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Exam : 300-610

**Title : Designing Cisco Data
Center Infrastructure (DCID)**

Version : DEMO

1. An end user is experiencing network latency when accessing a database in a disaster recovery site. The monitoring team concluded that the database was writing simultaneously to the storage arrays on the primary and disaster recovery sites.

Which design resolves this issue?

- A. asynchronous replication between data centers
- B. synchronous replication between data centers
- C. FCoE tunnel between data center
- D. FCIP tunneling between data center

Answer: A

2. An engineer must use OTV for layer 2 connectivity between data centers to support virtual machine between the customer sites. To support this requirement, the engineer must ensure the existence of the same default gateway on both sites. Additionally, the operations team report high bandwidth utilization on site A and wants to optimize the outbound traffic flows to use a DC exit point.

Which feature must be used to meet these requirement?

- A. FHRP filter
- B. Control group
- C. Data group
- D. ARP filter

Answer: A

Explanation:

https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/guide_c07-728315.pdf

It is critical that you **enable the filtering of FHRP messages** across the overlay because it allows the use of the same FHRP configuration in different sites. The end result is that the same default gateway is available, and it is characterized by the same virtual IP and virtual MAC addresses in each data center. Thus the **outbound traffic will be able to follow the optimal and shortest path, always using the local default gateway.**

The appendix has a sample configuration that can be copied into your Nexus 7000 Series in order to utilize this feature.

3. A Cisco UCS chassis with several blade servers, a pair of IOMs, and a pair of Cisco UCS Fabric Interconnects are installed in a data center.

Which two high-availability architectures are recommended between the IOMs and fabric interconnects? (Choose two.)

- A. One, two, four and eight links are supported to be used between each IOM and fabric interconnect.
- B. IOM is connected to the fabric interconnect that is acting as fabric A and IOM B is connected to the fabric interconnect that is acting as fabric B.
- C. Any combination of one to eight links are supported to be used between each IOM and fabric interconnect.
- D. The IOMs are connected with multiple straight and cross-connect links toward a pair of nonclustered fabric interconnects.
- E. Straight and cross-connect links should be used between the IOMs and fabric interconnects to offer higher availability.

Answer: B C

4. An engineer seeks a solution to retrieve routing information from Cisco Nexus switches. The data must be exported to a web application in a JSON or XML data format for monitoring and must be encrypted during transmission. The solution must not require extensive knowledge to support and should be simple to implement.

Which technology accomplishes these goals?

- A. streaming telemetry
- B. Cisco Tetration
- C. NX-API
- D. Python scripts

Answer: C

5. DRAG DROP

Drag and drop the configurations from the left onto the correct policies on the right.

Set the number of queues.	vNIC/vHBA Placement Policy <div></div> <div></div>
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy <div></div> <div></div>
Assign adapter order.	

Answer:

Set the number of queues.	vNIC/vHBA Placement Policy <div>Assign each vCon to a physical adapter.</div> <div>Assign adapter order.</div>
Set the RSS hash value.	
Assign each vCon to a physical adapter.	Ethernet Adapter Policy <div>Set the number of queues.</div> <div>Set the RSS hash value.</div>
Assign adapter order.	