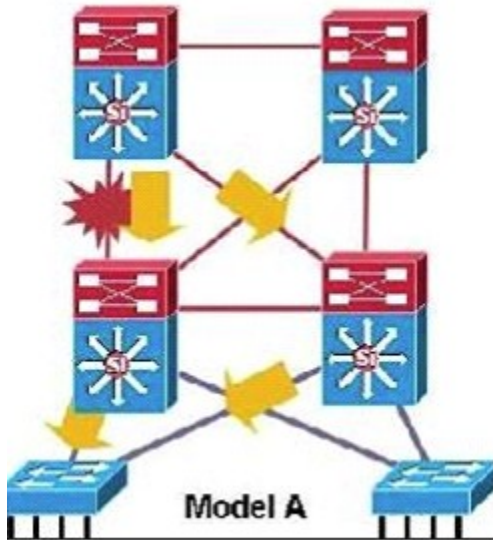


on a pair of Cisco Catalyst 6500 Series Switches. In order to avoid changes to end hosts, the default gateway is carried over to the SVI on the VSS. Why does the implementation plan require a four-hour wait after removing the FHRP configuration?



- A. The VLAN interface MAC address and the FHRP MAC address are different. It takes four hours for the VLAN interface to come up.
- B. The SVI IP address and the FHRP IP address are different. It takes four hours for the SVI to come up.
- C. The VLAN interface MAC address and the FHRP MAC address are different. It takes four hours for the ARP cache to time out.
- D. The VLAN interface IP address and the FHRP IP address are different. It takes four hours for the VLAN interface to come up.
- E. The VLAN interface IP address and the FHRP IP address are different. It takes four hours for the ARP cache to time out.

**Correct Answer: C**

#### QUESTION 173

For a VLAN that requires 70 hosts, which subnet is the most efficient?

- A. 10.0.0.1/8
- B. 172.31.17.0/26
- C. 192.168.1.0/25
- D. 192.168.15.0/24

**Correct Answer: C**

#### QUESTION 174

What is the key limitation of using Internet circuits as a backup to a private enterprise WAN?

- A. circuit bandwidth
- B. prioritization

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- C. security
- D. operational expense

**Correct Answer:** B

### **QUESTION 175**

You are deploying IP Telephony over a WAN. What will be the DSCP value for the voice traffic?

- A. EF
- B. AF41
- C. COS4
- D. BE

**Correct Answer:** A

### **QUESTION 176**

What design requirement is necessary for campus network access layer switching?

- A. high cost per port
- B. high availability
- C. high scalability
- D. high performance

**Correct Answer:** C

### **QUESTION 177**

An organization is redesigning a 3-tier hierarchical network into a collapsed core. What design issue is a primary concern per Cisco best practices?

- A. services delineation
- B. port density
- C. feature availability
- D. resource utilization

**Correct Answer:** D

### **QUESTION 178**

Which option is an object instance than an API identifies using informationmodel-based architecture?

- A. DN
- B. Class
- C. Method
- D. MO

**Correct Answer:** A

**Explanation:**

<https://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/aci-fabric-controller/white-paper-c11-729586.html>

**QUESTION 179**

What are two advantages of employing scalability when designing a campus network? (Choose two.)

- A. reduces operational cost
- B. higher port density
- C. investment protection
- D. consistent operation
- E. improved fault tolerance

**Correct Answer:** DE

**QUESTION 180**

Which two features are supported by single wireless controller deployments? (Choose two.)

- A. automatic detection and configuration of LWAPPs
- B. LWAPP support across multiple floors and buildings
- C. automatic detection and configuration of RF parameters
- D. Layer 2 and Layer 3 roaming
- E. controller redundancy
- F. mobility groups

**Correct Answer:** AB

**QUESTION 181**

A network design shows two routers that are directly connected to an Ethernet switch using optical connections. There is an OSPF adjacency between the routers. In this design, which solution ensures that interface-down detection is reported as quickly as possible to the IGP?

- A. optimized OSPF SPF timers
- B. Bidirectional Forwarding Detection
- C. automatic protection switching
- D. optimized OSPF LSA timers
- E. Ethernet OAM CFM monitoring

**Correct Answer:** B

**QUESTION 182**

Which value must you configure on a Microsoft DHCP server so that Cisco wireless Aps can locate the wireless controllers?

- A. the length value
- B. the IP DHCP pool name
- C. a vendor class identifier
- D. the Type suboption code Oxe1

**Correct Answer:** B

**QUESTION 183**

What are two reasons discontinuous IPv4 networks hinder scalability? (Choose two.)

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- A. routing table bloat
- B. inability to utilize automatic summarization
- C. insufficient IP addresses
- D. slowed packet forwarding
- E. delayed interface queuing

**Correct Answer:** AB

**QUESTION 184**

A large company requests a hierarchical design model. What tier should be free of physically connected hosts?

- A. core
- B. access
- C. aggregation
- D. distribution

**Correct Answer:** A

**QUESTION 185**

Which two design decisions can improve network resiliency? (Choose two.)

- A. implement redundant topology
- B. implement redundant links
- C. implement serial device connections
- D. increase data plane bandwidth
- E. reduce network size

**Correct Answer:** AB

**QUESTION 186**

Which type of structure consists of the addressing, routing protocols, QoS, and security components?

- A. logical
- B. physical
- C. layered
- D. virtual

**Correct Answer:** A

**QUESTION 187**

When designing changes to an existing network, which two options are documented to understand environmental constraint? (Choose two.)

- A. Utilization of network resources
- B. Floor and rack space availability
- C. Host naming conventions
- D. Heating and Air conditioning

E. Location of existing documentation

**Correct Answer:** BD

**QUESTION 188**

Which routing protocol provides the fastest convergence and greatest flexibility within a campus environment?

- A. IS-IS
- B. BGP
- C. OSPF
- D. EIGRP

**Correct Answer:** D

**QUESTION 189**

What are two advantages of a modular design? (Choose two.)

- A. Increased scalability
- B. Security can be implemented at every module
- C. Increased redundancy as you can add modules
- D. Hierarchy included in design

**Correct Answer:** AD

**Explanation:**

<http://www.ciscopress.com/articles/article.asp?p=1073230&seqNum=2>

<https://thwack.solarwinds.com/docs/DOC-175763>

**QUESTION 190**

While designing a remote access VPN, a customer has requested three different levels of access to be granted for administrators, employees, and partners. Which three access policies must be configured for the three groups? (Choose three.)

- A. Partners are centrally authenticated with limited network access controlled with ACLs.
- B. Administrative users have local credentials with full access to the internal infrastructure.
- C. Administrative users are centrally authenticated with full access to the internal infrastructure.
- D. Employee are centrally authenticated with limited network access controlled with ACLs.
- E. Employees are centrally authenticated with full access to the internal infrastructure.
- F. Partners are centrally authenticated with full access to the internal infrastructure.

**Correct Answer:** ACD

**QUESTION 191**

Refer to the exhibit. Which location is best for placing a monitor-only IPS that has visibility into the most data center traffic?