

2025 400-007: Cisco Certified Design Expert (CCDE v3.0) Written Exam Perfect Valid Exam Tips



Cisco Certified Design Expert (CCDE) v3.0

A brochure for the Cisco Certified Design Expert (CCDE) v3.0 certification. It features a dark blue background with white and light blue text. The left side contains the text "Your license to design" and "The result? The business gets solutions that meet their requirements, fit their budget and schedule, and address today's needs with a view to the future. You get all the glory. The CCDE enables you to design for the changing needs of a complex world." The right side is titled "Benefits" and lists three items: "Prove your status as a technical visionary", "Validate your expertise in both the technology and business arenas", and "Demonstrate your mastery of the art and science of network design". The bottom of the brochure includes the text "© 2021 Cisco and/or its affiliates. All rights reserved." and the Cisco logo.

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Cisco 400-007 exam covers a wide range of topics related to network design, including design methodologies, network architecture, routing and switching, security, and network management. Candidates must have a deep understanding of these topics and be able to apply their knowledge to real-world scenarios in order to pass the exam. Additionally, candidates must have good communication skills, as the exam also tests their ability to communicate effectively with clients and stakeholders. Passing the Cisco 400-007 Exam is a significant achievement and is highly valued in the industry, as it demonstrates a high level of expertise in network design.

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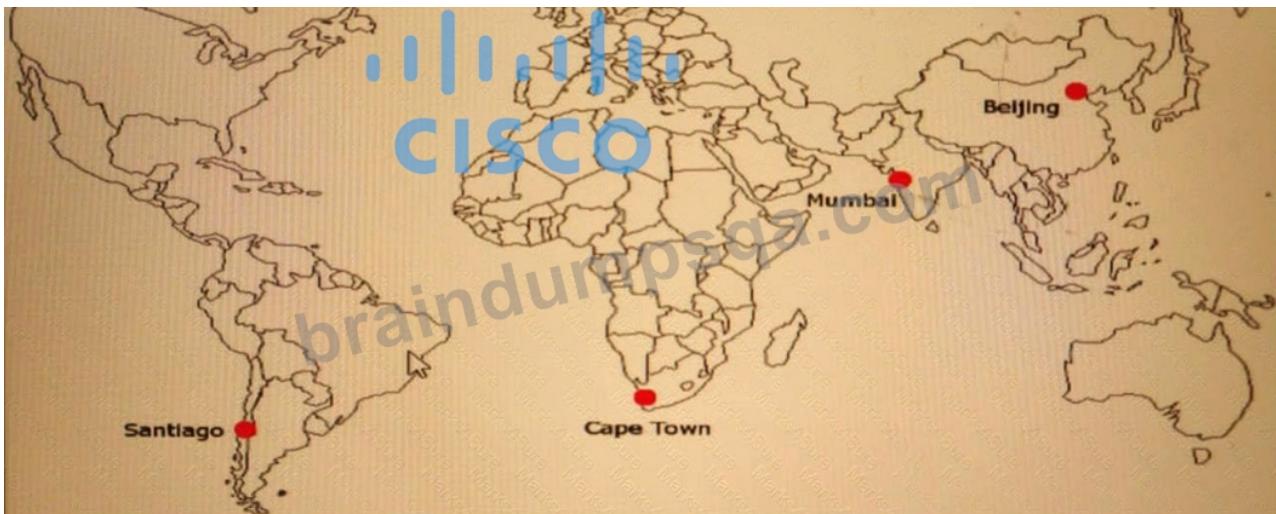
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Our web-based practice exam software is an online version of the Cisco 400-007 practice test. It is also quite useful for instances when you have internet access and spare time for study. To study and pass the Cisco 400-007 Certification Exam on the first attempt, our Cisco 400-007 practice test software is your best option.

Cisco Certified Design Expert (CCDE v3.0) Written Exam Sample Questions (Q278-Q283):

NEW QUESTION # 278

Refer to the exhibit.



ACME Mining has four data centers in Santiago, Cape Town, Mumbai, and Beijing, full-mesh connected via a 400 Mb/s EVP-LAN. They want to deploy a new mission-critical application with these requirements:

- * cluster heartbeat 2 Mb/s continuous (250 KB/s)
- * cluster heartbeat one-way maximum latency 100 ms

These are the current ping tests results between the four data centers:

	Santiago	Cape Town	Mumbai	Beijing
Santiago	-	280 ms	378 ms	409 ms
Cape Town	280 ms	-	185 ms	445 ms
Mumbai	383 ms	176 ms	-	443 ms
Beijing	430 ms	448 ms	442 ms	-

Which hosting data center pair can host the new application?

- A. Santiago and Cape Town
- B. **Cape Town and Mumbai**
- C. Mumbai and Beijing
- D. Cape Town and Beijing
- E. Santiago and Mumbai
- F. Santiago and Beijing

Answer: B

NEW QUESTION # 279

Which type of interface are OpenFlow and OpFlex?

- A. Eastbound interface
- B. Cloud-bound interface
- C. Northbound interface
- D. **Southbound interface**

Answer: D

Explanation:

#Explanation:

* A: OpenFlow and OpFlex are examples of southbound interfaces in SDN (Software Defined Networking). They are used by the

SDN controller to communicate with the underlying infrastructure (e.g., switches, routers, hypervisors).

Other options:

* D (Northbound): Interfaces used by applications to communicate with the SDN controller.

* B, C: Not standard terminologies in SDN interface classification.

NEW QUESTION # 280

As a network designer, you need to support an enterprise with hundreds of remote sites connected over a single WAN network that carries different types of traffic, including VoIP, video, and data applications.

Which of the following design considerations will not impact design decision?

- A. The location of the data collection
- B. What direction the data or flows should be metered
- C. Focus on the solution instead of the problem, which helps to reduce downtime duration
- D. Identify traffic types and top talkers over this link

Answer: C

Explanation:

* A (Focus on the solution instead of the problem): While resolving issues quickly is important for operations, solution-oriented thinking during the design phase may overlook essential requirements analysis. Design decisions must be based on problem understanding, traffic analysis, and actual network behavior.

Other options explained:

* B, C, D: All directly impact WAN design by influencing QoS, capacity planning, flow optimization, and visibility.

NEW QUESTION # 281

Drag and drop the multicast protocols from the left onto the current design situation on the right.



Answer:

Explanation:



NEW QUESTION # 282

Which service abstracts away the management of the operating system, middleware, and runtime?

- A. BMaaS
- B. IaaS
- C. PaaS

- D. SaaS

Answer: C

Explanation:

* B (Platform as a Service - PaaS): In a PaaS model, the cloud provider manages the operating system, middleware, runtime, and platform stack. The customer is only responsible for deploying and managing the application itself.

* This abstraction allows developers to focus on application logic without worrying about the infrastructure or platform details.

Other options explained:

* A (IaaS): Customer manages OS, middleware, and runtime; provider manages hardware and virtualization.

* C (SaaS): Customer simply consumes the application; all layers are managed by the provider.

* D (BMaaS): Bare Metal as a Service - customer has full control over hardware and all software layers.

NEW QUESTION # 283

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