



Designing Cisco Network Service Architectures

Version: 25.0

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Question No : 1

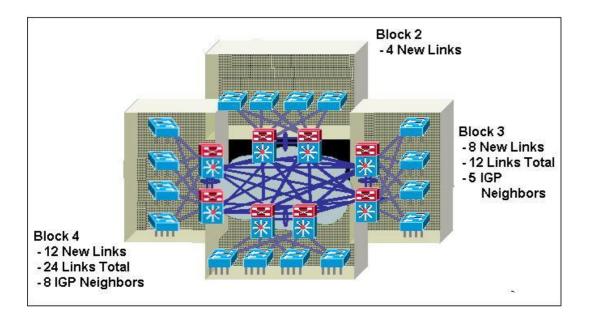
Which two services are provided at the aggregation layer in a data center design? (Choose two.)

- A. service module integration
- B. default gateway redundancy
- C. high-speed packet switching backplane
- D. network interface card teaming
- E. Layer 3 domain definitions

Answer: A,B

Question No:2

Refer to the exhibit.



Which recommended practice is applicable?

A. If no core layer is deployed, the design will be easier to scale.

B. A dedicated campus core layer should be deployed for connecting three or more buildings.

C. If no core layer is deployed, the distribution switches should not be fully meshed.

D. A dedicated campus core layer is not needed for connecting fewer than five buildings.

Answer: B



Question No: 3

Which three major points are important for network virtualization to separate logical networks on a shared physical infrastructure? (Choose three.)

- A. VLANs
- **B.** data plane
- C. control plane
- D. VPNs
- E. VSANs
- F. management plane

Answer: B,C,F

Question No:4

Which three Layer 2 access designs have all of their uplinks in an active state? (Choose three.)

- A. Flex Links
- B. loop-free U
- **C.** looped square
- **D.** looped triangle
- E. loop-free inverted U

Answer: B,C,E

Question No:5

Which statement about Fibre Channel communications is correct?

- **A.** N_Port to N_Port connections use logical node connection points.
- **B.** Flow control is only provided by QoS.
- **C.** It must be implemented in an arbitrated loop.
- **D.** Communication methods are similar to those of an Ethernet bus.

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Answer: A

Question No:6

Refer to the exhibit.

Management Interface 10.30.10.77/16	
VLAN 30	VLAN 40
10.30.10.0/16	10.30.10.0/16

Which statement about the ASA is true?

- A. The management interface is reachable only from VLAN 30.
- **B.** The management interface is reachable only from VLAN 40.
- **C.** It is running in transparent mode.
- **D.** It is running in routed mode.

Answer: C

Question No:7

Which option does the FabricPath technology use to create loop-free Layer 2 networks?

A. STPB. TTLC. fabric tagsD. FSTP

Answer: B

Question No:8

To which network layer should Cisco Express Forwarding be tuned to support load balancing and to make more informed forwarding decisions?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5
- F. Layer 6
- G. Layer 7

Answer: D

Question No : 9

Which feature set enables the full OSPF routing process when using a Cisco Catalyst 3750X Switch?

- **A.** LAN base **B.** IP base
- **C.** IP services
- **D.** enterprise access

Answer: C

Question No: 10

Which three statements about Network Attached Storage are correct? (Choose three.)

- A. Data is accessed using NFS or CIFS.
- **B.** Data is accessed at the block level.
- **C.** NAS is referred to as captive storage.
- D. Storage devices can be shared between servers.
- E. A NAS implementation is not as fast as a DAS implementation.

Answer: A,D,E

Question No : 11

Which statement about NIC teaming configurations is true?

- **A.** With ALB, all ports use one IP address and multiple MAC addresses.
- **B.** With AFT, two NICs connect to the different switches.
- **C.** With SFT, all ports are active.
- **D.** With AFT, all ports use one IP address and multiple MAC addresses.

Answer: A

Question No : 12

Which option is the Cisco recommendation for data oversubscription for access ports on the access-to-distribution uplink?

A. 4 to 1 **B.** 20 to 1 **C.** 16 to 1 **D.** 10 to 1

Answer: B

Question No: 13

Which of these Layer 2 access designs does not support VLAN extensions?

- A. FlexLinks
- **B.** loop-free U
- **C.** looped square
- **D.** looped triangle
- E. loop-free inverted U

Answer: B

Question No : 14

What two sensor types exist in an IDS/IPS solution? (Choose two.)



A. host

- **B.** anomaly based
- C. policy based
- D. network based
- E. signature

Answer: A,D

Question No : 15

Which two modes does LACP support? (Choose two.)

A. onB. passiveC. associatedD. link

Answer: A,B

Question No : 16

Which two options improve BGP scalability in a large autonomous system? (Choose two.)

- A. route reflectors
- B. route redistribution
- C. confederations
- **D.** communities

Answer: A,C

Question No: 17

Which two options are advantages of having a modular design instead of an EOR design in a data center? (Choose two.)

A. cooling constraints **B.** cable bulk

C. decreased STP processing

D. redundancy options

E. cost minimization

F. low-skilled manager

Answer: C,D

Question No : 18

Distinct, physical redundancy within a network layer is a key characteristic that contributes to the high availability of the hierarchical network design. Which of the following is not an examples of this model?

A. SAN extension with dual fabrics such as a yellow VSAN and a blue VSAN utilized via multipath software

B. Redundant power supplies and hot-swappable fan trays in Aggregate switches

C. A single SAN fabric with redundant uplinks and switches

D. Servers using network adapter teaming software connected to dual-attached access switches

Answer: C

Question No : 19

The Cisco Nexus 1000V is intended to address which disadvantage of the VMware vSphere solution?

A. Inability to deploy new functional servers without requiring physical changes on the network

B. Complexity added by the requirement for an ESX host for each virtual machine

C. Network administrators lack control of the access layer of the network

D. To increase the number of physical infrastructure and the virtual machines that can be managed

Answer: C

Question No : 20

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What are two characteristics of Cisco Global Site Selector? (Choose two.)

- A. It helps verify end-to-end path availability.
- B. It provides traffic rerouting in case of disaster.
- **C.** HSRP, GLBP, and VRRP can be clients of GSS.
- **D.** BGP must be the routing protocol between the distributed data centers.
- E. DNS responsiveness is improved by providing centralized domain management.

Answer: B,E

Question No : 21

What is the primary benefit of implementing Virtual Device Contexts on Nexus hardware In a multi-tenant environment?

- A. resource isolation
- **B.** software partitioning
- **C.** resource allocation
- **D.** granular monitoring

Answer: A

Question No : 22

Which of the following is true regarding the effect of EIGRP queries on the network design?

A. EIGRP queries will be the most significant issue with respect to stability and convergence

B. EIGRP queries are not a consideration as long as EIGRP has a feasible successor with a next hop AD that is greater than the FD of the current successor route

C. EIGRP queries will only increase the convergence time when there are no EIGRP stubs designed in the network

Answer: A

Question No: 23

Which option maximizes EIGRP scalability?

- A. route redistribution
- **B.** route redundancy
- **C.** route filtering
- **D.** route summarization

Answer: D

Question No : 24

Which two design recommendations are most appropriate when EIGRP is the data center core routing protocol? (Choose two.)

- A. Summarize data center subnets.
- **B.** Advertise a default route into the data center core from the aggregation layer.
- **C.** Tune the EIGRP timers to enable EIGRP to achieve quicker convergence.
- D. Adjust the default bandwidth value to ensure proper bandwidth on all links.

Answer: A,B

Question No : 25

Which of the following two are effective and simple means of employing route summarization within the Enterprise Campus network? (Choose two)

A. A default route (0.0.0.0 /0) advertised dynamically into the rest of the network

B. Route filtering to manage traffic flows in the network, avoid inappropriate transit traffic through remote nodes, and provide a defense against inaccurate or inappropriate routing updates

- C. Use manual split horizon
- **D.** Use a structured hierarchical topology to control the propagation of EIGRP queries
- E. Open Shortest Path First (OSPF) stub areas

Answer: A,E

Question No : 26