



# 642-874<sup>Q&As</sup>

Designing Cisco Network Service Architectures

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**QUESTION 1**

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

Correct Answer: AC

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**QUESTION 2**

The requirement for high availability within the Data Center network may cause the designer to consider which one of the following solutions?

- A. Construct a hierarchical network design using EtherChannel between a server and two VDCs from the same physical switch
- B. Utilize Cisco NSF with SSO to provide intrachassis SSO at Layers 2 to 4
- C. Define the Data Center as an OSPF NSSA area, advertising a default route into the DC and summarizing the routes out of the NSSA to the Campus Core
- D. Implement network services for the Data Center as a separate services layer using an active/active model that is more predictable in failure conditions

Correct Answer: B

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**QUESTION 3**

What feature is a benefit of using Cisco UCS blade servers for data center virtualization?

- A. guest VM high availability
- B. converged LAN and SAN infrastructure
- C. host based etherchannel
- D. built-in hypervisor

Correct Answer: B

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#### QUESTION 4

Which option is the primary reason to implement security in a multicast network?

- A. maintain network operations
- B. allow multicast to continue to function
- C. optimize multicast utilization
- D. ensure data streams are sent to the intended receivers

Correct Answer: A

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#### QUESTION 5

Which option is the Cisco preferred, most versatile, and highest-performance way to deploy IPv6 in existing IPv4 environments?

- A. dual stack
- B. hybrid
- C. service block
- D. dual service

Correct Answer: A

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