Cisco

Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)

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NEW QUESTION 1
What influences the number of ISLs that are required between Cisco MDS Series switches?

A. FCoE protocol
B. type of storage
C. end-to-end oversubscription ratio
D. N Port virtualization

Answer: C

NEW QUESTION 2
Which protocol prevents fiber failures from causing a Layer 2 loop in a dark fiber DCI?

A. BFD
B. UDLD
C. MCP
D. LLDP

Answer: B

NEW QUESTION 3
Refer to the exhibit.

The FCoE packets fail to be forwarded through the switch. What is the minimum MTU QoS requirement for the FCoE to work?

A. 9000 bytes
B. 2000 bytes
C. 2158 bytes
D. 2240 bytes

Answer: B

NEW QUESTION 4
Where does Cisco UCS handle Fibre Channel traffic failover?

A. on a Cisco UCS Fabric Interconnect ASIC in Fibre Channel switching mode
B. on the host, by using multipathing software
C. in the hardware on the Cisco UCS VIC 12xx adapter or later
D. in the hardware on any Cisco UCS VIC adapter

Answer: B

NEW QUESTION 5
Which feature provides a sandbox to convert NX-OS CLI commands to REST-based scripts on Cisco Nexus 7700 Series Switches?

A. NX-API
B. Postman
C. Bash shell
D. Guest shell

Answer: A

NEW QUESTION 6
What is an advantage of Cisco HyperFlex Edge as compared to Cisco HyperFlex Standard Clusters?

A. Cisco Intersight automatically creates an invisible cloud witness.
B. Cisco UCS 5108 Blade Server chassis provides SEEPROM connectivity to solve split-brain scenarios.
C. Cisco UCS Manager provides service profile portability across nodes.
D. Cisco HyperFlex Edge provides native container support through the KVM hypervisor.

Answer: A

NEW QUESTION 7
A Cisco UCS instance has four interfaces on a UCS VIC. Where on the fabric interconnect does each interface terminate?

A. vPC
B. virtual interface
C. port channel
D. physical port

Answer: B

NEW QUESTION 8

Which feature must be configured to connect a classical Ethernet network to a data center network so that the data center network appears to be one large switch.

A. VPC+
B. UDLD
C. EVPN
D. OSPF

Answer: C

NEW QUESTION 9
Drag and drop the Cisco Nexus 7000 Series Switch resources from the left onto the correct groups on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
Drag and drop the feature descriptions from the left onto the correct UCS Fabric Interconnect modes on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
Which Ethernet to Cisco Fabric Interconnect connectivity configuration is supported when FCoE is implemented?

A. VSS that has unified uplinks
B. Ethernet and unified ports on the same port channel
C. vPC that has unified uplinks
D. cross-connections with pinning

Answer: C

NEW QUESTION 13
Which address pool is used when a vHBA template is created?

A. MAC
B. WWPN
C. IP
D. UUID

Answer: B

NEW QUESTION 14
Which approach splits a pair of clustered fabric interconnects into two standalone devices?

A. Run the disable fips-mode command on each fabric interconnect.
B. Run the connect local-management command on each fabric interconnect.
C. Erase the configuration of both fabric interconnects.
D. Unplug the Layer 1 and Layer 2 interfaces between the devices.

Answer: D

NEW QUESTION 15
Which two automation requirements can be met by using Puppet? (Choose two.)

A. Push configuration updates immediately to servers.
B. Enable clients to pull changes to configuration files.
C. Enable clients to pull changes without installing an agent.
D. Provide support for writing new modules in Python.
E. Enable one-off infrastructure changes to be performed manually.

Answer: AB

NEW QUESTION 16
Which two naming formats identify target or initiator iSCSI nodes? (Choose two.)

A. WWPN
B. EUI
C. IQN
D. WWN
E. OUI

Answer: CD

NEW QUESTION 20
What are two advantages of using Cisco vPC over traditional access layer designs? (Choose two.)

A. supports Layer 3 port channels
B. disables spanning-tree
C. no spanning-tree blocked ports
D. uses all available uplink bandwidth
E. maintains single control plane

Answer: CD

NEW QUESTION 21
Which two features are provided by deploying an OOB management network in a Cisco Nexus data center? (Choose two.)

A. Layer 3 path for monitoring purposes
B. Layer 2 path for server traffic
C. Layer 2 path for a vPC peer link
D. Layer 3 path for vPC keepalive packets
E. Layer 3 path for server traffic

Answer: BC

NEW QUESTION 26
Which two methods mitigate congestion in a SAN network? (Choose two.)

A. Configure ER_RDY to allow splitting of each ISL between switches into separate virtual links.
B. Use the port-monitor command to detect slow drain devices.
C. Configure the port channel to enable individual buffer-to-buffer credits.
D. Configure the port monitor to allow categorization of a specific device as slow.
E. Configure the flow control for the FC to use R_RDY.

Answer: BD

NEW QUESTION 29
Which multicast rendezvous point redundancy mode is valid for Bidirectional PIM?

A. Embedded RP
B. Phantom RP
C. MSDP
D. PIM anycast RP

Answer: D

NEW QUESTION 32
What is a design consideration when implementing FSPF?

A. Routes are based on the domain ID.
B. Routes are based on the distance vector protocol.
C. FSPF runs only on F Ports.
D. FSPF runs on a per-chassis basis.

Answer: A

NEW QUESTION 36
Which two configurations allow for routing traffic between two VDCs? (Choose two.)

A. Connect the VDCs to an external Layer 3 device.
B. Cross-connect the ports between the VDCs.
C. Create VRF-aware software infrastructure interfaces.
D. Create a policy map in the default VDC that routes traffic between the VDCs.
E. Create interfaces in the VDC that can be accessed by another VDC.

Answer: AD

NEW QUESTION 40
Which authentication software natively runs within the CLI of Cisco NX-OS devices?

A. Python
B. Ansible
C. Puppet
D. Chef

Answer: B

NEW QUESTION 43
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Relate Links

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