



Vendor: Cisco

Exam Code: 642-874

Exam Name: Designing Cisco Network Service
Architectures (ARCH)

Version: DEMO

QUESTION 1

Which Cisco NAC Appliance component is optional?

- A. NAC Appliance Manager
- B. NAC Appliance Server
- C. NAC Appliance Agent
- D. NAC Appliance Policy Updates

Answer: C

QUESTION 2

Which two key components are related to one firewall per ISP design option for e-commerce? (Choose two.)

- A. It is a common approach to single-homing.
- B. This approach is commonly used in large sites.
- C. Any failure on an edge router results in a loss of session.
- D. It has one NAT to two ISP-assigned blocks.
- E. It is difficult to set up and administer.

Answer: CD

QUESTION 3

Which NAC design model matches the following definitions?

- NAS is deployed centrally in the core or distribution layer.
- Users are multiple hops away from the Cisco NAS.
- After authentication and posture assessment, the client traffic no longer passes through the Cisco NAS.
- PBR is needed to direct the user traffic appropriately.

- A. Layer 3 in-band virtual gateway
- B. Layer 3 out-of-band with addressing
- C. Layer 2 in-band virtual gateway
- D. Layer 2 out-of-band virtual gateway

Answer: B

QUESTION 4

Which option is a recommended firewall topology?

- A. using two firewalls with stateful failover switched mode
- B. using one firewall with NAT enabled in transparent mode
- C. using two firewalls in active/active mode
- D. using one firewall with stateful failover enabled in routed mode

Answer: C

QUESTION 5

Which three options are recommended practices when configuring VTP? (Choose three.)

- A. Set the switch to transparent mode.
- B. Set the switch to server mode.
- C. Enable VLAN pruning.
- D. Disable VLAN pruning.
- E. Specify a domain name.
- F. Clear the domain name.

Answer: ADE

QUESTION 6

Which two of these correctly describe asymmetric routing and firewalls? (Choose two.)

- A. only operational in routed mode
- B. only operational in transparent mode
- C. only eight interfaces can belong to an asymmetric routing group
- D. operational in both failover and non-failover configurations
- E. only operational when the firewall has been configured for failover

Answer: CD

QUESTION 7

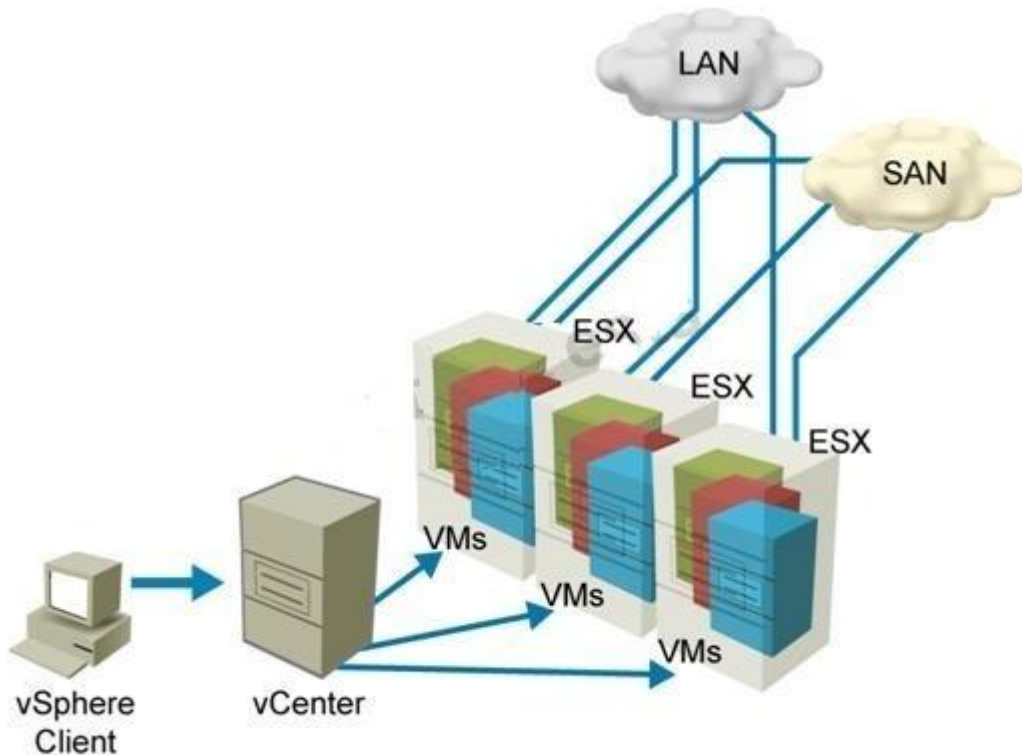
Which of the following two statements about Cisco NSF and SSO are the most relevant to the network designer? (Choose two.)

- A. You can reduce outages to 1 to 3 seconds by using SSO in a Layer 2 environment or Cisco NSF with SSO in a Layer 3 environment.
- B. SSO and NSF each require the devices to either be graceful restart-capable or graceful restart-aware.
- C. In a fully redundant topology adding redundant supervisors with NSF and SSO may cause longer convergence times than single supervisors with tuned IGP timers
- D. The primary deployment scenario for Cisco NSF with SSO is in the Distribution and Core layers.
- E. Cisco NSF-aware neighbor relationships are independent of any tuned IGP timers

Answer: AC

QUESTION 8

Refer to the exhibit. Which of the following two are advantages of Server virtualization using VMware vSphere? (Choose two)



- A. Retains the one-to-one relationship between switch ports and functional servers
- B. Enables the live migration of a virtual server from one physical server to another without disruption to users or loss of services
- C. The access layer of the network moves into the vSphere ESX servers, providing streamlined vSphere management
- D. Provides management functions including the ability to run scripts and to install third-party agents for hardware monitoring, backup, or systems management
- E. New functional servers can be deployed with minimal physical changes on the network

Answer: BD

QUESTION 9

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: AE

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