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QUESTION 1

What correctly describes one trend that is changing how network architects must design the data center network infrastructure?

A. Applications are drawing on more and more locally stored data, which causes customers to favor blade servers and blade enclosures

B. Applications are considering on single, highly available mainframes, driving the need for 10G connections to the server edge

C. Applications are increasingly virtualized, which requires architects to implement routing at the access layer to segment each rack into its own VLAN

D. Applications are scaling out across multiple servers, increasing communications between servers distributed across the data center

Correct Answer: D

QUESTION 2

HOTSPOT
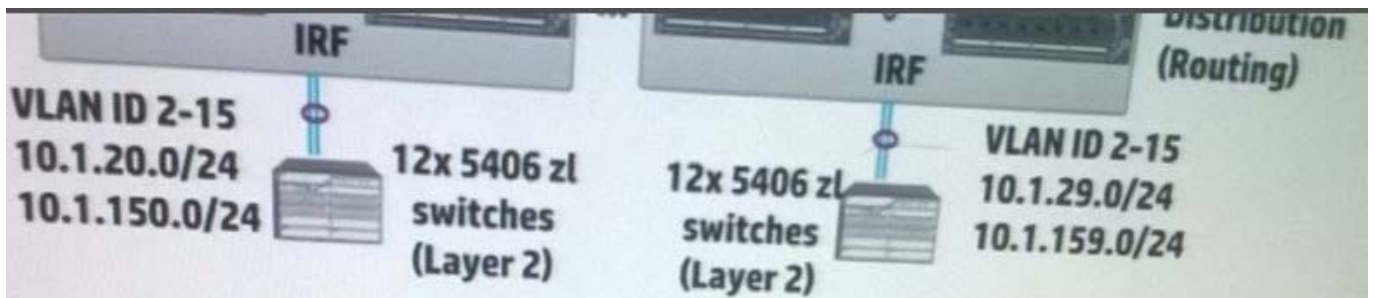
The network architect is designing an Open Shortest Path First (OSPF) solution and plans to run OSPF on each of the VLAN in switches. Based on the practices, which interface or interfaces should the network architect plan the features on?

Hot Area:

Silent interface

VLANs 2-15
VLAN 100
ALL VLANs

Bi-directional Forwarding Detection (BFD)

VLANs 2-15
VLAN 100
ALL VLANs

Correct Answer:

Silent interface

VLANs 2-15
VLAN 100
ALL VLANs

Bi-directional Forwarding Detection (BFD)

VLANs 2-15
VLAN 100
ALL VLANs

QUESTION 3

HOTSPOT

A network architect is choosing transceivers for switches-to-switches fiber links. Which factors affect the architect\\'s choice?

Hot Area:

The need to support LACP over aggregated links

Does not affectes	
Affectes	

The length of the cable (distance between switches)

Does not affectes	
Affectes	

The transceiver form factor and desired port density

Does not affectes	
Affectes	

Correct Answer:

The need to support LACP over aggregated links

Does not affectes	
Affectes	

The length of the cable (distance between switches)

Does not affectes	
Affectes	

The transceiver form factor and desired port density

Does not affectes	
Affectes	

QUESTION 4

A customer is deploying a mobility solution. The IT staff is not experienced in troubleshooting issues with interference

and radio frequency (RF) design, and the customer is worried that the wireless connections will not be stable or will not perform well.

Which feature of HP unified Wired-WLAN solutions addresses this customer concern?

A. Hot access controller (AC) backup

B. Wi-Fi Clear Connect integrated intrusion prevention system (IPS)

C. Remote-AP capabilities for branch offices

D. Wi-Fi Clear Connect radio resource management (RRM)

Correct Answer: D

Reference: http://www8.hp.com/h20195/v2/GetPDF.aspx/c04148608.pdf (page 1, wi-fi clear connect)

QUESTION 5

When does an architect need to plan fast roaming for the wireless solution?

A. When wireless devices use 802.11n and their WLAN enforces WEP or WPA encryption

B. When wireless devices use voice and real-time applications, and their WLAN enforces WEP or WPA encryption

C. When wireless devices use 802 11n and associate with APs that support both 24 GHz and 5GHz with band steering

D. When wireless devices use voice and real-time applications, and their WLAN enforces Wi-Fi Protected Access (WPA)

Correct Answer: D

QUESTION 6

Refer to the exhibit.
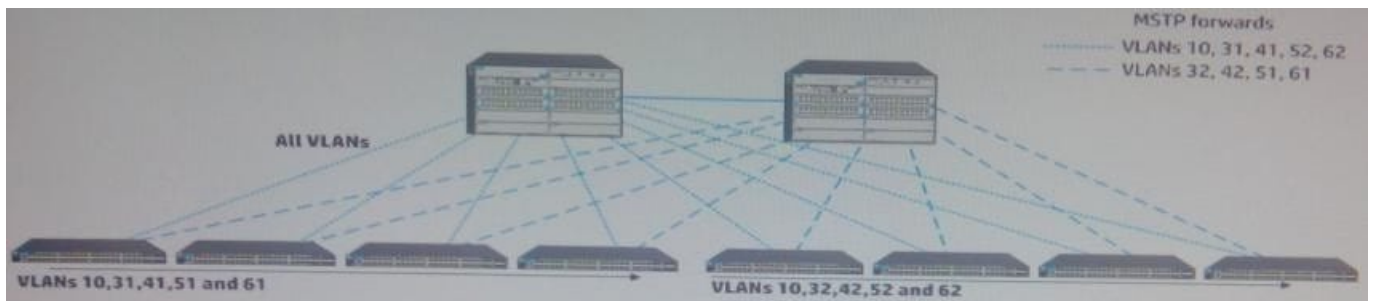
The exhibit shows a network with HP 3500 yl Series switches at the access layer and HP 8206 zl switches at the core. The customer with this solution has logged several support calls, which were eventually tracked down to spanning tree issues. How can a network architect adjust the solution to prevent the issue in the failure?

A. Implement BPDU filters on the switch-to-switch links and loop protection edge ports

B. Connect three or four 3500 y1 switches together in a group. Establish a distributed trunk between two switches in each group and the core switches

C. Implement BPDU guard and broadcast suppression on all the switch-to-switch links

D. Configure distributed Trunking on the two 8200 zl switches at the core. Create a distributed trunk between the core switches and each 3500 yl switch

Correct Answer: D

QUESTION 7

The customer plans to connect 40 Voice over IP (VoIP) phones and 8 security cameras to a switch:

The VoIP phones are Class 2 devices and require a maximum of 4.5W (draw 5w) The security cameras are Class 4 devices and require a maximum of 17W (draw 20W) The network architect is proposinga switch that supports PoE and PoE + and has a PoEPower budget of 370W.

The architect proposes the usage from of power allocation. What are the advantages and disadvantages of this proposal?

A. It allows the switch to run at a lower temperature, saving power and cooling costs, but it decreases the performance for the phones.

B. It allows the switch to connect to the PoE and PoE+ devices on cheaper copper cable, but it limits the distance between the devices.

C. It allows the switch to connect to the PoE and PoE + devices at the same time, but the customer must purchase a redundant power supply.

D. It allows the switch to support the PoE requirements without a redundant power supply, but power might be oversubscribed if conditions change.

Correct Answer: D

QUESTION 8

The exhibit shows the topology for a network with 30 access layer switches (only two are shown).Every switch-to-switch link is a Gigabit link. Every area network (VLAN) interface runs. Open Shortest Path First (OSPF) and has the IP address shown in the exhibit. The other interface settings are defaults.
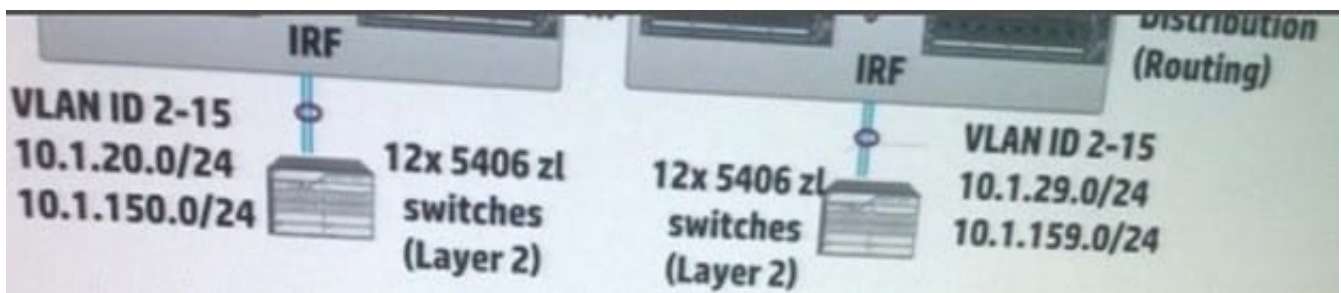
The access layer switches support several more VLANs not shown in the exhibit and also run Multiple Spanning Tree protocol (MSTP) loops. What is one recommendation for enhancing convergence time and resiliency for this solution?

A. Place all of the switch-to-switch links in the same VLAN.

B. Lower the cost of the VLAN interfaces to reflect the high speed of the links.

C. Add a BPDU filter to the VLAN interfaces shown in the exhibit.

D. Raise the OSPF times on the VLAN interfaces.

Correct Answer: D

QUESTION 9

HOTSPOT

A network is choosing transceivers for switch-to-switch fiber links. Which factor affects the architect\\'s choice?

Hot Area:

The need for redundancy	affects / does not affect
The type of fiber between switches	affects / does not affect
The number of available strands	affects / does not affect
The desired speed for the link	affects / does not affect

Correct Answer:

The need for redundancy

affects
does not affect

The type of fiber between switches

affects
does not affect

The number of available strands

affects
does not affect

The desired speed for the link

affects
does not affect

QUESTION 10

HOTSPOT

Work architect planning the implementation of a solution. For each role, choose whether or not the architect should notify these people and involve them in plan.

Hot Area:

Administration responsible for a application affected by the implementation

Involve
Do not involve

Employees who run application affected by the implementation

Involve
Do not involve

Compliance teams responsible for ensuring the customer's network solution meets regulatory standards

Involve
Do not involve

Correct Answer:

Administration responsible for a application affected by the implementation

Involve
Do not involve

Employees who run application affected by the implementation

Involve
Do not involve

Compliance teams responsible for ensuring the customer's network solution meets regulatory standards
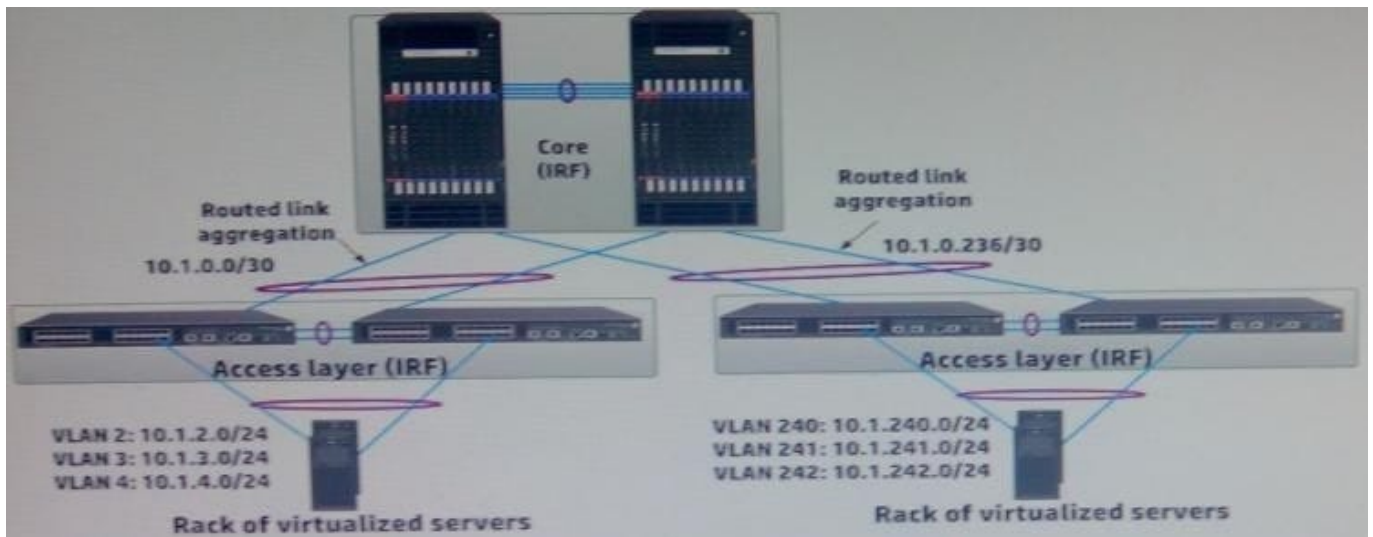
Involve
Do not involve

QUESTION 11

Refer to the exhibit.

The exhibit shows a proposed design for a data center network infrastructure. The exhibit shows two racks for simplicity. The data center will actually include more racks.

The customer has these key requirements:

The customer can scale any application and easily install new hardware that supports that application

The network supports vMotion for live migration of virtual machine (VMs)

How should the network architect change the proposed design to meet the customer requirements?

A. Replace the rack servers with blade enclosures

B. Add more links between the servers and the access layer

C. Remove routing from the access layer and extend VLANs to multiple racks

D. Add a distribution layer between the access layer and the core

Correct Answer: A

QUESTION 12

Network architect is recommending that a customer move from a three-tier campus LAN topology to a two-tier topology that routes traffic distribution layer provides firewall services and STP root guard. As a best practice, where should firewall servicesand STP root guard beimportant topology?

A. These security features should be implemented at both the network access layer and the core.

B. These security features should be implemented at the core.

C. These security features should be implemented at the network access layer.

D. Firewall services features should be implemented at the core, and STP root guard be implemented at the access layer

Correct Answer: C

QUESTION 13

Which description best characterizes current trends in deploying services for an enterprise?

A. Companies are connecting multiple sites together but distributing services to each site to increase resiliency and responsiveness.

B. Companies are moving services out of the private cloud into more responsive pods that are distributed throughout the campus LAN.

C. Companies are transforming their campus LAN and data centers into one large Layer 2 network

D. Companies are centralizing services in a consolidated data center or even a highly scalable private cloud

Correct Answer: A

QUESTION 14

A network architect is planning a complete access layer and core upgrade for customer\\'s campus LAN. The campus has four large buildings, each requiring between 1000 and 3000 edge ports. Which factor will play a primary role in determining whether the network architect needs to plan a two-tier or three-tier topology for the campus LAN?

A. The number of fiber links between each building and the building where the core switches reside

B. Whether the customer requires a wireless solution

C. The high number of edge ports that the solution requires

D. Whether the customer can afford core switches that support intelligent Resilient Framework (IRF)

Correct Answer: C

QUESTION 15

A network architect is choosing fabric module for an HP 10500 Series Switch. Which factors affect the choice?

A. The environment in which the switch will be installed and the direction of the airflow

B. The number of IPv4 and IPv6 routes that the switch must support in its routing table

C. The type of I/O modules and whether full bandwidth must be supported on all ports at the same time

D. The type of management modules and whether these modules operate in hot-standby mode

Correct Answer: C

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