

HP0-Y50^{Q&As}

Architecting HP FlexNetwork Solutions

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QUESTION 1

A network architect is compiling information about the total cost ownership (TCO) for a proposal. Which factors play a role in TCO?

- A. Cost of remediation due to a future security breach
- B. Cost of regulatory fines associated with non-compliance
- C. Cost of upgrading modules for the proposal
- D. Cost of powering the solution

Correct Answer: D

QUESTION 2

A network architect is choosing core switches for an enterprise data center. One potential model has a CLOS hardware architecture, and the other model has a cross-bar architecture. Which customer requirement would cause the network architect to select switches with CLOS architecture?

- A. The customer has a multi-tenant data center, which needs to use Virtual Routing and Forwarding (VRF) to segment the network
- B. The customer needs a highly-available core, which is best delivered with Intelligent Resilient Framework (IRF)
- C. The customer has relatively small data center and does not have the budget to invest in high performance
- D. The customer is planning to scale bandwidth up to 40G/100G in the next several years

Correct Answer: B

QUESTION 3

What is a common management problem in modern networks?

- A. Many vendors do not provide management tools for their devices, preventing configuration automation
- B. Management tools do not provide proper encryption and authentication options.
- C. Many technologies and solutions require their own management interfaces, resulting in too much complexity.
- D. Administrators spend so much time planning for the future that they cannot react to current problems.

Correct Answer: D

QUESTION 4



The customer wants to assign users to VLANs dynamically based on their Windows group. The company Windows Network Policy server provide the assignments. Each of the Windows groups includes between 100 to 600 users. Which issue does the architect need to resolve?

- A. The proposed dynamic VLANs have too many potential users for the proposed subnets.
- B. The plan for the edge ports is incorrect they should be trunk ports that support multiple VLANs.
- C. The switch-to-switch links should not carry so many VLANs.
- D. The proposed switches do not accept dynamic VLAN assignments from Windows NPS servers.

Correct Answer: A

QUESTION 5

A company experienced a denial of service attack when an infected employee device connected to the network. Which secret devices and prevents them from accessing the network?

- A. Authentication solution
- B. Data security solution
- C. Network Based Anomaly Detection (NBAD)
- D. Endpoint integrity solution

Correct Answer: D

QUESTION 6

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

QUESTION 7

A network architect is planning an intelligent Resilient Framework (IRF) group. What should the network architect implement to protect against a split IRF group?

- A. Distributed Trunking (DT)
- B. Virtual Router Redundancy Protocol (VRRP)
- C. Multi-Active Detections (MAD)
- D. Rapid Ring Protection Protocol (RRPP)

Correct Answer: C

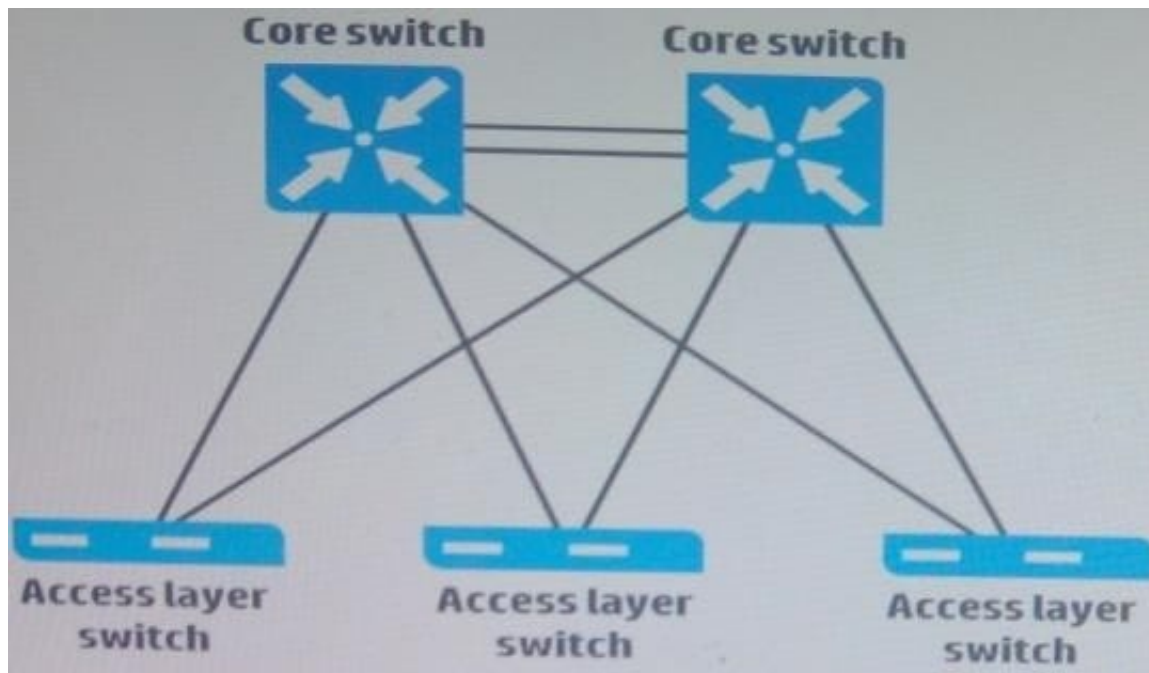
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QUESTION 8

Refer to the exhibit.



A customer has the solution in the exhibit, which includes more access layer switches than are shown. Members of the customer network team mention they are considering access layer routing for a new solution to eliminate Spanning Tree Protocol (STP) and Virtual Router Redundancy protocol (VRRP). However they are concerned about meaning the routing solution. The network architect proposes a solution that eliminates STP and VRRP without requiring routing at

the access layer, although the solution can use access layer routing.

Which solution fits that description?

- A. Two HP 10500 Series, using intelligent Resilient Framework (IRF) at the core, HP S400 zl Series switches at the access layer
- B. Two HP 10500 Series switches, using Hot Standby Router Protocol (HSRP), at the core. HP 2600 Series switch at the access layer
- C. Two HP 8200 zl Series switches, using distributed Trunking, at the core. HP 5400 zl Series switches at the access layer
- D. Two HP zl Series switches, using backplane stacking, at the core. HP 5400 zl Series switches, using the backbone stacking at the access layer

Correct Answer: B

QUESTION 9

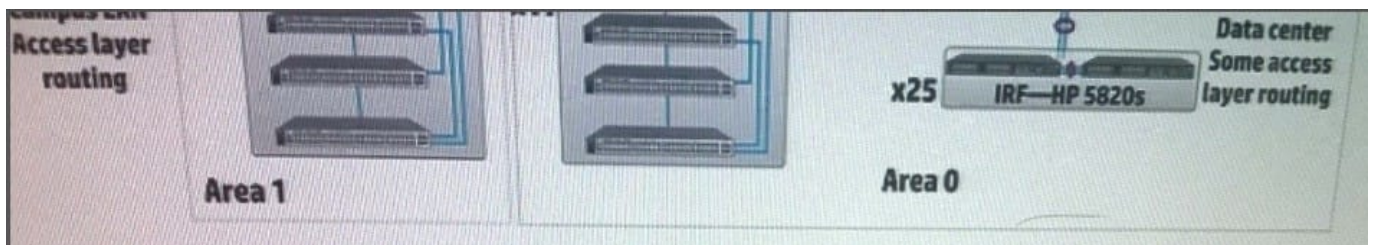
A network architect is designing as a Multiple Spanning Tree Protocol (MSTP) solution for a network. The network architect plans to create 10 VLANs. The network architect also wants to ensure that the best paths are selected when interoperating with other spanning tree regional.

Which guideline aids in ensuring best paths between regions?

- A. Place five VLANs in one MSTP instance and five in the other instance.
- B. Set up the correct priority on the switch that you want to be root in instance 0.
- C. Calculate the traffic load for each VLAN and then distribute them accordingly between each MSTP instance.
- D. Use the appropriate cost settings for links as specified in the IEEE 802.1t standard.

Correct Answer: C

QUESTION 10



Which exhibit shows the better Open Shortest Path First (OSPF) area scheme and for which reason?

- A. Exhibit 1 because it allows the application of access control lists (ACLs) between users and the data center
- B. Exhibit 1 because the campus and data are separate areas

- C. Exhibit 2 because every area has similar numbers of routers
- D. Exhibit 1 because every area has fewer than 50 routers
- E. Exhibit 2 because every area has fewer than 35 routers

Correct Answer: B

QUESTION 11

What best characterizes the current trend in branch office IT and networking solutions?

- A. Assignment of designated IT staff to branch offices
- B. Consolidation of traditional resources within the data center
- C. Increased reliance on wireless services to fill the bandwidth deficiency provided by traditional WAN links
- D. Moving away from Ethernet-based WAN links toward dedicated T1/E1/J1 lines

Correct Answer: B

QUESTION 12

A network architect is planning a backplane stack with four HP 3800 switches. Which topology provides the highest level of redundancy?

- A. Star
- B. Mesh
- C. Chain
- D. Ring

Correct Answer: B

QUESTION 13

A network architect is designing a solution for a customer who wants better security on edge ports. Recently, an unauthorized individual was able to connect a snooping device to an open port (in other words, to a switch port that is active but not connected to a customer device). The customer wants to prevent this from happening again. However, the customer wants to avoid implementing 802.1X on ports because the IT staff is not prepared to deploy and manage such a solution.

What is the simplest way to minimize the risk of another unauthorized connection without adding a lot of management overhead?

- A. Place open ports in a VLAN that is not carried on uplinks.
- B. Implement MAC lockdown (as opposed to MAC authentication) on all open ports.

- C. Apply MAC authentication to the open ports and allow only known MAC addresses
- D. Apply dynamic port access control lists (ACLs) to open ports.

Correct Answer: A

QUESTION 14

An architect is planning an HP Wired-WLAN solution for a customer with Voice over WLAN (VoWLAN) devices, which support 5 GHz and 2.4 GHz, and the laptops. What is a potential advantage of dual-radio 802.1n APs for this environment?

- A. They can load balance a single phone's traffic between the two radios
- B. They can use 802.1n band steering to shift only the laptops to the 2.4 GHz radio
- C. They can support a single VLAN for phones and laptops, but use load balancing to move all phones to one radio
- D. They can support a voice WLAN on one RADIO and an employee WLAN on the other radio

Correct Answer: D

QUESTION 15

Organizations can deploy off-the-shelf, virtualized applications on some HP infrastructure devices. Which devices support this capability? (Select two)

- A. HP MSR3000 Routers
- B. HP HSR6800 Routers
- C. HP 7500 Switches
- D. HP 11900 Switches
- E. HP 5400 zl Switches

Correct Answer: AE

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