

300-610 Quiz Torrent: Designing Cisco Data Center Infrastructure - 300-610 Exam Guide & 300-610 Test Braindumps



300-610: Designing Cisco Data Center Infrastructure Exam

Exam questions with answers and explanations

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At present, Cisco certification exam is the most popular test. Have you obtained Cisco exam certificate? For example, have you taken Cisco 300-610 certification exam? If not, you should take action as soon as possible. The certificate is very important, so you must get 300-610 certificate. Here I would like to tell you how to effectively prepare for Cisco 300-610 exam and pass the test first time to get the certificate.

Which Skills Are Covered in the Exam?

This exam is an extensive one and tries to validate the test-takers' skills in a broad range of topics. The prime focus is on data center infrastructure-related areas such as automation of networks, networking computing, and storage management. The details of the content are as follows:

1. Network Design

- **Weightage allotted – 35%**

This is the most widespread domain in Cisco 300-610 syllabus. It tries to educate the learner about evaluating options for Layer 2 and layer 3 connectivity. Topics like endpoint mobility, convergence, service insertion, IP mobility, and redundancy are covered here as well. In addition, the section requires candidates to be able to be knowledgeable about the details related to evaluating data center technologies like vPC, skills in assessing the available options for device & routing virtualization, such as VDC and VRF, and evaluating in-band and out-of-band options for management as well as work with redundancy.

Cisco 300-610 Exam is an excellent certification for IT professionals who want to validate their skills in designing data center infrastructure using Cisco technologies. Passing 300-610 exam will provide candidates with a Cisco Certified Specialist - Data Center Design certification, which is highly valued in the IT industry. Candidates can prepare for the exam by taking the DCID course and using study materials such as books and practice exams.

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Cisco Designing Cisco Data Center Infrastructure Sample Questions (Q79-Q84):

NEW QUESTION # 79

A cloud service provider is managing day-2 operations of over 200 blade servers installed in the Cisco UCS environment. This pool of network resources is providing virtual networks to their customers. To successfully operate this environment, frequent changes to vNICs and other operational policies are required across multiple UCS domains. The operations team must streamline these repetitive tasks.

Which orchestration tool must be used to meet this requirement?

- A. Cisco DAN Center
- B. Cisco ACI Multisite Orchestrator
- C. Cisco UCS Manager
- D. Cisco UCS Director

Answer: D

Explanation:

Cisco UCS Director is designed for orchestrating and automating the management of multiple Cisco UCS domains. It provides a single pane of glass to manage physical and virtual resources, including servers, policies, vNICs, and service profiles.

UCS Director enables workflow automation to streamline repetitive tasks across domains, which matches the requirement to handle frequent changes efficiently across over 200 blade servers.

It supports multi-domain management and offers role-based access and self-service portals, helpful for cloud service provider environments.

NEW QUESTION # 80

An engineer needs to design a disaster recovery solution for a Cisco ACI multisite network that must provide seamless IP addressing across sites and support Layer 2 adjacency. Which two components should be used to meet this goal? (Choose two.)

- A. a localized Layer 2 broadcast domain
- B. a localized bridge domain, a subnet, and an endpoint group
- C. a stretched bridge domain, a subnet, and an endpoint group
- D. a stretched bridge domain and a local subnet
- E. localized Layer 2 broadcast flooding

Answer: C,D

NEW QUESTION # 81

What is a design consideration when implementing FSPF?

- A. FSPF runs only on F Ports.
- B. Routes are based on the distance vector protocol.
- C. Routes are based on the domain ID.
- D. FSPF runs on a per-chassis basis.

Answer: C

NEW QUESTION # 82

The end users report issues with datastore reachability between the newly installed virtual machines (VMs) and the storage array. The VMs are deployed on a Cisco C-Series server, directly connected with Cisco Nexus 5672UP switches over FCoE VLAN. The data traffic on VLAN 99, which is designated as a native VLAN, reaches its default gateway, but FCoE VLAN 99 fails to access the datastore. Which action resolves the problem?

- A. Configure the FCoE VLAN in the VSAN database before including it in the trunk port.
- B. Implement host-facing FCoE ports as spanning-tree port type edge.
- C. Implement FCoE traffic on VLAN 10 and data traffic on VLAN 99.
- D. Configure the FCoE VLAN traffic on a separate interface from any other VLANs that traverse the network.

Answer: C

NEW QUESTION # 83

An engineer is operating data center environment that hosts data-intensive financial applications. The applications are mostly processing HTTP/HTTPS data with large data segments, which results in a CPU contention due to the significant network processing.

Which set of the Ethernet adapter policies must be selected to resolve the issue?

- ☐
 - Receive Checksum Offload field set to Disabled
 - TCP Segmentation Offload field set to Disabled
 - Transmit Queues field: 32
 - Ring Size field: 256
- ☐
 - Receive Checksum Offload field set to Enabled
 - TCP Segmentation Offload field set to Disabled
 - Transmit Queues field: 64
 - Ring Size field: 128
- ☐
 - Receive Checksum Offload field set to Enabled
 - TCP Segmentation Offload field set to Enabled
 - Transmit Queues field: 128
 - Ring Size field: 64
- ☐
 - Receive Checksum Offload field set to Disabled
 - TCP Segmentation Offload field set to Enabled
 - Transmit Queues field: 256
 - Ring Size field: 128

- A. Option C
- **B. Option B**
- C. Option D
- D. Option A

Answer: B

NEW QUESTION # 84

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