Cisco 642-971

CISCO 642-971 Data Center Networking Infrastructure Design Specialist

Practice Test

Version 1.1

QUESTION NO: 1

Which service module configuration is recommended to automatically detect and block traffic from malicious hosts?

A. IDSM that is deployed in IDS mode
B. FWSM that is coupled with the NAM
C. IDSM that is deployed in IPS mode
D. FWSM

Answer: C

QUESTION NO: 2

You work as the network administrator at Testinsides.com. As far as you know in what entironment when a switched fabric server is required for InfiniBand support, coupled with Ethernet and Fibre Channel integration, which of following?

A. Cisco MDS 9000
B. Cisco MDS 7000
C. Cisco SFS 3000
D. Cisco SFS 7000

Answer: C

QUESTION NO: 3

Refer to the exhibit. In an IBM mainframe configuration, an LPAR is expected to require 100 Mbps. How many physical Gigabit Ethernet mainframe interfaces are required to support this configuration?
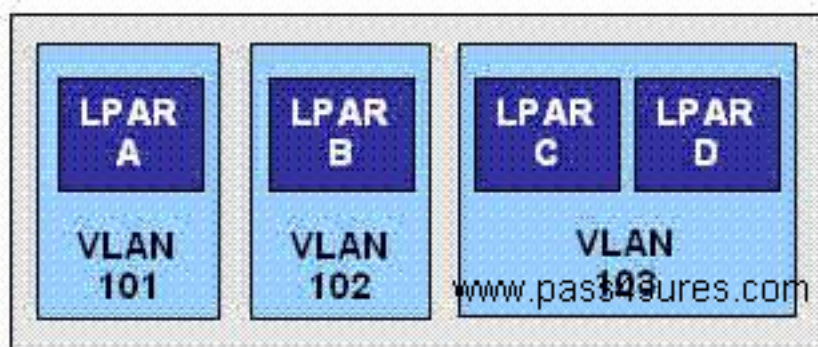
A. three
B. one
C. four

D. two

E. Interface is unsupported on mainframes.

Answer: B

QUESTION NO: 4

What advantage do 10-Gigabit Ethernet uplinks have over EtherChannels?

A. better load balancing of traffic

B. more reliable

C. higher bandwidth

D. faster convergence time

Answer: A

QUESTION NO: 5

You are a help desk trainee for Testinsides.com. As far as you know, which licensing feature set supports the use of VDCs, by using the Cisco Nexus 7010 platform?

A. Enterprise Services

B. Advanced Services

C. Basic Services

D. IP Base

Answer: B

QUESTION NO: 6

Which statement describes the aggregation layer?

A. It does not process server-to-server flows.

B. Changing application requirements lead to higher oversubscription.

C. It has a small STP processing load.

D. It maintains session state and connection tables for redundancy.

Answer: D

QUESTION NO: 7

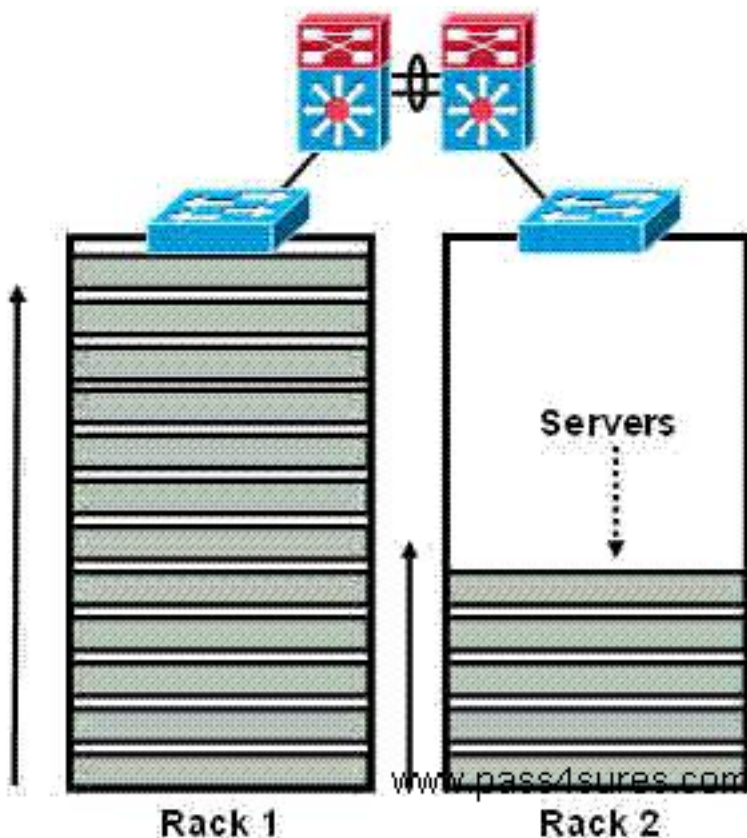In following of ACL types, which of them permits role-based access control?

A. reflexive
B. router
C. security group
D. VLAN

Answer: A

QUESTION NO: 8

Refer to the exhibit.

Your customer is filling server racks sequentially, filling one rack before beginning the next. Which two access layer designs present challenges in this environment? (Choose two.)

A. Layer 3
B. Layer 2 loop-free U
C. Layer 2 loop-free inverted U
D. Layer 2 looped triangle
E. Layer 2 looped square

Answer: A,B

QUESTION NO: 9

Which statement describes an IDSM module operating in inline rather than promiscuous mode?

A. higher throughput
B. higher latency
C. lower throughput
D. lower latency
E. lower latency and higher throughput
F. higher latency and lower throughput

Answer: B

QUESTION NO: 10

Refer to the exhibit. A data center network is configured as follows:

ACE modules
active/active failover pair
core-to-aggregation traffic load balanced
load balancing via Layer 3 source-destination IP address hashing

Which statement represents the best advice?
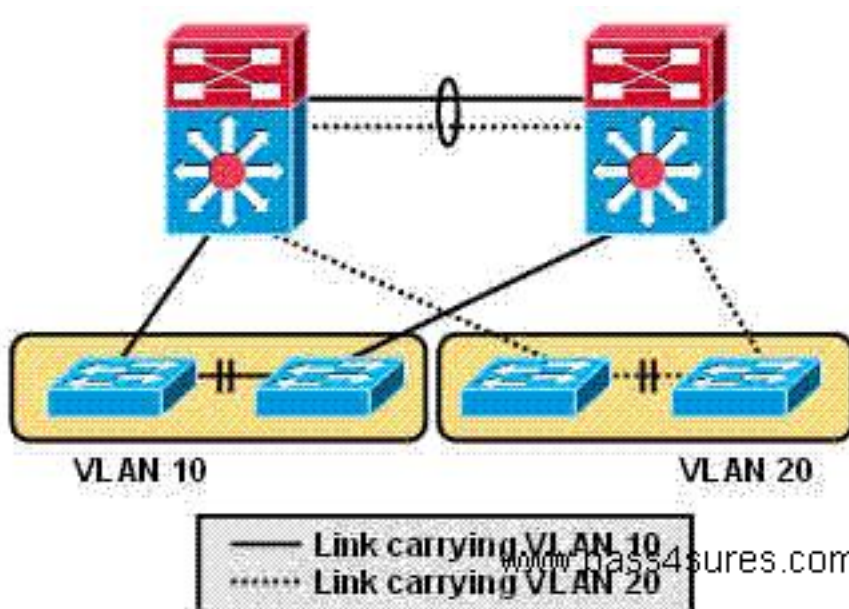
A. The design should use Layer 2 load balancing for core-to-aggregation traffic.
B. The design is correct as shown.
C. The design should use Layer 4 port-based load balancing for core-to-aggregation traffic.
D. The design should use RHI to route core-to-aggregation traffic.

Answer: D

QUESTION NO: 11

You are a Cisco engineer of Testinsides.com. There has a problem when you configure the company network: asymmetric connection attempts in the aggregation layer are occurring on redundant Cisco Catalyst 6500 Series FWSM modules(Refer to the exhibit). What can you do to prevent this problem?
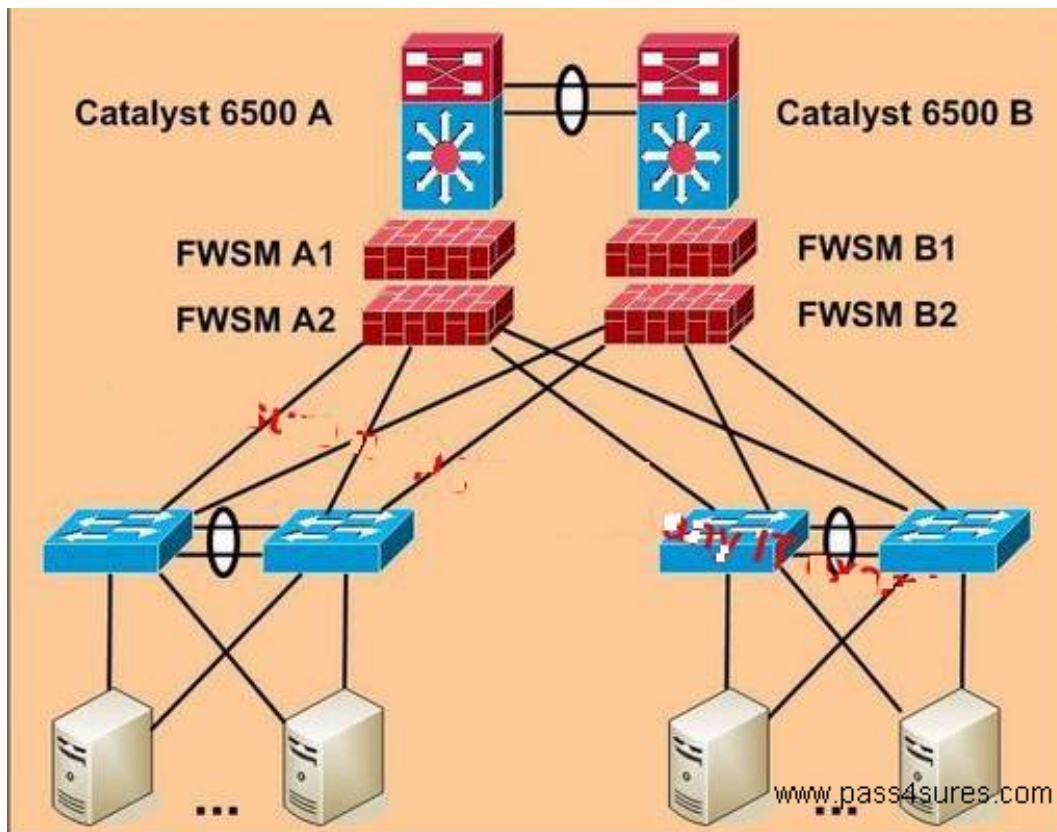
A. Implement route tuning and root guard.
B. Configure round-robin load balancing between the Cisco Catalyst 6500 Series FWSM modules.
C. Add more Cisco Catalyst 6500 Series FWSM modules to each Cisco Catalyst 6500 switch.
D. Reduce the oversubscription on the aggregation-to-access links.

Answer: A

QUESTION NO: 12

You work as a Cisco engineer at Testinsides.com. You are deploying the company network, it requires that FCoE extends the reach of Fibre Channel throughout the data center, so which action you need to perform to meet the requirement?

A. multiplexing Fiber Channel and Ethernet on the same physical media

B. encapsulating Fiber Channel frames into Ethernet frames

C. segregating Fiber Channel and Ethernet traffic at the data plane

D. allocating separateEtherChannels for LAN and SAN traffic
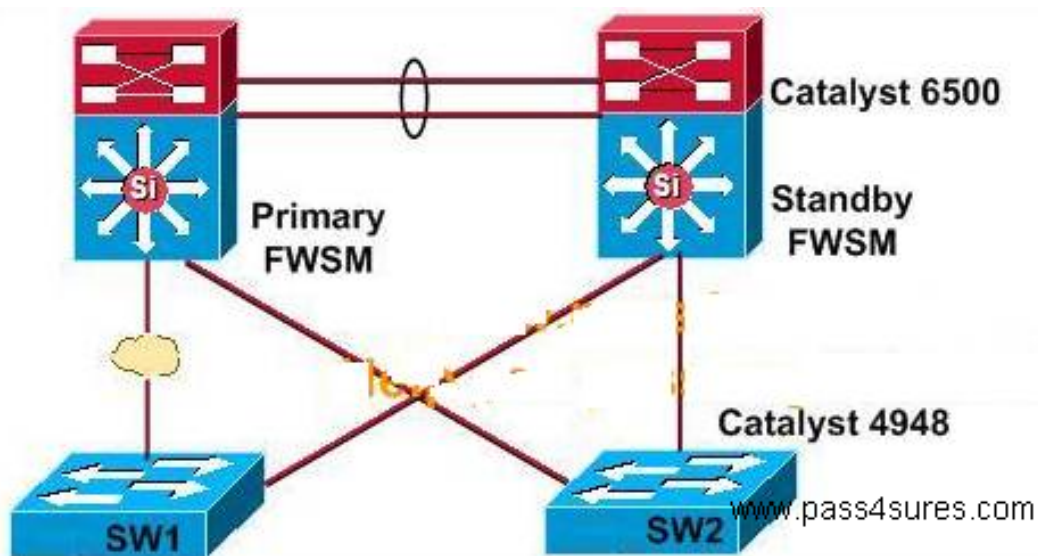
Answer: B

QUESTION NO: 13

You work as a systems administrator at Testinsides.com. In order to realize to service multicast traffic in a data center environment, what three of following options are effective ways? (Choose three.)

A. configuring service modules in transparent or bridged mode

B. configuring IGMP/PIM in the Cisco Catalyst 6500 Series FWSM

C. configuring IGMP/PIM in the MSFC on a Cisco Catalyst 6500 switch

D. deploying VRFs per address family

Answer: A,B,C

QUESTION NO: 14

You are the senior desktop administrator for Testinsides.com. A customer met a trouble: A failure occurs on one of the access layer uplinks(Refer to the exhibit). With your experience, which Layer 2 topology can cause a break in connectivity between the FWSMs?

A. looped square

B. loop-free U

C. looped triangle

D. loop-free inverted U

Answer: B

QUESTION NO: 15

According to the Cisco Network Foundation Protection model, which security feature is recommended for the data center core layer?

A. traffic rate limiting
B. Dynamic ARP Inspection
C. prefix filtering
D. control plane protection

Answer: D

QUESTION NO: 16

You are a help desk trainee for Testinsides.com. One of your potential customers requires to protect the supervisor of a Cisco Nexus 7000 switch, so which two functions are performed by the CoPP feature performs? (Choose two.)

A. providesDoS protection independent from interface capabilities
B. focuses on access and authentication attacks
C. drops packets with unknown sources
D. separates data plane packets from control plane packets

Answer: A,D

QUESTION NO: 17

Which statement is correct about the Cisco Catalyst 4948 Switch?

A. performs only Layer 2 switching
B. balances lower cost with lower-performance access layer switching
C. has up to 48-Gbps wire-speed performance
D. isnonblocking

Answer: D

QUESTION NO: 18

You are the senior desktop administrator for Testinsides.com. The company needs to promote STP stability with the use of enhanced features like UDLP, loop guard, and BPDU guard, so which access layer design should be applied?

A. any model using PVST+
B. triangle topologies
C. U and inverted U models
D. loop-free models

Answer: B

QUESTION NO: 19

Which Cisco Catalyst switch model is recommended for the data center core?

A. Cisco Catalyst 6509 Switch
B. Cisco Catalyst 6513 Switch
C. Cisco Catalyst 6506 Switch
D. Cisco Catalyst 6509 or 6513 Switch

Answer: A

QUESTION NO: 20

You are a help desk trainee for Testinsides.com. As much as you know, which two benefits of a VSS environment decrease overhead at the distribution layer? (Choose two.)

A. reduced reliance ontrunking protocols
B. reduced reliance on STP
C. reduced reliance on HSRP
D. reduced reliance on nonstop forwarding (NSF) withstateful switchover (SSO)

Answer: B,C

QUESTION NO: 21

When hosts are noncompliant with security policies, which Cisco Catalyst 4948 Switch feature allows them to be isolated from the network?

A. IP Source Guard
B. unicast MAC filtering

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