

➤ **Vendor: Cisco**

➤ **Exam Code: 300-610**

➤ **Exam Name: Designing Cisco Data Center Infrastructure (DCID)**

➤ **New Updated Questions from [Braindump2go](#) (Updated in [October/2021](#))**

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**QUESTION 127**

A network engineer must select a high availability feature for their data center. The solution must ensure network resilience, reduce network instability for Layer 3 routing protocols, and meet these requirements:

- The device must notify its neighbors when the control plane is undergoing a restart.
- The solution must suppress routing flaps in case of stateful switchovers.

Which solution must be implemented?

- A. BFD
- B. HSRP
- C. NSF
- D. ISSU

**Answer: C**

**QUESTION 128**

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

**Answer: D**

**QUESTION 129**

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

**Answer: A**

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**QUESTION 130**

A customer needs a design for a new data center network that meets these requirements:

- Logically partition the environment into separate security domains.
- Cut costs related to purchasing additional equipment.
- Separate routing processes, TCAM, QoS tables, and data planes.

Which technology must be used?

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

**Answer: D**

**QUESTION 131**

A company has several data centers around the world that must be interconnected over Layer2. The service provider supports MPLS services to all the locations. The proposed solution must be vendor agnostic and scalable enough to support the rapid growth of the company.

Which data center technology is recommended to achieve this goal?

- A. OTV
- B. VXLANEVPN
- C. FabricPath
- D. EoMPLS

**Answer: B**

**QUESTION 132**

A network consultant evaluates the Cisco UCS Fabric Interconnect SAN configuration, which must meet these requirements:

- All traffic must pass over the upstream device for switching and domain IDs must be preserved in the fabric.
- Each server should be pinned to one designated upstream interface and for the traffic to pass through the pinned port.

Which Fabric Interconnect SAN operational mode meets these requirements?

- A. end host
- B. switch
- C. NPIV
- D. Fibre Channel

**Answer: B**

**QUESTION 133**

An engineer is implementing a Cisco UCS environment. The system must aggregate all vNICs into a single policy and consistently enforce node disassociation across the cluster.

Which two UCS policies meet these requirements? (Choose two.)

- A. scrub policy
- B. vNIC policy
- C. boot policy
- D. firmware policy
- E. LAN connectivity policy

**Answer: BE**

**QUESTION 134**

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

**Answer: A**

**QUESTION 135**

A company has added a new FCoE storage array to increase the performance of datastore access for end users. This storage array is directly connected to the Cisco Nexus 5672UP switches using four 10G port-channel interfaces. After deployment, the end users fail to access the datastore compared to the older solution. A network engineer verified the port-channel interface and finds that the congestion occurs when PFC frames are generated at the FCoE ingress interface. Which action must be taken to resolve the congestion issue?

- A. Reserve bandwidth for FCoE VLAN on the port-channel interface connected with storage.
- B. Enable the FCoE class in QoS on Cisco Nexus 5672UP switches.
- C. Increase the queuing buffer in the port-channel interface connected to the storage array.
- D. Add an additional FCoE VLAN to the SAN network.

**Answer: C**