

# 642-996 - DCUFD Designing Cisco Data Center Unified Fabric (DCUFD)

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1. Cisco VM-FEX technology extends Cisco Fabric Extender technology to the virtual machine that eliminates which of the following?

- A.The dedicated interface on the parent switch is eliminated.
- B.The software-based switch in the hypervisor is eliminated.
- C.All virtual machine traffic is eliminated.
- D.The need for a physical switch is eliminated.

**Answer: B**

2. Which of the following is true with respect to Cisco Adapter FEX?

- A.Cisco Adapter FEX extends the Cisco FEX technology into a traditional rack servers MoR design.
- B.An EoR design is not permitted with Cisco Adapter FEX.
- C.Cisco Adapter FEX extends VDCs across multiple Cisco Nexus switches.
- D.A ToR design is not permitted with Cisco Adapter FEX.

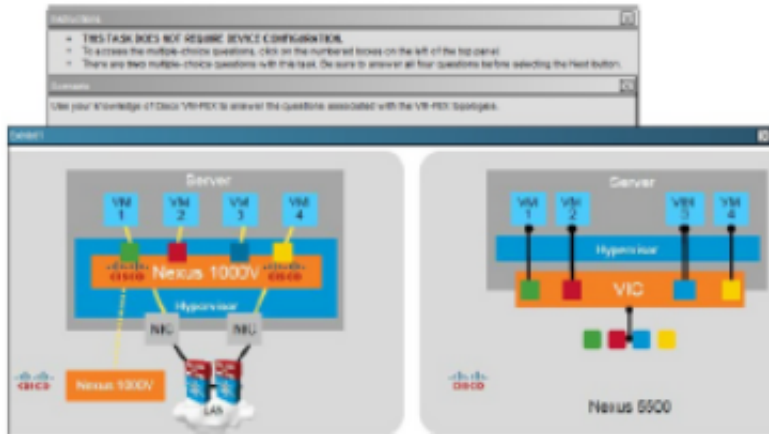
**Answer: A**

3. Which four statements about Cisco Overlay Transport Virtualization are true? (Choose four.)

- A.OTV is a "MAC in IP" technique for supporting Layer 2 VLANs over any transport.
- B.OTV is not a public standard, even though the technology is based on standardized protocols.
- C.OTV is public standard because the technology is based on standardized protocols.
- D.OTV is supported on all M-Series modules of Cisco Nexus 7000.
- E.OTV is core and site transparent. Changes to the Layer 2 design of the sites are needed.
- F.OTV enables the network administrator to statically map MAC addresses to IP addresses.
- G.OTV cannot support multiple concurrent overlays.
- H.OTV supports Catalyst 6500.

**Answer: ABDF**

4.Which three items represent features of VM-FEX with Cisco Nexus 1000V? (Choose three)



- A. Software packet switching
- B. Hardware packet switching
- C. 802.1 Q
- D. VN-Tag (802.1 Qbh)
- E. Feature rich
- F. High performance

**Answer:** BEF

5. Which two devices would you recommend to implement at the EoR in your data center design for access layer connectivity? (Choose two.)

- A. Cisco Nexus 2000 Series
- B. Cisco Nexus 7000 Series
- C. Cisco Nexus 4000 Series
- D. Cisco Nexus 5500 Series
- E. Cisco Nexus 3000 Series

**Answer:** BD

6. What is one example of a business requirement that drives the design of a newly installed data center?

- A. power
- B. cooling
- C. resource utilization and provisioning

D.global availability

**Answer: D**

7. Which three options are benefits of Small Computer System Interface? (Choose three.)

A.SCSI transport protocol that operates over TCP

B.Suitable for data center applications

C.Requires stateful gateway

D.Applicable for smaller environments (small and medium-sized businesses [SMBs])

E.Requires stateless gateway

F.SCSI transport protocol that operates over UDP

**Answer: ACD**

8. Refer to the exhibit.

```

R/K1# show fabricpath switch-id
FABRICPATH SWITCH-ID TABLE
Legend: '*' - this system
-----
SWITCH-ID  SYSTEM-ID  FLAGS  STATE  STATIC  EMULATED
-----
2501       002a.6a2f.48c3  Primary  Confirmed  Yes  No
2502       002a.6a2d.e943  Primary  Confirmed  Yes  No
*2503      002a.6a2f.38c4  Primary  Confirmed  Yes  No
2504       002a.6a2d.0944  Primary  Confirmed  Yes  No
2505       002a.6a2f.27c5  Primary  Confirmed  Yes  No
2506       002a.6a2d.0b45  Primary  Confirmed  Yes  No
    
```

How does FabricPath behave if a new spine is added to this network with switch-ID 2504?

A.Traffic to switch-ID 2504 is load balanced.

B.The existing switch-ID 2504 is assigned a new switch-ID.

C.The new spine fails to join FabricPath.

D.The existing switch-ID 2504 is removed from FabricPath.

**Answer: C**

9. Which item uses TCP as a block I/O transport?

A.NFS v4

B.HyperTransport

- C.AoE
- D.FCoE
- E.CIFS
- F.iSCSI

**Answer: F**

10. 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: ABC**

11. Which benefit does the Dynamic Resource Allocation Protocol provide to Cisco FabricPath?

- A.FTAG assignment
- B.switch-ID assignment
- C.conversational learning
- D.vPC+ ID assignment
- E.IS-IS compatibility

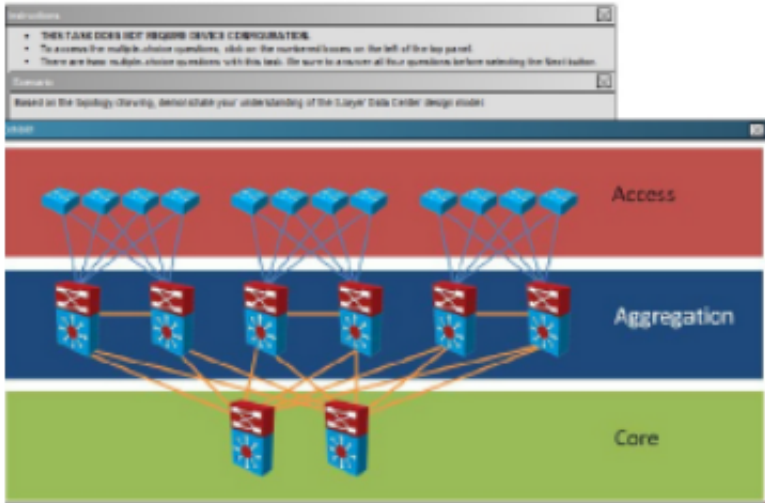
**Answer: B**

12. 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**

13. Select two items that represent features of the Aggregation layer in the Data Center 3-layer design. (Choose two)



- A. High-speed Layer 3 switching
- B. First-Hop Routing Protocols
- C. Demarcation point between static and dynamic routing protocols
- D. QoS Marking
- E. Q 802.1X

**Answer: AB**

14. Which of the following is true with respect to Cisco Adapter FEX?

- A. Cisco Adapter FEX is only supported on vSwitch.
- B. Cisco Adapter FEX enables the server adapter to be logically partitioned into multiple vNICs.
- C. Cisco Adapter FEX does not provide architectural flexibility.
- D. Cisco Adapter FEX increases the number of cables in the data center.

**Answer: B**

15. Which tool provides centralized device and security policy management for Cisco VSG?

- A. Cisco ANM

B.Flexible NetFlow

C.Cisco Prime LMS

D.Cisco Prime DCNM for LAN

E.Cisco Prime DCNM for SAN

F.Cisco VNMC

**Answer: F**

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