

# 400-007 Test Duration | Reliable 400-007 Latest Study Plan: Cisco Certified Design Expert (CCDE) Written Exam



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## Cisco Certified Design Expert (CCDE) Written Exam Sample Questions (Q273-Q278):

### NEW QUESTION # 273

Refer to the exhibit.

□

As part of a redesign project, you must predict multicast behavior. What happens to the multicast traffic received on the shared tree (\*,G), if it is received on the LHR interface indicated\*?

- A. It is switched due to a successful RPF check against the routing table
- B. It is dropped due to an unsuccessful RPF check against the multicast receiver.
- C. It is dropped due to an unsuccessful RPF check against the multicast source
- D. It is switched given that no RPF check is performed

**Answer: A**

Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/multicast/16450-mcastguide0.html> When a multicast packet arrives on an interface, the RPF process checks to ensure that this incoming interface is the outgoing interface used by unicast routing in order to reach the source of the multicast packet. This RPF check process prevents loops. Multicast routing does not forward a packet unless the source of the packet passes a RPF check. Once a packet passes this RPF check, multicast routing forwards the packet based only upon the destination address.

#### NEW QUESTION # 274

Which protocol does an SD-Access wireless Access Point use for its fabric data plane?

- A. CAPWAP
- B. MPLS
- C. LISP
- D. GRE
- E. VXLAN

**Answer: E**

Explanation:

In Cisco SD-Access architecture, fabric-enabled wireless APs connect to the network using CAPWAP for control, but their data plane is integrated into the fabric overlay using VXLAN (Virtual Extensible LAN).

\* VXLAN is the data plane encapsulation used between fabric nodes, including wireless APs that are part of the SD-Access fabric.

\* While CAPWAP (E) remains in use for management and control communication between the AP and wireless LAN controller (WLC), actual user traffic is encapsulated in VXLAN for fabric forwarding.

This separation of control and data plane ensures seamless mobility, segmentation, and policy enforcement within the SD-Access fabric.

#### NEW QUESTION # 275

Company XYZ is planning to deploy primary and secondary (disaster recovery) data center sites. Each of these sites will have redundant SAN fabrics and data protection is expected between the data center sites. The sites are 100 miles (160 km) apart and target RPO/RTO are 3 hrs and 24 hrs, respectively. Which two considerations must Company XYZ bear in mind when deploying replication in their scenario? (Choose two.)

- A. Target RPO/RTO requirements cannot be met due to the one-way delay introduced by the distance between sites.
- B. VSANs must be extended from the primary to the secondary site to improve performance and availability.
- C. Asynchronous data replication should be used in this scenario to avoid performance impact in the primary site.
- D. VSANs must be routed between sites to isolate fault domains and increase overall availability.
- E. Synchronous data replication must be used to meet the business requirements

**Answer: C,E**

Explanation:

synchronous data replication must be used to meet the business requirements, is incorrect. As described above, asynchronous replication would be a better choice in this scenario due to the distance between the data center sites and the target RPO/RTO requirements.

asynchronous data replication should be used in this scenario to avoid performance impact in the primary site, is correct.

Asynchronous replication would allow Company XYZ to meet the target RPO/RTO requirements while avoiding the performance impact of synchronous replication.



