

642-996



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**Exam** : **642-996**

**Title** : Designing Cisco Data  
Center Unified Fabric

**Version** : Demo

1. What is one example of typical business requirements that are driving the design of installed base data centers?

- A. IT reorganization
- B. virtualization
- C. greater collaboration
- D. physical space

**Answer: C**

2. What documents are not typically an output that is deliverable from the design phase?

- A. high-level design
- B. site requirements specification
- C. troubleshooting procedures
- D. migration plan

**Answer: C**

3. What is the most common design requirement when creating a data center solution?

- A. high availability with disaster recovery
- B. multicore CPU servers
- C. traffic inspection for inbound traffic
- D. virtualization of network resources

**Answer: A**

4. What is a typical output of the design planning phase that characterizes an existing data center?

- A. a high-level conceptual architecture proposal
- B. a gap analysis
- C. a verification plan
- D. reactive fault detection and correction

**Answer: B**

5. Which two characteristics are associated with the core layer of a Data Center Unified Fabric network? (Choose two.)

- A. no packet manipulation
- B. QoS—policing
- C. voice, data, and wireless convergence
- D. scalable routing protocols like OSPF
- E. Layer 2 default gateway redundancy
- F. QoS—classification and queuing

**Answer: A,D**

6. Which three characteristics are associated with the aggregation layer of a Data Center Unified Fabric network? (Choose three.)

- A. no packet manipulation
- B. QoS—policing
- C. voice, data, and wireless convergence

- D. scalable routing protocols like OSPF
- E. provides default gateway redundancy
- F. QoS—classification and queuing
- G. routing manipulation and filtering
- H. aggregates end users

**Answer:** B,E,G

7.Which three characteristics are associated with the access layer of a Data Center Unified Fabric network? (Choose three.)

- A. no packet manipulation
- B. QoS—policing
- C. voice, data, and wireless convergence
- D. scalable routing protocols like OSPF
- E. provides default gateway redundancy
- F. QoS - classification and queuing
- G. routing manipulation and filtering
- H. aggregates end users

**Answer:** C,F,H

8.Which protocols are Cisco recommended for connecting the main data center to a remote data center?

- A. LISP
- B. OTV
- C. FabricPath
- D. vPC

**Answer:** B

9.When migrating an existing data center network to a unified fabric network, which transitions should you expect to see?

- A. IOS to Nexus networking equipment
- B. physical to virtual machines
- C. Fibre Chanel to FCoE
- D. iSCSI to NAS **Answer:**

C

10.Which three protocols are effective in minimizing the use of STP in the data center design? (Choose three.)

- A. FCoE
- B. vPC C. vDC
- D. FabricPath
- E. 802.1ad
- F. STP

**Answer:** A,B,D

11. In a medium size Data Center, which three routing protocols would you use? (Choose Three.)

- A. EIGRP
- B. ISIS
- C. OSPF
- D. RIPv2
- E. HSRP

**Answer:** A,B,C

12. Layer 2 forwarding of multicast traffic with vPC is based on which modified protocol?

- A. CGMP
- B. PIM SS
- C. Auto-RP
- D. IGMP snooping
- E. Destination-based trees

**Answer:** D

13. Which protocol is required in order for FabricPath to support switches or hosts that dual-attach through classical Ethernet?

- A. VDC
- B. vPC
- C. LISP
- D. OTV
- E. VSS
- F. TRILL

**Answer:** B

14. In a geographically diverse data center environment, which high-availability feature allows data centers to simultaneously serve the same content to all sites?

- A. HSRP
- B. VRRP
- C. SLB D.
- GSLB E.
- FCoE

**Answer:** D

15. Given the requirements, which Cisco Nexus product is Cisco recommended?

A rich feature set that makes it well suited to top-of-rack, middle-of-row, or end-of-row access-layer applications.

Data center racks with standards-based 1 and 10 Gigabit Ethernet and FCoE features, and virtual machine awareness features that allow IT departments to consolidate networks.

A combination of high port density, lossless Ethernet, wire-speed performance, and extremely low latency that makes the switch family well suited to meet the growing demand for 10 Gigabit Ethernet.

- A. 1000v
- B. 1010

C. 2000

D. 3000

E. 4000

F. 5500

**Answer: F**

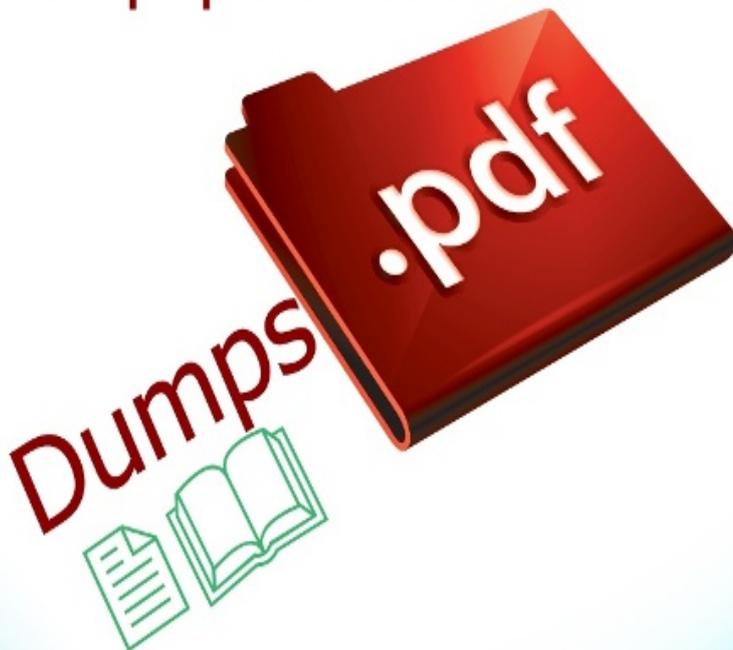
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