Cisco

Exam Questions 300-460

Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF)

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 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 3
Which option describes the function of an initiator in Storage Area Networking?

A. stats a connection over the fabric to one or more ports
B. provides a network infrastructure consisting of one or more Fibre Channel switches
C. creates a connection over the fabric to one or more initiator ports
D. an endpoint that receives data in the SAN infrastructure

Answer: D

NEW QUESTION 4
An engineer needs to install Windows Server 2012 R2 on a Cisco UCS B-Series Blade Server from an operating system image in Cisco UCS Director using PXE boot. Which agent must the engineer use?

A. Cisco UCS Director Bare Metal Agent
B. Cisco ISO Agent
C. Windows Boot Agent
D. Cisco UCS Boot Agent

Answer: A

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/bma- install-config/5-2/b_ucsd_bma_install_config_guide_5_2/b_ucsd_bma_install_config_guide_5_2_appendix_01000.pdf
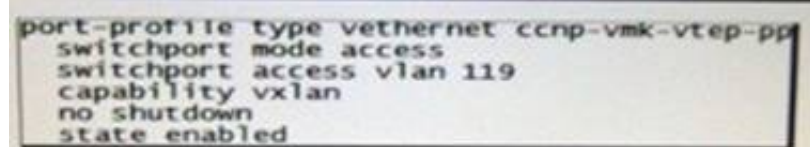
NEW QUESTION 5
An engineer needs to install a hypervisor on a Cisco UCS B-Series Blade Server. The operating system must remain local to the server and must be resilient. Which two hardware components are required to accomplish this? (Choose two.)

A. onboard flash memory
B. SD card
C. external USB
D. internal USB
E. Local disk

Answer: AE

NEW QUESTION 6
Refer to the exhibit.

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. swithchport mode trunk
F. mtu 9000

G. swithchport 12control

Answer: BCD

NEW QUESTION 7
An administrator is installing a hypervisor and has provisioned a dedicated LAN connectivity, set the boot order, and is now rebooting the server to start installation. Which method is the administrator using to install the hypervisor?

A. host image mapping
B. KVM console
C. PXE installation
D. virtual boot

Answer: C

NEW QUESTION 8
Which three options describe the correct methods to install the Cisco Nexus 1000V VEM (VIB) software module on the VMware ESXi hypervisor? (Choose three.)

A. using the "Add Host to vSphere Distributed Switch" dialog on the vSphere Network tab when UpdateManager is installed
B. esxcli software vib install –n/tmp/Cisco_bootbank_cisco-vem –v173-esx_5.2.1.3.1.4.0- 3.2.1.vib
C. executing the Deploy-Nexus 1000V-VSEM.ps1 script
D. esxcli software vib install –v/tmp/Cisco_bootbank_cisco-vem –v173-esx_5.2.1.3.1.4.0- 3.2.1.vib
E. using the Host Selection dialog box in Cisco Virtual Switch Update Manager
F. creating a baseline group in VMware Update Manager

Answer: ADE

Explanation:
 Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5_2_1_s_v_3_1_4/install/guide/b_Cisco_N1KV_VMware_Install_and_Upgra de_Guide_521SV314/b_Cisco_N1KV_VMware_Install_and_Upgrade_Guide_521SV314a_chapter_01.html#task_F02BD7 7701B345D9B34A9332AA7C179F

NEW QUESTION 9
An engineer opens a KVM to a Cisco UCS B-Series Blade Server and boots off a Windows Server ISO with a virtual mapped drive. The server is not attempting to boot from the ISO. What must the engineer modify first?

A. boot policy to KVM CD
B. BIOS policy to CD
C. boot policy to CD
D. local disk policy to CD

Answer: A

Explanation:
 Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/ucs_diagnostics/b_UCS_Blade_Server_Diagnostics_User_Guide/getting_started_wit h_cisco_ucs_blade_server_dia gnostics.pdf

NEW QUESTION 10
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
An engineer must create Cisco UCS service profiles for a new B-Series ESXi deployment. Which two configuration steps must be performed to isolate live migration traffic within a single Cisco UCS Fabric Interconnect? (Choose two.)

A. Install Cisco Nexus 1000V.
B. Enable fabric failover.
C. Create a single vNIC for the vSwitch.
D. Disable fabric failover.
E. Create one vNIC per fabric for the vSwitch.
F. Install VM-FEX.

Answer: BF

NEW QUESTION 15
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 17
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 19
A network engineer is optimizing spanning tree in the data center. Which feature must the engineer implement on a physical switch port that is connected to a Cisco Nexus 1000V Series Switch virtual switch?

A. BPDU guard
B. PortFast trunk
C. port security
D. Dynamic ARP Inspection

Answer: A

NEW QUESTION 24
An engineer enters the command switchport port-security in configuration mode on a switch. The command fails and displays the output Command rejected: GigabitEthernet0/1 is a dynamic port. Which reason for this error is most likely true?

A. The port is in Layer 3 mode.
B. Port security is not enabled globally.
C. Sticky MAC addresses are disabled on the port.
D. The port is not configured as an access port.
E. The port is part of an existing port channel.

Answer: D

NEW QUESTION 29
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 34
An engineer wants to verify the VXLAN configuration on a Cisco Nexus 1000V Series Switch. Which NX-OS command provides the following partial output?
Segment ID: 5000 (manual/Active) Group IP: 239.1.1.1
NR – 1 seg_bd

A. show port-profile usage
B. show interface switchport
C. show bridge-domain
D. show feature | begin Segment

Answer: C

Explanation:
 Reference:
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4_2_1_s_v_1_5_1/vxlan/configuration/guide/n1000v_vxlan/n1000v_vxlan_basic.html

NEW QUESTION 38
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 43
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 46
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 50
An engineer has designed a new Cisco UCS Director workflow to create a new Fibre Channel LUN and present it to ESXi hosts. After execution of the workflow,
the LUN is not visible to the ESXi hosts. Which two actions must be taken to begin to troubleshoot the failed workflow? (Choose two.)

A. Look for information within vCenter Server under the Events tab for vCenter Server.
B. Look at the information that is produced in the rollback script that is associated with the failed workflow.
C. Look for information within vCenter Server under the Events tab for the applicable ESXi server.
D. Look for information within Cisco UCS Director under the Log tab of the Service Request Details window.
E. Look for information within Cisco UCS Director under the Input/Output tab of the Service Request Details window.

Answer: AD

NEW QUESTION 52
An engineer needs to ensure that Windows virtual machines can be automatically provisioned from a template with a customized IP address and hostname. Which
two components can enable this at the operating system level? (Choose two.)

A. IP address management system
B. DNS server
C. configuration management agents
D. System Preparation tool
E. DHCP server

Answer: AB

NEW QUESTION 54
Which option describes the difference between in-band and out-of-band IP management pool in Cisco UCS?

A. An out-of-band network is the only method to connect with the Cisco IMC blade.
B. An in-band network policy requires twice the IP address space of an out-of-band policy.
C. An out-of-band network is reachable over the Fabric Interconnect server interfaces, and in-band network is reachable over uplink interfaces.
D. An out-of-band network is reachable over the Fabric Interconnect mgmt0 interfaces, and in-band network is reachable over uplink interfaces.

Answer: D

NEW QUESTION 57
Cisco USB Director provides many tools to help diagnose and resolve common problems.
Which option describes the purpose of the system information tool?

A. to view basic and advanced system information, including the license status, database tables version, recourse usage, logs, and debugging processes for
troubleshooting

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

Answer: A

Explanation:
 Reference: Basic system information includes the version, uptimes, service status, system license status, usage, compute accounts status, compute server status, storage account status, system catalogs, network device status, and cloud status.
The advanced system information includes basic system information, and database tables summary, product configuration, top process information, and information on processors, memory, disks, log files, network, and login. You can also view the system task status, cloud inventory, and monitoring status.

NEW QUESTION 59
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 64
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 65
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 70
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 72
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 77
With which two types of zoning can a Cisco UCS domain be configured? (Choose two.)

A. hybrid-based Fibre Channel zoning
B. switch-based Fibre Channel zoning
C. Manager-based Fibre Channel zoning
D. cloud-based Fibre Channel zoning
E. no zoning

Answer: BC

NEW QUESTION 78
A Cisco UCS Director administrator is charging the boot . Which option lists the steps that accomplish this task?

A. On the menu bar, choose Physical > Storage.In the left pane, expand the pod and then click the Cisco UCS Manager account In the right pane, click the Organizations tabClick the organization in which you want to modify a policy and then click View details Click the Manage Boot Order tab.Choose the boot policy that you want to clone and click Manage Boot Order
B. On the menu bar, choose Physical > Compute.In the left pane, expand the pod and then click the Cisco UCS Manager account In the right pane, click the Organizations tabClick the organization in which you want to modify a policy and then click View detailsClick the Manage Boot Order tab.Choose the boot policy that you want to clone and click Manage Boot Order
C. On the menu bar, choose Physical > Storage.In the left pane, expand the pod and then click the Cisco UCS Manager account In the right pane, click the Organizations tabClick the organization in which you want to modify a policy and then click View details Click the Boot Policies tab.Choose the boot policy that you want to clone and click Manage Boot Devices Order
D. On the menu bar, choose Physical > Compute.In the left pane, expand the pod and then click the Cisco UCS Manager account In the right pane, click the Organizations tabClick the organization in which you want to modify a policy and then click View details Click the Boot Policies tab.Choose the boot policy that you want to clone and click Manage Boot Devices Order

Answer: D

Explanation:
 Reference: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/ucs- central-mgmtguide/4-1/b_Cisco_UCS_Director_UCSCentral_Mgmt_Guide_41/b_Cisco_UCS_Director_UCSCentral_Mgmt_Guide_41_chapter_0111.html#concept_2313A9F59CD94237819D14A3CA608D FD

NEW QUESTION 82
Which two pieces of information are needed when adding an NFS mount point in Cisco UCS Director? (Choose two.)

A. the IP address of the NFS server where you plan to store the OS images for Bare Metal Agent to use
B. the locate and organization where the NFS server is located
C. the IP address of the IP share storage system
D. the location of the NFS server where the OS images are stored
E. the IP address of the main UCS server

Answer: AD

Explanation:
 Reference: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/bma- install-config/5-2/b_ucsd_bma_install_config_guide_5_2/b_ucsd_bma_install_config_guide_5_2_chapter_ 0110.html#task_FB4A6403CF4F4650B31A8C2C6FF4E69F

NEW QUESTION 87
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_cha pter_010100.html

NEW QUESTION 89
A cloud architect is creating a solution to allow virtual machines to be provisioned into a DMZ. Security requirements specify that all traffic between DMZ and internal networks must pass through the firewall. As long as this requirement is met, DMZ zone and internal zone resources must be pooled to reduce costs. Which action is the most likely to meet these requirements?

A. Ensure that DMZ virtual machines reside on a dedicated DMZ compute cluster that is separate from compute clusters that are used for non-DMZ virtual machines.
B. Ensure that DMZ virtual port groups are separate from non-DMZ virtual port groups.
C. Ensure that any Fibre Channel traffic for DMZ virtual machines utilizes a dedicated VSAN that is separate from non-DMZ virtual machines.
D. Ensure that iSCSI traffic for DMZ virtual machines is on separate networks from iSCSI traffic for internal virtual machines.
E. Ensure that DMZ virtual machine traffic uses dedicated physical NICs.

Answer: A

NEW QUESTION 91

The Cisco UCS usNIC feature improves performance of software applications by bypassing the kernel network stack. Which option lists the steps to configure usNIC capable vNIC in the correct order?

A. Create a usNIC connection policy, create a vNIC, set vNIC connection policy to usNIC, and install the usNIC RPM driver
B. Modify the vNIC network control policy to usNIC, modify usNIC Ethernet adapter policy, and install theusNIC RPM driver
C. Create a usNIC connection policy, create a vNIC, set vNIC adapter policy to Linux, and install the usNIC RPM driver
D. Create a vNIC, modify usNIC Ethernet adapter policy, set vNIC connection policy to usNIC, and install the usNIC RPM driver

Answer: D

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/configuring_network_related_policies.pdf

NEW QUESTION 95
Which four options are required on a DCHP server to enable PXE boot? (Choose four.)

A. boot server host name (TFTP server hostname or IP address)
B. subnet mask
C. DNS server
D. lease time
E. domain name
F. bootfile name
G. router (Gateway)

Answer: ABCG

Explanation:
 Reference: Refer to table 1 of the link: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucsdirector/bma-install-config/4-1/b_ucsd_bma_install_config_guide_41/b_ucsd_bma_install_config_guide_41_chapter_01 00.html

NEW QUESTION 99
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 103
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