

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

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_c_hapter22.pdf

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

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 6

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 7

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 8

After implementing VXLAN VTEPs in a VMware NSX deployment, an engineer discovers that the VXLAN tunnel does not appear to function across the physical network. A pair of Cisco Nexus 5596UP Switches connect the virtual network to the physical network. To permit the VXLAN tunnel to operate correctly, which action must the engineer take?

- A. Upgrade Cisco Nexus to version 7.0 code.
- B. Establish a dynamic routing protocol between the vSphere virtual router and the Cisco Nexus switches.
- C. Remove storm control mechanisms that are blocking the establishment of the VXLAN tunnel.
- D. Configure jumbo frame support on the Cisco Nexus switches.
- E. Build a GRE tunnel to correctly encapsulate VXLAN between the networks.

Answer: B

NEW QUESTION 9

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 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 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 10

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

- A. bridge-domain bd-5001 segment id 5001 no segment distribution mac! Bridge-domain bd-5002 segment id 5002 group 239.1.1.2
- B. segment mode multicast bridge-domain bd-5001 segment id 5001 segment mode unicast-only! Bridge-domain bd-5002 segment id 5002 group 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 5002 group 239.1.1.2 no 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 15

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 16

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 18

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 23

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 24

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 27

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 28

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 29

An engineer is deploying a new SQL cluster and is configuring the storage for peak performance (IOPS). Which RAID type supports this configuration?

- A. RAID 0
- B. RAID 6
- C. RAID 10
- D. RAID 1

E. RAID 5

Answer: B

NEW QUESTION 30

Refer to the exhibit.

Fabric ID: B	Path ID: 1	VIF	VNIC	Link State	Oper State	Prot State	Prot Role	Admin Fin	Oper Fin	Transport
795	eth0	Up	Active	Passive	Backup	0/0	0/0	0/0	0/0	Ether
798	eth2	Up	Active	Active	Backup	0/0	0/11	0/0	0/0	Ether
800	eth3	Up	Active	Active	Primary	0/0	0/0	0/0	0/0	Ether
802	eth3	Up	Active	No protection	Unprotected	0/0	0/1	0/0	0/0	Ether
804	eth3	Up	Active	No protection	Unprotected	0/0	2/1	0/0	0/0	Fc
887	eth3	Error	Error	Error	Error	0/0	0/0	0/0	0/0	Ether
903	eth3	Up	Active	No protection	Unprotected	0/0	0/0	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 31

During which process are Cisco UCS UUID, MAC, and WWPN identifiers allocated from the pool?

- A. service profile instantiation
- B. server boot time
- C. service profile assignment to a server
- D. service profile template creation

Answer: C

NEW QUESTION 35

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 38

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 40

Which two statements about virtual networks in a Cisco-powered private cloud are true? (Choose two.)

- A. After the last VM is shutdown, the associated virtual network is gone for garbage collection.
- B. The last vNIC can be deleted issuing the command no interface virtual.
- C. Virtual networks are abstractions whose state is stored in the orchestration layer.
- D. N1KV supports dynamic routing on virtual networks.
- E. Issue the show module command in virtual supervisor module to view virtual network mapping with VM.

Answer: DE

NEW QUESTION 43

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 44

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 the usNIC 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 49

An architect must use legacy Cisco NX-OS 7000 and 2000 Series Switches in a data center to implement VXLAN and VTEP on a VMware ESXi infrastructure. Which solution allows using VXLAN with VTEP without upgrading legacy routing and switching infrastructure?

- A. VMware NSX
- B. OpenStack Neutron
- C. Cisco ACI
- D. Microsoft Hyper-V

Answer: A

NEW QUESTION 52

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