



300-610^{Q&As}

Designing Cisco Data Center Infrastructure (DCID)

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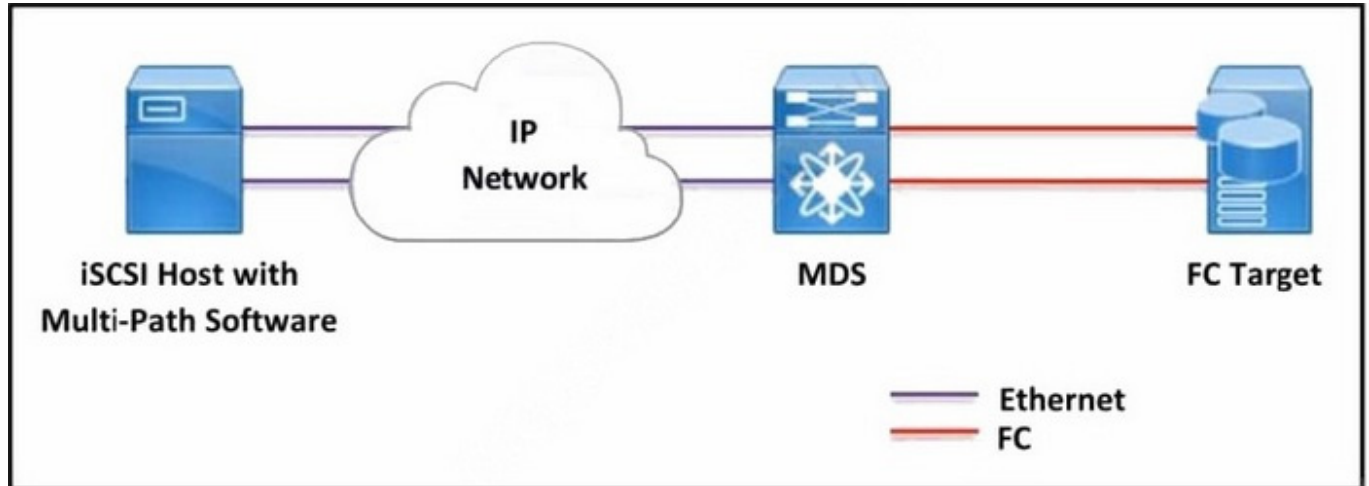
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QUESTION 1

Refer to the exhibit.



A company plans to implement high availability between the iSCSI host and the Fibre Channel target. Which solution must the company implement to recover from a failure of a host NIC. MDS IP storage port or Fibre Channel target port?

- A. Implement HSRP on the MDS IP storage ports
- B. Set up IP storage ports to export the two Fibre Channel target ports
- C. Map the Fibre Channel target ports to one IP storage port
- D. Configure FCoE between the host NICs and MDS ports

Correct Answer: C

QUESTION 2

A Cisco engineer is configuring MPLS VPN BGP at a customer site that is connected to the provider site by more than one path. MPLS VPN BGP Local Convergence link protection is enabled. After the engineer installs the main forwarding path and the redundant backup path within the BGP, they assign a unique route distinguisher to each VRF table on all PE devices that serve as a backup to the link.

What is a prerequisite for this local convergence to work?

- A. Inter-autonomous system option A (back-to-back VRF) is active.
- B. BGP must support lossless switchover between operational paths
- C. IP/GRE is enabled.
- D. The system is performing a PE-CE link protection on both ends



Correct Answer: D

QUESTION 3

An engineer must design a VXLAN EVPN network. The solution should optimize broadcast, unknown unicast, and multicast (BUM) and short BUM replication, and use PIM anycast RP. Which solution should be included in the design?

- A. PIM sparse mode
- B. ingress replication
- C. head-end replication
- D. PIM dense mode

Correct Answer: A

https://www.cisco.com/c/en/us/td/docs/ios/solutions_docs/ip_multicast/White_papers/anycast.html

QUESTION 4

An engineer must logically partition two Cisco Nexus 7000 Series Switches into two environments called Test_39919596 and Production_59423879. The environments must use only F2-Series line cards and be limited to a maximum of 265 port-channels.

Which Cisco Nexus feature must be used?

- A. vPC
- B. VDC
- C. vFC
- D. VRF

Correct Answer: B

QUESTION 5

A network engineer must design a data center network with four Cisco Nexus 7706 switches. The switches will be installed in primary and secondary data centers in vPC domains. The two data centers must be connected via Layer 2 links and provide the maximum throughput, redundancy, and avoid port-blocking spanning-tree design.

Which deployment model meets these requirements?

- A. dual-sided single vPC



- B. single-sided dual vPC
- C. dual-sided dual vPC
- D. single-sided single vPC

Correct Answer: C

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