

Cisco 642-991

**Cisco Data Center Unified Fabric Solutions
Design(DCUFD)
Version: 5.0**

QUESTION NO: 1

What is one common benefit of U access and inverted U access design topologies for the access layer?

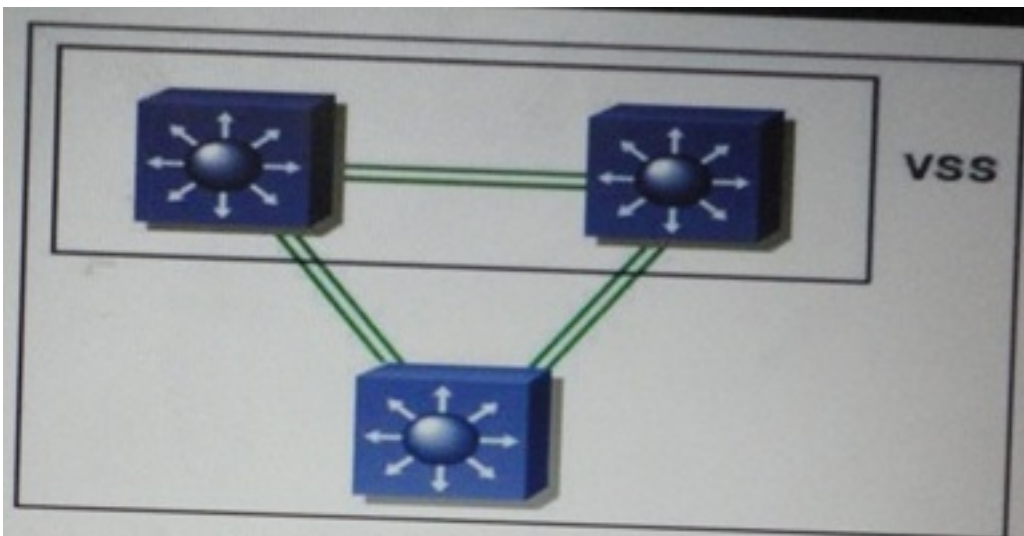
- A. They both contain VLANs in switch pairs.
- B. They are both forms of a looped design model.
- C. They require no STP blocking; all uplinks are active.
- D. They both support VLAN extension across aggregation switches.

Answer: C

Explanation:

QUESTION NO: 2

Refer to the exhibit.



Which mechanism is preferred for traffic load balancing in this topology, when fast convergence is the design priority?

- A. Spanning Tree Protocol
- B. Layer 3 Equal-Cost Multipath
- C. Multichassis EtherChannel
- D. Hot Standby Routing Protocol

Answer: C

Explanation:

QUESTION NO: 3

What are three effective ways to service multicast traffic in a data center environment? (Choose three.)

- A. deploying VRFs per address family
- B. configuring IGMP/PIM in the Cisco Catalyst 6500 Series FWSM
- C. configuring IGMP/PIM in the Cisco ACE Module
- D. configuring IGMP/PIM in the MSFC on a Cisco Catalyst 6500 switch
- E. configuring service modules in transparent or bridged mode

Answer: B,D,E

Explanation:

QUESTION NO: 4

What is a primary technology enabler for server I/O consolidation?

- A. Fibre Channel
- B. virtual SAN
- C. Converged Network Adapter
- D. virtual device contexts

Answer: C

Explanation:

QUESTION NO: 5

What is a benefit that results from deploying a top-of-rack equipment design?

- A. optimal port utilization in the rack
- B. faster convergence for Layer 2 services
- C. increased cabling simplicity
- D. security enforced at the access layer
- E. fewer ports required in the aggregation
- F. reduced amount of STP instances

Answer: C

Explanation:

QUESTION NO: 6

What simplifies troubleshooting and enhances protocol stability for OSPF?

- A. using loopback interfaces
- B. modifying the SPF delay hold time
- C. advertising a default route into the data center
- D. utilizing different OSPF process IDs

Answer: A

Explanation:

QUESTION NO: 7

FCoE extends the reach of Fibre Channel throughout the data center by performing which action?

- A. encapsulating Fibre Channel frames into Ethernet frames
- B. aggregating Fibre Channel by using FC trunking
- C. multiplexing Fibre Channel and Ethernet on the same physical media
- D. allocating separate EtherChannels for LAN and SAN traffic

Answer: A

Explanation:

QUESTION NO: 8

Which two functions enable lossless Ethernet in data center devices? (Choose two.)

- A. classical QoS
- B. multihop FCoE
- C. priority flow control
- D. collision avoidance support
- E. CoS-based bandwidth management

Answer: C,E

Explanation:

QUESTION NO: 9

You have been tasked with designing and implementing a data center network. You are ready to configure a Cisco Unified Computing System to Nexus 7000 connection. To ensure active/active forwarding for all VLANs on all Cisco Unified Computing System uplinks toward the Cisco Nexus 7000 switches, what is the correct configuration?

- A.** VSS between the two northbound Cisco Nexus 7000 switches and leave the fabric interconnects in their default mode.
- B.** vPC on the Cisco Nexus 7000 switches with the Cisco Unified Computing System fabric interconnects running in end-host mode.
- C.** vPC on the Cisco Nexus 7000 switches with the Cisco Unified Computing System fabric interconnects running in switch mode.
- D.** Nothing specific on the Cisco Nexus 7000 switches but enable switch mode on the Cisco Unified Computing System fabric interconnects.

Answer: B

Explanation:

QUESTION NO: 10

You are deploying a new rack into your data center. This rack requires 10 x 1-Gb connections and 10 x 10-Gb connections. Which product would be best suited, and minimize unused ports, to provide networking connectivity to this rack?

- A.** Cisco Nexus 5010 because it supports 10 ports as either 1-Gb or 10-Gb
- B.** Cisco Nexus 5010 because it supports 20 ports as either 1-Gb or 10-Gb
- C.** Cisco Nexus 5020 because it supports 16 ports as either 1-Gb or 10-Gb
- D.** Cisco Nexus 5020 because it supports 32 ports as either 1-Gb or 10-Gb

Answer: C

Explanation:

QUESTION NO: 11

Which hardware-based security feature mitigates DDoS attacks against the Cisco Nexus switch itself?

- A. ACLs
- B. CoPP
- C. IP Source Guard
- D. IP sanity checks

Answer: B

Explanation:

QUESTION NO: 12

How many Cisco Catalyst 6500 Series FWSM modules can be supported in a single Cisco Catalyst 6500 chassis?

- A. 1
- B. 2
- C. 4
- D. 8

Answer: C

Explanation:

QUESTION NO: 13

Which three features make the Cisco Catalyst 4948 an ideal data center top-of-rack switch?
(Choose three.)

- A. NAT/PAT
- B. port security
- C. 10-GB uplinks
- D. SNMP management
- E. hot-swappable power supplies

Answer: B,C,E

Explanation:

QUESTION NO: 14

Which type of adapter must be used when connecting a host server to a Cisco SFS Infiniband server switch?