



# 642-873<sup>Q&As</sup>

Designing Cisco network Service Architectures (ARCH)

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### QUESTION 1

Which two protocol characteristics should be most considered when designing a single unified fabric for the Data Center? (Choose two.)

- A. FCIP or FCoE allow for easier integration by using the Fibre Channel Protocol (FCP) and Fibre Channel framing
- B. iSCSI uses a special EtherType and an additional header containing additional control information
- C. FCIP and iSCSI has higher overhead than FCoE owing to TCP/IP
- D. FCoE was initially developed to be used as a switch-to-switch protocol, while FCIP is primarily meant to be used as an access layer protocol to connect hosts and storage to a Fibre Channel SAN
- E. FCoE requires gateway functionality to integrate into an existing Fibre Channel network

Correct Answer: AC

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### QUESTION 2

Which unique characteristics of the Data Center Aggregation layer must be considered by an Enterprise Campus designer?

- A. Layer 3 routing between the Access and Aggregation layers facilitates the ability to span VLANs across multiple access switches, which is a requirement for many server virtualization and clustering technologies.
- B. "East-west" server-to-server traffic can travel between aggregation modules by way of the core, but backup and replication traffic typically remains within an aggregation module.
- C. Load balancing, firewall services, and other network services are commonly integrated by the use of service modules that are inserted in the aggregation switches.
- D. Virtualization tools allow a cost effective approach for redundancy in the network design by using two or four VDCs from the same physical switch.

Correct Answer: C

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### QUESTION 3

Which of these statements is correct regarding Stateful Switchover and Cisco Nonstop Forwarding?

- A. Utilizing Cisco NSF in Layer 2 environments can reduce outages to one to three seconds.
- B. Utilizing SSO in Layer 3 environments can reduce outages to one to three seconds.
- C. Distribution switches are single points of failure causing outages for the end devices.
- D. Utilizing Cisco NSF and SSO in a Layer 2 environment can reduce outages to less than one second.
- E. NSF and SSO with redundant supervisors have the most impact on outages at the access layer.



Correct Answer: E

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#### QUESTION 4

Which algorithm does IS-IS use to determine the shortest path through a network?

- A. Bellman-Ford routing algorithm
- B. Johnson's algorithm
- C. Dijkstra's algorithm
- D. Floyd-Warshall algorithm

Correct Answer: C

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#### QUESTION 5

Which three options are basic technical metrics that a good SLA includes? (Choose three.)

- A. packet loss
- B. devices
- C. latency
- D. clients
- E. IP availability
- F. distance

Correct Answer: ACE

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