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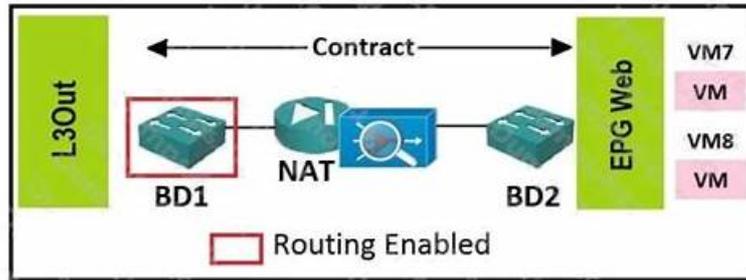
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The Designing Cisco Data Center Infrastructure certification exam is part of the Cisco Certified Network Professional (CCNP) Data Center certification track. The CCNP Data Center certification is a professional-level certification that validates a candidate's ability to design, deploy, and manage data center infrastructure. The CCNP Data Center certification is ideal for IT professionals who are interested in advancing their careers in data center infrastructure design and management.

To prepare for the Cisco 300-610 Exam, candidates can take advantage of a variety of resources, including study guides, practice exams, and online training courses. Cisco offers a range of training options for candidates, including instructor-led training, e-learning, and virtual labs. Candidates can also find a wealth of study materials and practice exams online, as well as forums and discussion groups where they can connect with other IT professionals who are preparing for the exam.

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Passing the Cisco 300-610 Exam requires a deep understanding of data center infrastructure design principles and the ability to apply these principles to real-world situations. Candidates must also have a thorough understanding of Cisco data center technologies and solutions, including Cisco ACI, Cisco UCS, and Cisco Nexus switches. Additionally, candidates must be familiar with automation tools and techniques, as well as security best practices for data center infrastructure.

Cisco Designing Cisco Data Center Infrastructure Sample Questions (Q183-Q188):

NEW QUESTION # 183
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?
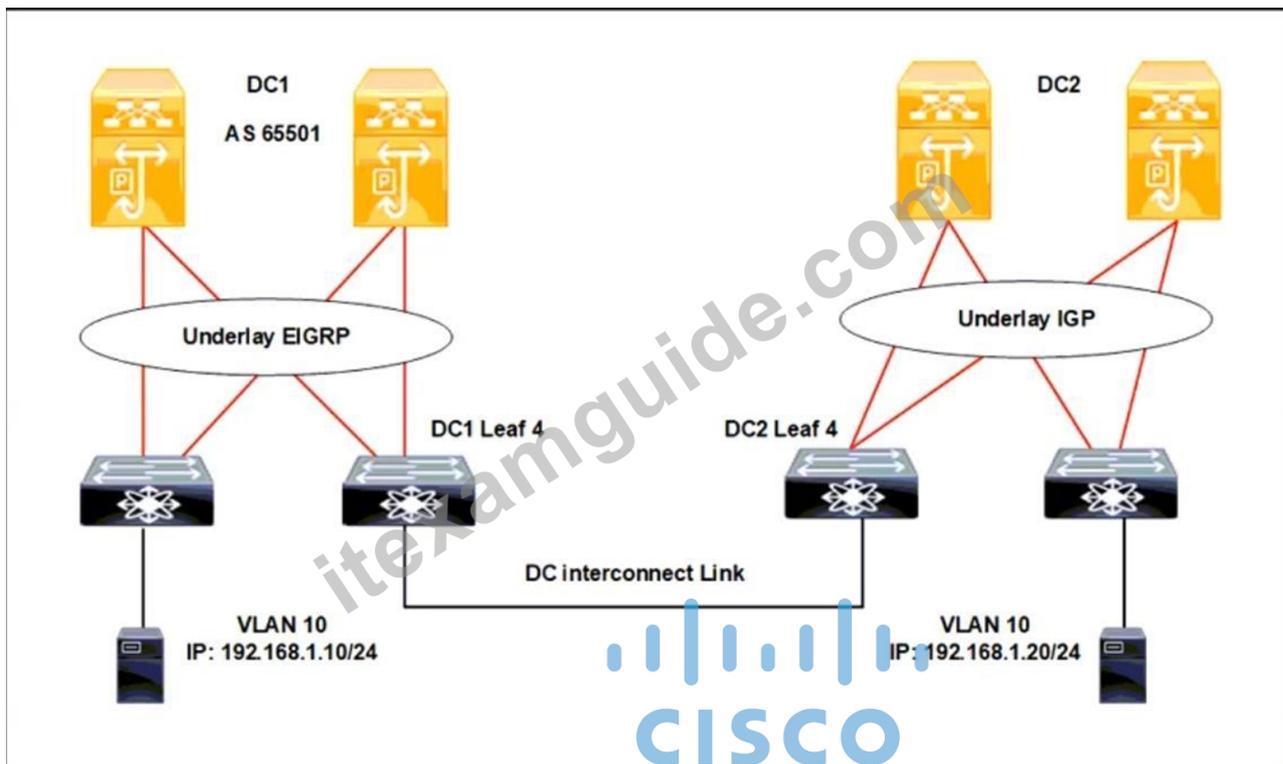
- A. - Set BGP AS to 65501
  - Configure EIGRP as an underlay IGP
- B. - Set BGP AS to 65500
  - Configure IGRP as an underlay IGP
- C. - Set BGP AS to 65501
  - Configure RIP as an underlay IGP
- D. - Set BGP AS to 65500
  - Configure RIP as an underlay IGP

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 # 184
A company must integrate an iSCSI storage solution into its existing production environment. The new iSCSI network must be accessible from a limited set of network segments. The client devices follow a strict network security policy to access critical data from the storage array. Which design steps must be used to meet these requirements?

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

Answer: A

NEW QUESTION # 185

An engineer is implementing a storage area network where an NPV is used. The engineer notices that the servers in a storage farm are experiencing heavy traffic contention. The engineer needs to migrate traffic from heavily loaded server interfaces to interfaces with less load. When the new links are deployed, the existing traffic is not rebalanced as expected. Which feature must be used to meet these requirements?

- A. multiple VSAN support
- B. DVM
- C. NPIV
- D. disruptive load balancing

Answer: C

NEW QUESTION # 186

What is the disadvantage of asynchronous storage replication as compared to synchronous storage replication in a disaster recovery design?

- A. potential data loss
- B. reduction in application performance
- C. distance limitations
- D. specific backup requirements

Answer: A

Explanation:
Section: Storage Network Design
Explanation/Reference:
Reference: https://www.evidian.com/products/high-availability-software-for-application-clustering/synchronous- replication-vs-asynchronous-replication/

NEW QUESTION # 187

Drag and drop the technologies from the left onto the correct descriptions on the right.

iSCSI	allows the storage system to tell the client which paths are optimized
TOE	provides block-level access to the storage
MPIO	host software has visibility into different iSCSI ports
ALUA	offloads device CPU from encapsulation / decapsulation

Answer:

Explanation:

iSCSI	ALUA
TOE	iSCSI
MPIO	MPIO
ALUA	TOE

NEW QUESTION # 188

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