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Designing Cisco Data Center Infrastructure (DCID)

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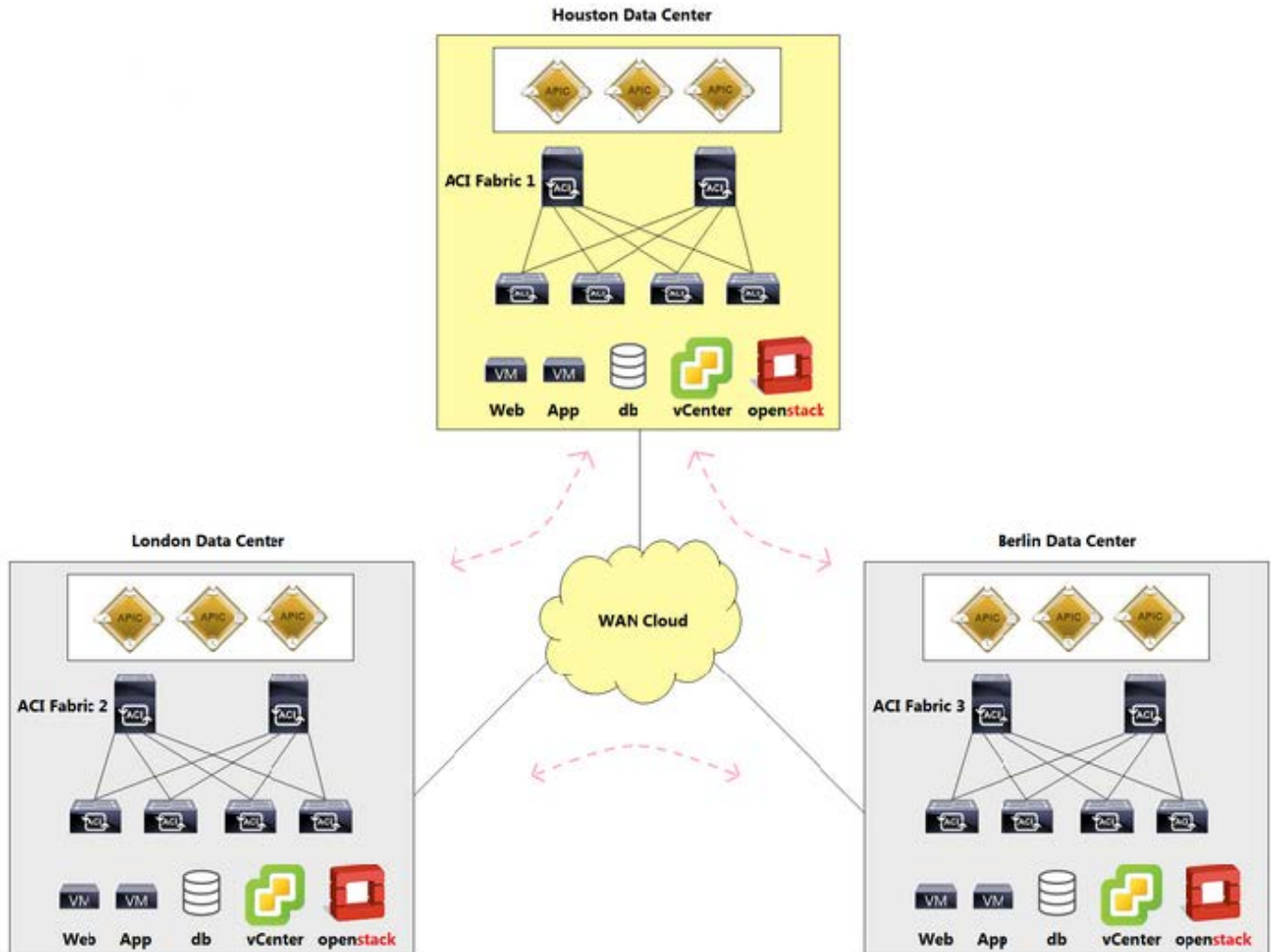Following Questions and Answers are all new published by Cisco
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QUESTION 1

Refer to the exhibit.

A cloud provider service provider deployed three geographically separated Cisco ACI data centers. One of the customers needs to host a clustered application that is spread across the three data centers. The cluster nodes that host the application need a layer 2 topology to communicate with each other.

Which Cisco ACI topology design meets these requirements?

A. Multi-site

B. Multi-pod over MP-BGP EVPN

C. Multi-cloud

D. Multi-pod over OSPF EVPN

Correct Answer: A

Each data center has its own APIC cluster. This is multi-site setup.

QUESTION 2

A network architect designs the iSCSI-based storage area network solution. The iSCSI datastore must be designed with high availability, minimal downtime, and no single point of failure. The requirement is to fail over I/O to alternate paths based on SCSI sense codes without reliance on network failures.

Which feature must be deployed to meet these requirements?

A. hardware-based flow control

B. port security

C. iSCSI multipath

D. NIC teaming

Correct Answer: C

QUESTION 3

DRAG DROP

Drag the appropriate from the left onto the current UDLD modes of operation on the right.

Select and Place:

Correct Answer:

Normal Mode

Uses STP if UDLD information times out.

Allows a port that has a high error rate.

Aggressive Mode

Detects when a port is stuck.

Disables a port that has a high error rate.

Reference: https://www.cisco.com/c/en/us/support/docs/lan-switching/spanning-tree-protocol/10591-77.html

QUESTION 4

An engineer working for a private telecommunication company with an employee id 4298 53 420 must evaluate connectivity to the new data centre location based on Cisco Nexus 7000 Series Switches. The IP connectivity is already supplied by the service provider. The solution must provide a Layer 2 extension and optimize the traffic localization

Which technology supports these requirements?

A. IS-IS multi site over ACI

B. VXLAN over EoMPLS

C. OTV over IP and multicast

D. BGP over VPLS

Correct Answer: B

QUESTION 5

An engineer requires a solution that achieves Ethernet traffic forwarding on all available paths from the hosts to the Cisco Nexus Fabric Extender and from the Fabric Extenders to the Cisco Nexus 5000 Series Switches. The NIC teaming from the Fabric Extender to a server should use an LACP EtherChannel. Which solution should be implemented to meet these requirements?

A. Virtual Port Channel

B. Enhanced Virtual Port Channel

C. Virtual Port Channel Plus (vPC+)

D. Back-to-Back Virtual Port Channel

Correct Answer: B

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