

Cisco 300-610 Test Engine: Designing Cisco Data Center Infrastructure - DumpsReview Authoritative Provider

Designing Cisco Data Center Infrastructure (DCID)

300-610

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Cisco 300-610 exam, also known as Designing Cisco Data Center Infrastructure, is a certification exam that is designed to validate the knowledge and skills of IT professionals in designing and implementing data center infrastructure solutions. 300-610 Exam is a part of the Cisco Certified Network Professional (CCNP) Data Center certification program and is intended for network engineers, network architects, and other IT professionals who are responsible for designing and implementing data center infrastructure solutions.

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Cisco Designing Cisco Data Center Infrastructure Sample Questions (Q285-Q290):

NEW QUESTION # 285

A company must introduce a scalable network automation tool to deploy, configure, and manage thousands of network device and service. The company servers already have been security-hardened and must not have any additional software installed on team. The security policy mandates the use of a secure communication protocol that support authentication and encryption for managing the servers. Which two automation tools must be used to meet these requirements? (Choose two.)

- A. Ansible
- B. Chef

- C. Saltstack
- D. CFEngine
- E. Puppet

Answer: C,E

NEW QUESTION # 286

Drag and drop the components from the left onto the descriptions on the right that indicate what occurs to Fibre Channel fabric when that component fails.

□

Answer:

Explanation:

□

NEW QUESTION # 287

Refer to the exhibit. The data center DC1 uses VXLAN technology. The company asked a service provider to design another data center called DC2 and stretch EVPN information between the data centers based on the same technology. The fabric requires:

- endpoint information propagated end-to-end across both data centers
- misconfiguration replicated from DC1 to DC2

Which actions must the design include in DC2 to meet these criteria?

□

- A. - Set BGP AS to 65501
- Configure EIGRP as an underlay IGP
- B. - Set BGP AS to 65500
- Configure IGRP as an underlay IGP
- C. - Set BGP AS to 65500
- Configure RIP as an underlay IGP
- D. - Set BGP AS to 65501
- Configure RIP as an underlay IGP

Answer: A

Explanation:

The exhibit shows DC1 AS is 65501 and EIGRP as underlay.

For seamless EVPN VXLAN EVPN extension and endpoint propagation, BGP AS numbers must match or be compatible for iBGP peering in a common EVPN VXLAN fabric.

The underlay routing protocol should remain consistent to ensure seamless IP reachability; since DC1 uses EIGRP, DC2 should also use EIGRP.

RIP and IGRP are older protocols and would not be typical underlay for modern VXLAN EVPN data centers, especially when the existing site uses EIGRP.

NEW QUESTION # 288

Refer to the exhibit. An engineer working for service provider with an employee ID: 4540:37:940 must migrate the current topology to one that will provide more speed, less latency, and support software-defined networks. The new topology requires:

- low predictable latency
- loop-free
- load balancing of traffic across multiple paths
- ability to easily increase capacity and port density

Which design topology must the engineer choose?

□

- A. three-tier
- B. core-edge
- C. flood-and-learn
- D. spine-and-leaf

Answer: D

