CCIE Data Center Written Exam

1. You are integrating a UCS C-Series server with a UCS Fabric Interconnect running version

A. Cisco Nexus 2148T Fabric Extender and Cisco UCS P81E adapter

B. only the Cisco UCS P81E adapter

C. Cisco Nexus 2248 Fabric Extender and Cisco UCS M81KR adapter

D. Cisco Nexus 2232 Fabric Extender and Cisco N2XX-AIPCI02 adapter

E. Cisco Nexus 5548 switch and Cisco UCS VIC 1225 adapter

F. Cisco Nexus 2248 Fabric Extender and Cisco UCS P81E adapter

G. Cisco Nexus 2232 Fabric Extender and Cisco UCS P81E adapter

Answer(s): F,G

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2. Assuming the local peer is 10.0.0.1 and the remote peer (configuration not shown) is 10.0.0.2, which of these is used to configure PIM Anycast-RP on a Nexus 7000 switch?

A. feature pim ! interface loopback1 ip address 10.0.0.1/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! interface loopback2 ip address 2.2.2.2/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! ip pim anycast-rp 10.0.0.1 2.2.2.2 ip pim anycast-rp 10.0.0.2 2.2.2.2 ip pim rp-address 2.2.2.2 group-list 224.0.0.0/4

B. interface loopback1 ip address 10.0.0.1/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! interface loopback2 ip address 2.2.2.2/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! ip pim anycast-rp 2.2.2.2 10.0.0.1 ip pim anycast-rp 2.2.2.2 10.0.0.2 ip pim rp-address 2.2.2.2 group-list 224.0.0.0/4

C. feature pim feature msdp ! interface loopback1 ip address 10.0.0.1/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! interface loopback2 ip address 2.2.2.2/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! ip msdp originator-id loopback1 ip msdp peer 10.0.0.2 connect-source loopback1 ip msdp
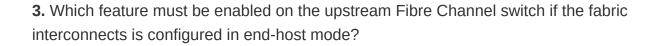
description 10.0.0.2 To 7010-2 ip msdp password 10.0.0.2 mypassword ! ip pim rp-address 2.2.2.2 group-list 224.0.0.0/4

D. feature pim! interface loopback1 ip address 10.0.0.1/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! interface loopback2 ip address 2.2.2.2/32 ip router ospf 10 area 0.0.0.0 ip pim sparse-mode ! ip pim anycast-rp 2.2.2.2 10.0.0.1 ip pim anycast-rp 2.2.2.2 10.0.0.2 ip pim rp-address 2.2.2.2 group-list 224.0.0.0/4

Answer(s): D

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3. Which feature must be enabled on the upstream Fibre Channel switch if the fabric interconnects is configured in end-host mode?

A. NPV

B. Zoning

C. NPIV

D. Smart Zoning

Answer(s): C

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4. Which two statements about FabricPath are true? (Choose two.)

A. FabricPath is supported on Cisco Nexus 7000 on all module types.

B. Spanning tree does not run inside a FabricPath network.

C. FabricPath switch should always be the root for a spanning tree network attached to it.

D. Multi-destination trees are built to create a loop-free topology for unicast traffic.

E. FabricPath interfaces send and receive Ethernet and FabricPath encapsulated packets.

Answer(s): B,C

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5. Which policy determines what happens to local data and to the BIOS settings on a server during the discovery process and when the server is disassociated from a service profile?

A. BIOS setting scrub, boot policy, and BIOS policy

B. disk scrub and BIOS setting scrub

C. boot policy and BIOS policy

D. disk scrub and boot policy

Answer(s): B

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6. Overlay Transport Virtualization (OTV) overlay interface is a logical multi access and multicast-capable interface that must be explicitly defined by the user and where the entire OTV configuration is applied.

A. The OTV edge device performs the dynamic OTV encapsulation on the Layer 2 packet and sends it to the overlay interface toward the routed domain.

B. When the OTV edge device receives a Layer 2 frame destined for a remote data center site, the frame is logically forwarded to the join interface.

C. The OTV edge device performs the dynamic OTV encapsulation on the Layer 2 packet and sends it to the join interface toward the routed domain.

D. When an OTV edge device receives a Layer 2 frame destined for a remote data center site, the frame is logically forwarded to the overlay interface.

Answer(s): C,D

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7. The network administrator is adding a new N1Kv to the vCenter, however, the administrator does not see the new switch under the networking tab of vCenter.

A. VSM extension key is not installed on vCenter

B. VSM has no network connection to vCenter

C. Missing control VLAN in VSM configuration

D. vCenter extension key is not installed on VSM

E. Missing packet VLAN in VSM configuration

Answer(s): A

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8. Which option describes the default predictor on ACE to select the best server to fulfill a client request?

A. the hash DNS, which selects the server using a hash value that is based on FQDN

B. round robin, which selects the next server in the list of real servers

C. the hash cookie, which selects the server by using a hash value that is based on a cookie name

D. least bandwidth, which selects the server that processed the least amount of network traffic

Answer(s): B

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9. Which SCSI action returns a list of logical unit numbers to which additional commands may be issued?

A. Report LUNs

B. Test Unit Read

C. Inquiry

D. Read Capacity

E. Read

Answer(s): A

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10. Which two statements about end-host mode in SAN connectivity in a Cisco UCS environment are true? (Choose two.)

A. Making configuration changes between Fibre Channel switching mode and end-host mode is nondisruptive.

B. End-host mode is synonymous with NPV mode.

C. End-host mode is the default Fibre Channel switching mode.

D. In end-host mode, only hard pinning of vHBAs to Fibre Channel uplink ports is allowed.

Answer(s): B,C

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11. Which two statements about the clear zone database vsan 2 command when performed on a Cisco Nexus 5500 switch are true? (Choose two.)

A. The full zone set database is cleared for VSAN2 and the active zone set database for VSAN2 is untouched.

B. Zone set for VSAN 2 is cleared from all switches in VSAN 2.

C. You must issue the copy running-config startup-config command to copy the active zone set database to the full zone set database after this command.

D. The active and full zone set for VSAN2 is deactivated and erased from the local switch.

E. This command is valid only if the feature clearzone is enabled.

Answer(s): B,E

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12. On a Cisco Nexus 7000 Series Switch, what is the purpose of this command?

A. Enable conversational learning on FabricPath vlans 1-10 for F-Series module

B. No need for this command as conversational learning is enabled by default for all VLANs.

C. Enable conversational learning on Classical Ethernet VLAN for F-Series module

D. Enable FabricPath protocol on VLANs 1-10

Answer(s): A

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13. Which two statements about Cisco Nexus 1000V Series Switches are correct? (Choose two.)

A. Always deploy the Cisco Nexus 1000V Series VSM in pairs, with one VSM that is defined as the primary module and the other that is defined as the secondary module on two separate hosts.

B. When VSM interfaces are created for a virtual machine, the VMware vSwitch port-group configuration is used initially, which requires the creation of a port-group name for these interfaces and an appropriate VLAN. The simplest configuration is to create a single port group (for example, VSM-Interfaces), that includes all the interfaces that use this port group and the same VLAN.

C. The mgmt0 interface on the VSM does not necessarily require its own VLAN. In fact, you can use the same VLAN to which the VMware vCenter Server belongs. The VSM management VLAN is really no different from any other virtual machine data VLAN. Alternatively, network administrators can designate a special VLAN for network device management.

D. The service console is a critical interface that resides on every logical server.

E. mgmt 0 interface on the VSM always use VLAN 1 for communication with VEM modules.

Answer(s): A,C

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14. The Cisco Nexus 1000V Series implementation has two main components. Which two components together make up the Cisco Nexus 1000V Series Switch? (Choose two.)

A. virtual machine kernel NICs

B. virtual machine NICs

C. virtual Ethernet module

D. virtual supervisor module

Answer(s): C,D

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15. Which GSS "source access list" is used to allow access to GSS by clients when GSS is being used as the DNS?

A. Client IP

B. Proxy IP

C. Client and proxy IP

D. Neither client nor proxy IP

Answer(s): A

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16. Which two statements about disjoint Layer 2 networks are true? (Choose two.)

A. Each vNIC can communicate with all the disjoint Layer 2 networks.

B. Appliance port cannot be configured with the same VLAN as Uplink Ethernet Port or Port Channel.

C. Overlapping vlans are supported.

D. Symmetrical configuration is recommended for high availability.

E. Default VLAN 1 can be configured explicitly on an Uplink Ethernet Port or Port Channel

F. Ethernet Switching mode must be end-host mode.

Answer(s): D,F

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17. Which two servers support memory extension technology and give list? (Choose two.)

A. B200

B. C210

C. B250

D. C460

E. C260

Answer(s): C,E

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18. Cisco UCS Manager provides the ability to manage power utilization to the blades. Which two statements about UCS Manager power policies are true? (Choose two.)

A. You can have multiple power cap groups per UCS domain.

B. A single power cap group policy allows you to set power limits across multiple UCS domains.

C. Power capping helps mainly in reducing data center footprint.

D. Each blade within a UCS 5108 chassis can belong to a separate power cap group.

E. Power capping helps reduce data center cooling.

Answer(s): A,E

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19. Which statement is true regarding Backup tasks in Cisco UCS?

A. They are automatically scheduled to run every 24 hours

B. They are manually scheduled and stored on the FI

C. They are created automatically and stored on the FI

D. They are created manually and exported to a remote server

Answer(s): D

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20. SNMPv3 authorizes management operations only by configured users and encrypts SNMP messages. Which authentication protocols does Cisco NX-OS Software use for SNMPv3? (Choose two.)

A. HMAC-SHA-96 authentication protocol

B. NMAC-SHA-96 authentication protocol

C. NMAC-MD5-96 authentication protocol

D. Community String Match protocol

E. HMAC-MD5-96 authentication protocol

Answer(s): A,E