



# 300-160<sup>Q&As</sup>

Designing Cisco Data Center Computing

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#### QUESTION 1

You are designing the access layer. Which three pinning configurations for a FEX port are valid? (Choose three.)

- A. to one uplink port channel
- B. to one physical uplink
- C. to four uplink port channels
- D. to four physical uplinks
- E. to eight uplink port channels
- F. to six physical uplinks

Correct Answer: CDF

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#### QUESTION 2

Which statement about the Cisco Adapter FEX feature on the Cisco Nexus 5000 Series Switches is true?

- A. Cisco Adapter FEX is a software feature that can be configured on any Cisco Network Assistant as long as the Nexus 5000 is running a version of code that supports Adapter FEX.
- B. Packets on each channel are tagged with an 801.Q header that has a specific source VIF.
- C. Cisco Adapter FEX can be thought of as a way to divide a single physical link into multiple virtual links or channels.
- D. When using a dual-homed NIC on the server, active/standby is not supported. Only active/active is supported.

Correct Answer: C

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#### QUESTION 3

Which statement regarding network management for the data center is true?

- A. Flexible NetFlow can be used to provide enhanced network anomaly and security detection.
- B. The Network Analysis Module is best deployed in the core for highest visibility.
- C. NetFlow Support is available on most IOS and Nexus products, excluding the Nexus 1000v
- D. NetFlow Data Export is best positioned on the Nexus 5500 at the access or aggregation layer.

Correct Answer: A

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#### QUESTION 4



Which two business requirements have the most influence on the data center design? (Choose two.)

- A. reduce power consumption
- B. increase network bandwidth
- C. increase storage capacity
- D. increase cooling requirement
- E. reduce virtual machine to host ratio
- F. reduce data center footprint (floorspace)

Correct Answer: AE

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#### QUESTION 5

You must use one logical uplink for Fibre Channel traffic and Ethernet traffic on a Cisco UCS system. Which type of port should you use to accomplish this task?

- A. FCoE storage
- B. server
- C. FCoE uplink
- D. uplink

Correct Answer: C

Explanation: Server and Uplink Ports on the Fabric Interconnect

Each fabric interconnect has a set of ports in a fixed port module that you can configure as either server ports or uplink Ethernet ports. These ports are not reserved. They cannot be used by a Cisco UCS instance until you configure them.

You can add expansion modules to increase the number of uplink ports on the fabric interconnect or to add uplink Fibre Channel ports to the fabric interconnect.

You need to create LAN pin groups and SAN pin groups to pin traffic from servers to an uplink port.

Each fabric interconnect can include the following types of ports:

##### Server Ports

Server ports handle data traffic between the fabric interconnect and the adapter cards on the servers.

You can only configure server ports on the fixed port module. Expansion modules do not include server ports.

##### Uplink Ethernet Ports

Uplink Ethernet ports handle Ethernet traffic between the fabric interconnect and the next layer of the network. All network-bound Ethernet traffic is pinned to one of these ports. By default, Ethernet ports are unconfigured. However, you can



configure them to function in the following ways:

Server

Uplink

FCoE

Appliance

You can configure uplink Ethernet ports on either the fixed module or an expansion module. Uplink Fibre Channel Ports Uplink Fibre Channel ports handle FCoE traffic between the fabric interconnect and the next layer of the network. All network-bound FCoE traffic is pinned to one of these ports. By default, Fibre Channel ports are uplink. However, you can configure them to function as Fibre Channel storage ports. This is useful in cases where a Cisco UCS requires a connection to a Direct-Attached Storage (DAS) device. You can only configure uplink Fibre Channel ports on an expansion module. The fixed module does not include uplink Fibre Channel ports.

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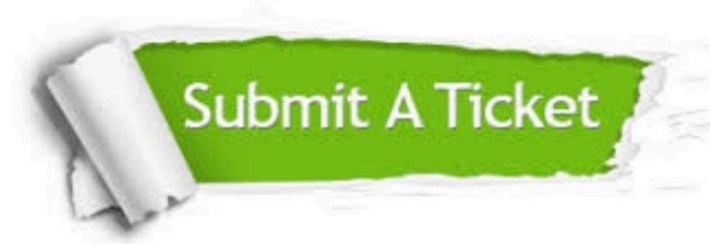
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