



Cisco

Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)

NEW QUESTION 1

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 2

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 3

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 4

Drag and drop the SAN components from the left onto the correct design considerations on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 5

Refer to the exhibit.

Which template is used when a vHBA template pair is created for a specific server that inherits its attributes from an existing template?

- A. Secondary
- B. Initial
- C. Updating
- D. Primary

Answer: B

NEW QUESTION 6

Which orchestration tool provides a graphical interface to manage LAN and SAN fabrics?

- A. Cisco Virtual Topology System
- B. Cisco Data Center Network Manager
- C. Cisco Nexus Fabric Manager
- D. Cisco CloudCenter

Answer: B

NEW QUESTION 7

Which type fields can an engineer use to identify an iSCSI participant? (Choose two.)

- A. type
- B. preshared key
- C. port number
- D. identifying tag
- E. hostname

Answer: CE

NEW QUESTION 8

Which type of encoding is used on 8-Gbps links as compared to 10-Gbps links?

- A. 8-Gbps links use 64B/66B encoding, and 10-Gbps links use 8B/10B encoding.
- B. 8-Gbps links use 8B/10B encoding, and 10-Gbps links use 64B/66B encoding.
- C. 8-Gbps links and 10-Gbps links use 8B/10B encoding.
- D. 8-Gbps links and 10-Gbps links use 64B/66B encoding.

Answer: B

NEW QUESTION 9

Drag and drop the technologies from the left onto the correct descriptions on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10

Which element is the main functional component of the architecture that separates the internal fabric and the external network that connects sites when VXLAN EVPN is deployed multisite?

- A. border leaf
- B. service leaf
- C. border gateway
- D. service gateway

Answer: C

NEW QUESTION 10

Drag and drop the components from the left onto the descriptions on the right that indicate what occurs to Fibre Channel fabric when that component fails.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 12

What can be implemented on Cisco Nexus 5600 Series Switches for link redundancy within a Fibre Channel fabric?

- A. vPC+
- B. E-Trunk
- C. SAN port channel
- D. LACP port channel

Answer: D

NEW QUESTION 14

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 16

What are two functions of a Network Services Orchestrator in an NFV environment? (Choose two.)

- A. It operates at the resource-facing services layer and provides overall lifecycle management at the network service level.
- B. It provides an API-based northbound interface for transparent integration with systems that operate at the resource-facing services layer.
- C. It provides a standards-based southbound interface for transparent integration with systems that operate at the customer-facing services layer.
- D. It provides a standards-based northbound interface for transparent integration with systems that operate at the customer-facing services layer.
- E. It operates at the customer-facing services layer and provides the management interface for the virtual network devices.

Answer: AB

NEW QUESTION 19

Which address pool is used when a vHBA template is created?

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

Answer: B

NEW QUESTION 21

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 26

Which Cisco HyperFlex feature provides virtual machine-level cost scaling for desktop virtualization growth?

- A. HyperFlex Edge support
- B. encryption offload cards
- C. dedicated compute nodes
- D. fabric interconnects

Answer: A

NEW QUESTION 31

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 32

Which technology enables Layer 2 extension between remote data center sites?

- A. FCIP
- B. GRE
- C. DMVPN
- D. OTV

Answer: D

NEW QUESTION 35

Drag the appropriate from the left onto the current UDLD modes of operation on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 36

When planning to deploy a load-balancing service as a managed node, which ACI configuration must be included?

- A. BGP ECMP
- B. Layer 4 to Layer 7 device package
- C. inline load-balancing device
- D. ITD

Answer: B

NEW QUESTION 39

Refer to the exhibit.

An engineer must assign multiple Fibre Channel IDs to a single port channel. Which two features must be enabled this goal? (Choose two.)

- A. SAN Pin Groups on the Cisco UCS Fabric Interconnects.
- B. NPV feature on the Cisco MDS Series.
- C. end-host mode feature on the Cisco UCS Fabric Interconnects
- D. NPIV feature on the Cisco MDS Series
- E. Smart Zoning feature on the Cisco UCS Fabric Interconnects

Answer: BD

NEW QUESTION 44

Which orchestration tool should be used for the management and analytics of servers across multiple sites?

- A. Cisco Intersight
- B. Cisco Nexus Fabric Manager
- C. Cisco UCS Manager
- D. Cisco Data Center Network Manager

Answer: A

NEW QUESTION 45

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 46

Which pools are used when a vNIC template is created in Cisco UCS Manager?

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

Answer: C

NEW QUESTION 50

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 52

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