer: D

NEW QUESTION 29
With which three types of zoning can a Cisco UCS domain be configured? (Choose three.)

A. cloud-based Fibre Channel zoning
B. Cisco UCS local Fibre Channel zoning
C. hybrid-based Fibre Channel zoning
D. switch-based Fibre Channel zoning
E. no zoning
F. vBlock-based Fibre Channel zoning

Answer: BDE

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_chapt er_011011.pdf

NEW QUESTION 32
An administrator is troubleshooting a virtual switch that does not show up when it is added to the host using the port-profile management snap-in. Which action is the next step?

A. Enable SR-IOV for the virtual switch inside Hyper-V
B. Add drivers for the virtual switch
C. Reboot the server
D. Enable VMbus for the parent partition and the virtual machine

Answer: C

Explanation:
 Reference: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/vm_fex/hyperv/gui/config_guide/2-1/b_GUI_Hyper-V_VM-FEX_UCSM_Configuration_Guide/b_GUI_Hyper-V_VMFEX_UCSM_Configuration_Guide_chapter_0101.html#task_FD3156BC3C7F48FBB F728E8A824E81CA

NEW QUESTION 36
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 41
An administrator is troubleshooting basic connectivity between two Fibre Channel points that include node hops and latency data. Which tool is the best for troubleshooting this scenario?

A. ping
B. fctraceroute
C. traceroute
D. fcping

Answer: B

Explanation:
Reference: Ping and traceroute are two of the most useful tools for troubleshooting TCP/IP networking problems. The ping utility generates a series of echopackets to a destination across a TCP/IP internetwork.
When the echo packets arrive at the destination, they are rerouted and sent back to the source. Using ping, you can verify connectivity and latency to a particular destination across an IP routed network.
The traceroute utility operates in a similar fashion, but can also determine the specific path that a frame takes to its destination on a hop-by-hop basis.

NEW QUESTION 43
Which two statements describe Ethernet and vEthernet port profiles? (Choose two.)

A. Ethernet port profiles may only be assigned to Cisco UCS unified ports when configured as type uplink.
B. Ethernet port profiles are assigned to physical interfaces such as vmnic
C. vEthernet port profiles are assigned to virtual interfaces such as vNIC, vmk, or VTEP.
D. An MTU change is required on the Ethernet port profiles to support jumbo frames.
E. vEthernet port profiles are assigned to physical interfaces such as vmnic
F. Ethernet port profiles are assigned to virtual interfaces such as vNIC, vmk, or VTEP.
G. Ethernet port profiles may only be assigned to Cisco UCS unified ports when configured as type virtual uplink.

Answer: BC

NEW QUESTION 45
An FCoE frame has just arrived on a Cisco Nexus 5000 Series Switch and must be switched toward a directlyattached FCoE storage array. Which two actions must be done to the frame to accomplish this task? (Choose two.)

A. The frame is switched out of a physical Fibre Channel interface.
B. The frame is switched out of a physical Ethernet interface.
C. The frame is switched out of a logical Ethernet interface.
D. The frame is switched out of a logical Fibre Channel interface.
E. The frame encapsulates a UDP/IP packet.
F. The frame encapsulates a TCP/IP packet.

Answer: BF

NEW QUESTION 46
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_87174961372598968828

NEW QUESTION 51
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 52
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_Config

uration_Guide_2_0_cha pter_010100.html

NEW QUESTION 54
In which topology should Cisco UCS vNIC Fabric Failover be enabled?

A. on every vNIC on every service profile
B. only on vNICs assigned to hypervisors
C. only on vNICs assigned to bare metal operating systems
D. only on vNICs when an operating system level teaming driver is unavailable

Answer: D

NEW QUESTION 58
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