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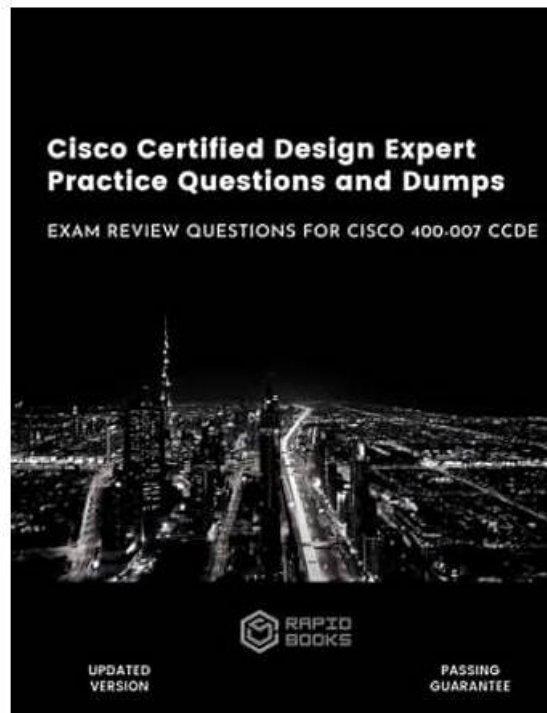
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Cisco 400-007 is a certification exam that tests the knowledge and skills of individuals in the area of network design. As part of the Cisco Certified Design Expert (CCDE) program, the exam is designed to validate the expertise of network designers in various industries, including service providers, large enterprises, and government agencies.

The Cisco 400-007 Exam is necessary to obtain the CCDE certification. It will go live at the beginning of November 2021 and will be part of the new certification path for the CCDE designation.

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To be eligible to take the Cisco 400-007 Exam, candidates must have a valid CCNA or CCNP certification. They must also have at least five years of experience in network design, implementation, and troubleshooting. Candidates who meet these requirements can register for the exam through the Cisco website and schedule their exam at a testing center near them.

# Cisco Certified Design Expert (CCDE) Written Exam Sample Questions (Q136-Q141):

## NEW QUESTION # 136
Company XYZ is planning multicast routing over a mixed-vendor private WAN. What technique helps minimize PIM sparse mode configuration complexity?

- A. PIM sparse mode with RP using Auto-RP to announce itself
- B. PIM dense mode with RP using BSR to announce itself
- C. PIM dense mode with RP using Auto-RP to announce itself
- D. PIM sparse mode with RP using BSR to announce itself

**Answer: D**

Explanation:
#Explanation:
* D: PIM Sparse Mode with RP advertisement via BSR (Bootstrap Router) is more standards-based and interoperable across vendors compared to Auto-RP, which is Cisco-proprietary. Using BSR minimizes manual RP configuration and supports multi-vendor environments.
Incorrect options:
* A and C: Dense mode is inefficient and doesn't scale well, especially on WANs.
* B: Auto-RP is Cisco-proprietary and may not work across mixed vendor routers.

## NEW QUESTION # 137
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. VSANs must be extended from the primary to the secondary site to improve performance and availability.
- B. Synchronous data replication must be used to meet the business requirements
- C. Asynchronous data replication should be used in this scenario to avoid performance impact in the primary site.
- D. Target RPO/RTO requirements cannot be met due to the one-way delay introduced by the distance between sites.
- E. VSANs must be routed between sites to isolate fault domains and increase overall availability.

**Answer: C,E**

## NEW QUESTION # 138
An enterprise solution team is performing an analysis of multilayer architecture and multicontroller SDN solutions for multisite deployments. The analysis focuses on the ability to run tasks on any controller via a standardized interface. Which requirement addresses this ability on a multicontroller platform?

- A. Build direct physical connectivity between different controllers.
- B. Use the East-West API to facilitate replication between controllers within a cluster.
- C. Deploy a root controller to gather a complete network-level view.
- D. Use OpenFlow to implement and adapt new protocols.

**Answer: C**

**NEW QUESTION # 139**

Which mechanism provides Layer 2 fault isolation between data centers?

- A. OTL
- B. LISP
- C. TRILL
- D. advanced VPLS
- E. fabric path

**Answer: B**

**NEW QUESTION # 140**

A healthcare customer requested that SNMP traps must be sent over the MPLS Layer 3 VPN service.
Which protocol must be enabled?

- A. SNMPv3
- B. Syslog TLS
- C. SSH
- D. SNMPv2
- E. Syslog

**Answer: A**

**NEW QUESTION # 141**

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