

300-610^{Q&As}

Designing Cisco Data Center Infrastructure (DCID)

Pass Cisco 300-610 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.leads4pass.com/300-610.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



QUESTION 1

An engineer configured the OSPF protocol in the vPC topology. During the catastrophic failure of one of the vPC the member switches, the traffic was routed to a black hole. This route was caused by the long convergence time caused by the delay of the of the vPC member switch reboot. After the failure, the engineer rebooted both switches, but the secondary switch powered on before the primary one. It caused all the vPCs to be shut down due to consistency-check violations.

Which two features must be used to prevent these situations from happening in the future? (Choose two.)

- A. auto-recovery
- B. system priority
- C. delay restore
- D. ip arp synchronize
- E. peer-gateway

Correct Answer: AC

System priority is related to LACP, not vPC, so it is out. ARPs

<https://www.cisco.com/c/en/us/support/docs/switches/nexus-7000-series-switches/116187-configure-vpc-00.html> <https://www.cisco.com/c/en/us/support/docs/ios-nx-os-software/nx-os-software/212589-understanding-vpc-election-process.html>

QUESTION 2

A network engineer is using a Cisco UCS environment connected to a Fibre Channel storage array. The Cisco UCS environment must be connected to an existing SAN network, and several Cisco MDS 9000 Series Switches must be added to increase storage density. The solution must not exhaust the SAN network from the list of available domain IDs after connecting Also, most of the SAN traffic must be mapped from the Cisco UCS blades to a specific group of the fabric interconnect ports

Which two features must be deployed to meet these requirements? (Choose two.)

- A. end host mode
- B. static PIN grouping
- C. priority flow control
- D. N-Port ID virtualization
- E. dynamic port pinning

Correct Answer: CE

QUESTION 3

A network engineer must create a Fibre Channel fabric QoS design for an existing data center. The solution must provide relative bandwidth guarantees to application traffic, control latency, and prioritize application traffic.

Which mechanism must be deployed to support these requirements?

- A. traffic policing
- B. traffic shaping
- C. traffic remarking
- D. traffic classification

Correct Answer: B

QUESTION 4

What are two advantages of using Cisco vPC over traditional access layer designs? (Choose two.)

- A. supports Layer 3 port channels
- B. disables spanning-tree
- C. no spanning-tree blocked ports
- D. uses all available uplink bandwidth
- E. maintains single control plane

Correct Answer: CD

vPC provides the following technical benefits:

1.
Eliminates Spanning Tree Protocol (STP) blocked ports
2.
Uses all available uplink bandwidth
3.
Allows dual-homed servers to operate in active-active mode
4.
Provides fast convergence upon link or device failure
- 5.

Offers dual active/active default gateways for servers vPC also leverages native split horizon/loop management provided by port-channeling technology: a packet entering a port-channel cannot immediately exit that same port-channel.

Reference: https://www.cisco.com/c/dam/en/us/td/docs/switches/datacenter/sw/design/vpc_design/vpc_best_practices_design_guide.pdf

QUESTION 5

A network consultant must design a high availability interconnection of a clustered Cisco UCS Fabric Interconnect toward two upstream Layer 2 switches. The Ethernet interconnection must use all redundant links and have no impact on the STP domain size.

Which connectivity solution must be used?

- A. Cisco UCS Fabric Interconnect in switch mode with dual uplinks distributed evenly to the upstream switches
- B. Cisco UCS Fabric Interconnect in switch mode with a single uplink toward each upstream switch to eliminate any change to the STP domain size
- C. Cisco UCS Fabric Interconnect in end host mode with a single uplink toward each upstream switch to eliminate any change to the STP domain size
- D. Cisco UCS Fabric Interconnect in end host mode with dual uplinks distributed evenly to the upstream switches

Correct Answer: D

[Latest 300-610 Dumps](#)

[300-610 Exam Questions](#)

[300-610 Braindumps](#)