

400-007 Dumps Torrent | High Pass-Rate Cisco 400-007: Cisco Certified Design Expert (CCDE v3.0) Written Exam



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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.

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Cisco Certified Design Expert (CCDE v3.0) Written Exam Sample Questions (Q443-Q448):

NEW QUESTION # 443

The Company XYZ network requires OSPF dead neighbor detection in a subsecond manner. However, the company network does not support BFD. Which other feature can be used to fulfill the design requirement?

- A. LFA
- B. STP
- C. DPD
- D. Fast hello

Answer: D

Explanation:

When Bidirectional Forwarding Detection (BFD) is not available, OSPF can still achieve subsecond convergence using the OSPF fast hello feature.

* Fast hello allows the configuration of OSPF hello/dead intervals to subsecond values (e.g., hello = 100ms, dead = 300ms).

* This accelerates OSPF's ability to detect neighbor failures based on missed hello packets without relying on external mechanisms like BFD.

Why other options are incorrect:

* A. STP (Spanning Tree Protocol) is unrelated to OSPF and is used at Layer 2.

* C. LFA (Loop-Free Alternate) is a fast reroute technique but does not affect neighbor failure detection.

* D. DPD (Dead Peer Detection) is used in VPN technologies (e.g., IPsec) and not applicable in OSPF.

Fast hello is fully aligned with CCDE v3.1 under "Protocol Design Implications" and is a commonly recommended method for improving IGP convergence performance when BFD is not an option.

NEW QUESTION # 444

An enterprise wants to migrate an on-premises network to a cloud network, and the design team is finalizing the overall migration process. Drag and drop the options from the left into the correct order on the right.

Identify the right applications and portfolio for cloud migration and cloud viability.

step 1

Maintain data integrity and operational continuity.

step 2

Adopt end-to-end approach and transition workloads to the cloud environment.

step 3

Develop cloud strategy and ensure alignment with business requirements.

step 4

Secure the cloud by setting up a secure cloud environment based on the workload requirements.

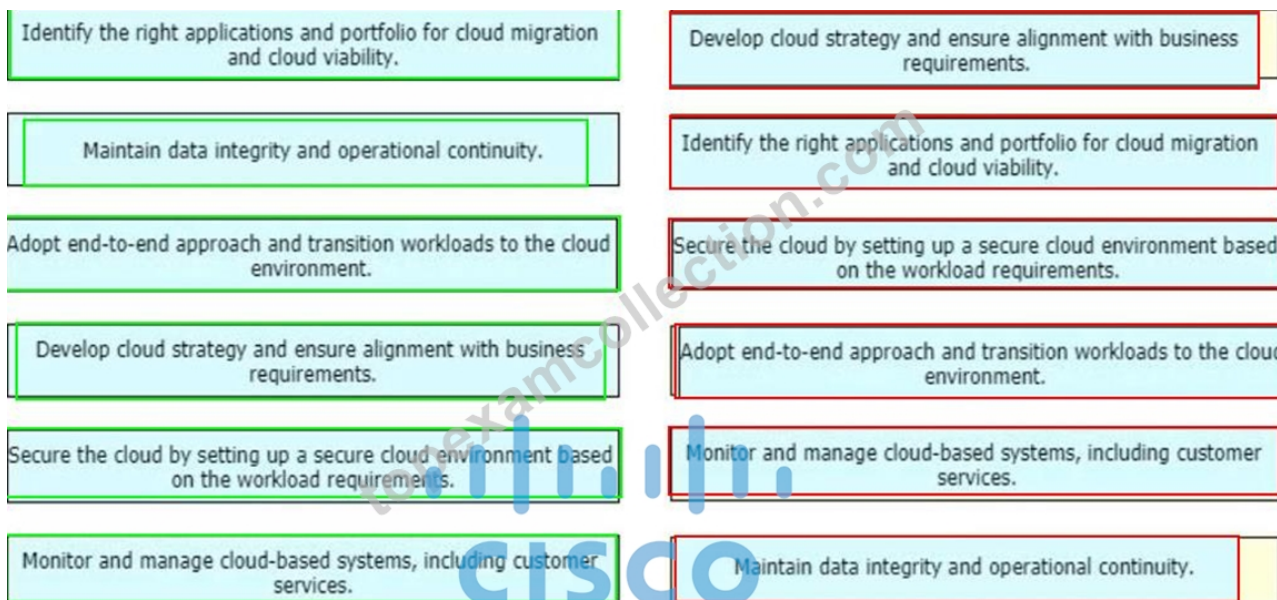
step 5

Monitor and manage cloud-based systems, including customer services.

step 6

Answer:

Explanation:



NEW QUESTION # 445

Which aspect of BGP-LS makes it scalable in large networks when multiarea topology information must be gathered?

- A. Hardware flow control
- B. Open-loop flow control
- C. TCP-based flow control
- D. Transmit flow control

Answer: C

Explanation:

BGP-LS (BGP Link-State) distributes IGP topology information using BGP. When used in multi-area or multi-domain networks, BGP-LS allows for a centralized controller to receive topology information in a scalable way. BGP inherently runs over TCP, which provides reliable, ordered delivery using built-in flow control mechanisms.

The use of TCP-based flow control ensures that even in large-scale networks where significant link-state information is exchanged, the flow of data between BGP peers remains efficient, controlled, and buffered according to the receiver's capacity. This makes it ideal for transporting massive amounts of LS data across wide areas and into SDN controllers for applications like traffic engineering or path computation.

Why other options are incorrect:

* A, B, and C refer to mechanisms that are not implemented or leveraged by BGP.

* TCP-based flow control is the only valid flow-control mechanism used in BGP sessions.

NEW QUESTION # 446

How must the queue sizes be designed to ensure that an application functions correctly?

- A. The default queue sizes are good for any deployment as it compensates the serialization delay.
- B. Each individual device queuing delay in the chain must be less than or equal to the application required delay.
- C. The sum of the queuing delay of all devices plus serialization delay in the chain must be less than or equal to the application required delay.
- D. The queuing delay on every device in the chain must be exactly the same to the application required delay.

Answer: C

NEW QUESTION # 447

Which statement about OSPF hub-and-spoke topology is true?

- A. The DR election is a challenge unless a point-to-point network type is used

- Answer: D**

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