



# 400-007<sup>Q&As</sup>

Cisco Certified Design Expert (CCDE Written)

## Pass Cisco 400-007 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.passapply.com/400-007.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco  
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers





### QUESTION 1

Which two advantages of using DWDM over traditional optical networks are true? (Choose two.)

- A. inherent topology flexibility and service protection provided without penalty through intelligent oversubscription of bandwidth reservation
- B. ability to expand bandwidth over existing optical Infrastructure
- C. inherent topology flexibility with built-in service protection
- D. inherent topology flexibility with intelligent chromatic dispersion
- E. inherent topology flexibility with a service protection provided through a direct integration with an upper layer protocol

Correct Answer: BC

Two advantages of using Dense Wavelength Division Multiplexing (DWDM) over traditional optical networks are:

**Increased Capacity:** DWDM allows for the multiplexing of multiple optical signals onto a single fiber, increasing the capacity of an optical network. This makes it possible to transmit a large amount of data over long distances without the need for additional physical fibers.

**Improved Reliability:** DWDM provides a more resilient and reliable network by allowing for the transmission of multiple optical signals at different wavelengths over a single fiber. In the event of a fiber cut or other failure, the network can reroute traffic over a different wavelength, minimizing downtime and disruptions.

---

### QUESTION 2

A BGP route reflector in the network is taking longer than expected to coverage during large network changes. Troubleshooting shows that the router cannot handle all the TCP acknowledgements during route updates. Which action can be performed to tune the device performance?

- A. Increase the size of the hold queue.
- B. Increase the size of the large buffers.
- C. Decrease the size of the small buffers.
- D. Increase the keepalive timers for each BGP neighbor.

Correct Answer: A

---

### QUESTION 3

A network security team uses a purpose-built tool to actively monitor the campus network, applications, and user activity. The team also analyzes enterprise telemetry data from IPFIX data records that are received from devices in the campus network. Which action can be taken based on the augmented data?

- A. reduction in time to detect and respond to threats



- B. integration with an incident response plan
- C. adoption and improvement of threat-detection response
- D. D. asset identification and grouping decisions

Correct Answer: A

---

#### QUESTION 4

Which best practice ensures data security in the private cloud?

- A. Use IPsec for communication between unsecured network connection
- B. Encrypt data at rest and in transition.
- C. Use the same vendor for consistent encryption.
- D. Anonymize data ownership to comply with privacy rules.

Correct Answer: B

Reference: <https://www.bmc.com/blogs/hybrid-cloud-security/>

---

#### QUESTION 5

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. low bandwidth
- B. security
- C. scalability
- D. high latency

Correct Answer: A

Its about east-west traffic, latency would not be main concern, its the the bandwidth. 3-tier design inherently enforces to have less links on the core / distribution layer, and as the east-west traffic rapidly grows, we may ran out of ports on core/ distri switches (being only few switches, can't be added on the go)

---

#### QUESTION 6

Which SDN architecture component is used by the application layer to communicate with the control plane layer to provide instructions about the resources required by applications?

- A. southbound APIs



- B. northbound APIs
- C. orchestration layer
- D. SDN controller

Correct Answer: B

---

#### QUESTION 7

A banking customer determines that it is operating POS and POI terminals that are noncompliant with PCI DSS requirements, as it is running TLSv1.0. The customer plans to migrate the terminals to TLSv1.2. What are two requirements to complete the migration? (Choose two.)

- A. Ensure that strong cryptography is applied for users who have administrative access through networks
- B. Apply strong cryptography and security protocols to safeguard sensitive cardholder data.
- C. Apply strong encryption for transmission of cardholder data across public networks.
- D. Protect all user systems against malware and frequently update antivirus software
- E. Maintain a policy that addresses information security for employees and third parties.

Correct Answer: BC

---

#### QUESTION 8

Which actions are performed at the distribution layer of the three-layer hierarchical network design model? (Choose two)

- A. Fast transport
- B. Reliability
- C. QoS classification and marking boundary
- D. Fault isolation
- E. Redundancy and load balancing

Correct Answer: DE

---

#### QUESTION 9

Which two aspects are considered when designing a dual hub dual DMVPN cloud topology? (Choose two )

- A. will only work with single-tier headend architecture



- B. hub sites must connect to both DMVPN clouds
- C. recommended for high availability
- D. spoke-to-spoke traffic will transit the hub unless spokes exchange dynamic routing directly
- E. requires all sites to have dual Internet connections

Correct Answer: AC

---

#### QUESTION 10

Your network operations team is deploying Access Control Lists (ACLs) across your Internet gateways. They wish to place an ACL inbound on the Internet gateway interface facing the core network (the "trusted" interface). Which IP address would the ACL need for traffic sourced from the inside interface, to match the source address of the traffic?

- A. inside global
- B. outside global
- C. inside local
- D. outside local

Correct Answer: C

---

#### QUESTION 11

A key to maintaining a highly available network is building in the appropriate redundancy to protect against failure. This redundancy is carefully balanced with the inherent complexity of redundant systems. Which design consideration is relevant for enterprise WAN use cases when it comes to resiliency?

- A. Design in a way that expects outages and attacks on the network and its protected resources
- B. The design approach should consider simple and centralized management aspect
- C. Design in a way that it simplifies and improves ease of deployment
- D. Design automation tools wherever it is appropriate for greater visibility

Correct Answer: A

---

#### QUESTION 12

Identity and access management between multiple users and multiple applications has become a mandatory requirement for Company XYZ to fight against ever increasing cybersecurity threats. To achieve this, federated identity services have been deployed in the Company XYZ network to provide single sign-on and Multi-Factor Authentication for the applications and services. Which protocol can be used by Company XYZ to provide authentication and authorization services?

- A. OAuth2



- B. OpenID Connect
- C. OpenID
- D. SAML2.0

Correct Answer: D

OpenID lacks user authorization data (such as permissions) and focuses primarily on identity assertion.

---

### QUESTION 13

Which two factors must be considered for high availability in campus LAN designs to mitigate concerns about unavailability of network resources? (Choose two.)

- A. device resiliency
- B. device type
- C. network type
- D. network resiliency
- E. network size

Correct Answer: AD

---

### QUESTION 14

Company XYZ has 30 sites running a legacy private WAN architecture that connects to the Internet via multiple high-speed connections. The company is now redesigning their network and must comply with these design requirements:

1.  
Use a private WAN strategy that allows the sites to connect to each other directly and caters for future expansion.
2.  
Use the Internet as the underlay for the private WAN.
3.  
Securely transfer the corporate data over the private WAN.

Which two technologies should be incorporated into the design of this network? (Choose two.)

- A. S-VTI
- B. IPsec
- C. DMVPN
- D. GET VPN



E. PPTP

Correct Answer: CD

GETVPN alongwith DMVPN can be run over internet, see below: [https://lostintransit.se/2016/02/12/ccde-introduction-to-get-vpn-and-get-vpn-design-considerations/?doing\\_wp\\_cron=1682702436.4848649501800537109375](https://lostintransit.se/2016/02/12/ccde-introduction-to-get-vpn-and-get-vpn-design-considerations/?doing_wp_cron=1682702436.4848649501800537109375)

---

#### QUESTION 15

When an SDN-based model is used to transmit multimedia traffic, which aspect should an architect consider while designing the network?

- A. QoE estimation
- B. security
- C. traffic patterns
- D. flow forwarding

Correct Answer: A

[400-007 PDF Dumps](#)

[400-007 VCE Dumps](#)

[400-007 Exam Questions](#)