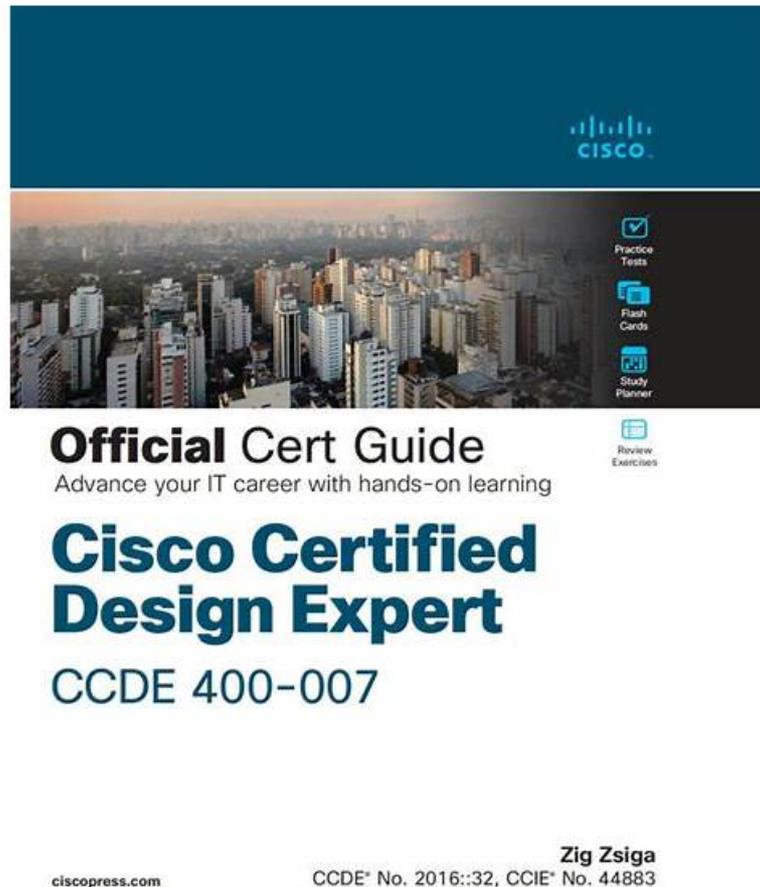


# Pass Guaranteed 400-007 - Accurate Valid Cisco Certified Design Expert (CCDE v3.0) Written Exam Test Objectives



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Cisco 400-007 exam consists of multiple-choice questions and simulation-based questions. The simulation-based questions are designed to test candidates' ability to design and configure complex networks. 400-007 exam is three hours long, and candidates must score at least 80% to pass.

Cisco Certified Design Expert (CCDE v3.0) Written Exam, also known as the Cisco 400-007 exam, is a certification exam that tests the knowledge and skills of network design experts. 400-007 Exam is designed to validate the candidate's expertise in the design of complex network solutions and architectures. Cisco Certified Design Expert (CCDE v3.0) Written Exam certification is highly respected in the industry and is a prerequisite for many high-level networking positions.

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## Exam –Reliable Valid Test Objectives

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### Cisco Certified Design Expert (CCDE v3.0) Written Exam Sample Questions (Q238-Q243):

#### NEW QUESTION # 238

What is a disadvantage of the traditional three-tier architecture model when east-west traffic between different pods must go through the distribution and core layers?

- A. Security
- B. High latency
- C. Low bandwidth
- D. Scalability

**Answer: B**

Explanation:

\* D: Traditional three-tier architectures (access, distribution, and core layers) require that east-west traffic (between servers or pods in different access layers) traverse up to the distribution or core and then back down-introducing unnecessary hops and latency. This is a key design limitation addressed by spine- leaf and fabric architectures.

Other options:

- \* A: Bandwidth may be sufficient but not optimally utilized due to suboptimal pathing.
- \* B: Security is not inherently compromised by architecture, although microsegmentation is harder.
- \* C: Three-tier architectures can scale, but less efficiently and not without trade-offs like latency and complexity.

#### NEW QUESTION # 239

A small organization of 20 employees is looking to deliver a network design service for modernizing customer networks to support advanced solutions.

- \* Project scope and weekly progress should be visualized by the management.
- \* Always consider feedback and make changes accordingly during the project.
- \* Should consider flexibility to change scope at the point of time.

Which project methodology meets the requirements and have the least impact on the outcome?

- A. Six-Sigma
- B. Kanban
- C. LEAN
- D. Scrum

**Answer: D**

Explanation:

<https://firebrand.training/uk/blog/scrum-vs-six-sigma-which-one-is-right-for-you>

#### NEW QUESTION # 240

A network hacker is trying to interrupt the transport packet on IPSEC. A packet with duplicate sequence numbers is introduced. The customer sends high-priority traffic during this window.

Which design parameter should be considered to mitigate this issue?

- A. Apply anti-replay window 4096.
- B. Restrict keyword in IPSEC Tunnel.
- C. Increase QoS shape policy.
- D. Classify and Mark duplicate sequence packets.

Answer: A

### NEW QUESTION # 241

Refer to the exhibit.



The enterprise customer wants to stream one-way video from their head office to eight branch offices using multicast. Their current service provider provides a Layer3 VPN solution and manages the CE routers, but they do not currently support multicast. Which solution quickly allows this multicast traffic to go through while allowing for future scalability?

- A. Enable a GRE tunnel between nodes C1 and C4
- B. Implement hub and spoke MPLS VPN over DMVPN (also known as 2547o DMVPN) between CE1 and CE2
- C. Enable a GRE tunnel between nodes CE1 and CE2
- D. Enable a GRE tunnel between nodes C2 and C4
- E. The service provider must provide a Draft Rosen solution to enable a GRE tunnel between nodes PE1 and PE2

Answer: D

### NEW QUESTION # 242

You are tasked with the design of a high available network. Which two features provide fail closed environments? (Choose two.)

- A. EIGRP
- B. MST
- C. RPVST+
- D. L2MP

Answer: B,C

Explanation:

\* B (RPVST+ - Rapid Per VLAN Spanning Tree Plus): Provides fast convergence while blocking redundant paths to prevent loops - fail closed behavior under failure scenarios.

\* C (MST - Multiple Spanning Tree): Provides loop prevention and isolates failures to specific instances (VLANs), maintaining fail closed protection.

Why other options are incorrect:

\* A: EIGRP is a routing protocol; does not operate at Layer 2 to provide fail-closed loop protection.

\* D: L2MP (Layer 2 Multipathing) allows multiple active links but requires additional loop prevention mechanisms.

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### NEW QUESTION # 243

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