HPE2-Z39^{Q&As}

Fast Track - Applying Aruba Switching Fundamentals for Mobility

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QUESTION 1

Refer to the exhibit.
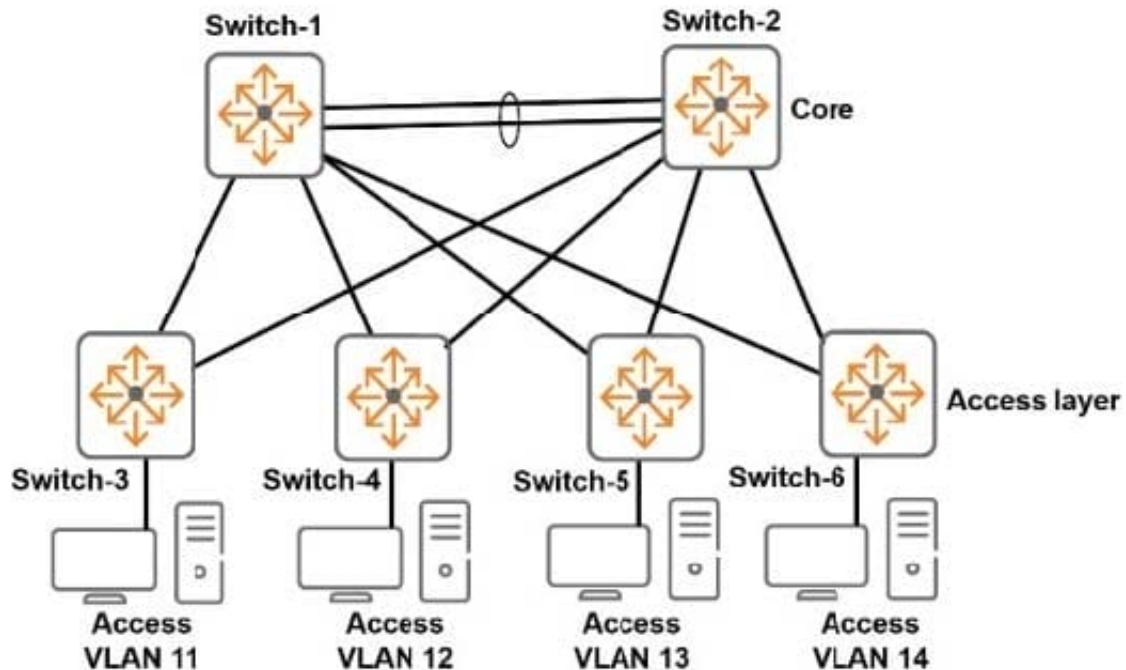
This exhibit shows the topology for a company campus LAN. Each access layer switch will be the default router for the devices connected to it. The company needs to permit the following:

1.

Communications between devices in an subnets

2.

Support for efficient traffic paths during normal operation and in situations in which a link fails

3.

Fast failover if a link fails

Which feature should the network administrator configure on the ArubaOS switches to support these requirements?

A. MSTP

B. RIP

C. Static Routes

D. OSPF

Correct Answer: A
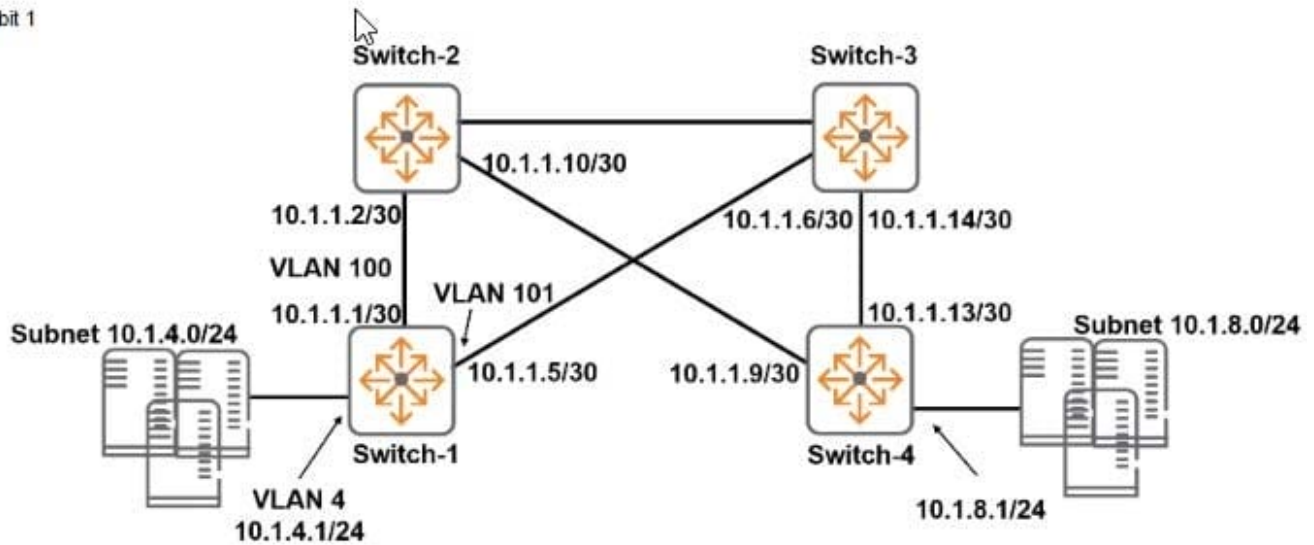
QUESTION 2

Refer to the exhibits.

Exhibit 1

Exhibit 2

```
Switch-1# show ip ospf interface
  OSPF Interface Status
  IP Address      Status    Area ID         State    Auth-type  Cost  Pri Passive
  --------------- --------- --------------- -------- ---------- ----- --- --------
  10.1.1.1        enabled   backbone        BDR      none       1     1   no
  10.1.1.5        enabled   backbone        BDR      none       1     1   no

Switch-1# show ip ospf neighbor
  OSPF Neighbor Information
  Router ID       Pri IP Address       NbIfState State    QLen  Events Status
  --------------- --- --------------- --------- -------- ----- ------ ------
  10.0.0.2        1   10.1.1.2         DR        FULL     0     7      None
  10.0.0.3        1   10.1.1.6         DR        FULL     0     7      None


Switch-4# show ip ospf interface
  OSPF Interface Status
  IP Address      Status    Area ID         State    Auth-type  Cost  Pri Passive
  --------------- --------- --------------- -------- ---------- ----- --- --------
  10.1.8.1        enable    backbone        DR       none       1     1   yes
  10.1.1.9        enabled   backbone        DR       none       1     1   no
  10.1.1.13       enabled   backbone        DR       none       1     1   no

Switch-4# show ip ospf neighbor
  OSPF Neighbor Information
  Router ID       Pri IP Address       NbIfState State    QLen  Events Status
  --------------- --- --------------- --------- -------- ----- ------ ------
  10.0.0.2        1   10.1.1.10        BDR       FULL     0     7      None
  10.0.0.3        1   10.1.1.14        BDR       FULL     0     7      None
```

A network administrator has set up OSPF to enable communications between subnets 10.1.4.0/24 and 10.1.8.0/24. Swffch-4 is not receiving a route to 10.1.4.0/24.

What should the network administrator do to help fix this issue?

A. Fix the router IDs on al switches so that they are valid.

B. Enable OSPF on VLAN 4 on Switch-1.

C. Configure Switch-1 with a better DR priority on VLANs 100 and 101.

D. Verify that Switch-2 and Switch-3 are part of the backbone area.

Correct Answer: B

QUESTION 3

Refer to the exhibit.

```
Switch# show ip route
IP Route Entries
Destination   Gateway    VLAN   Type        Sub-Type    Metric      Dist.
------------  --------   ----   ---------   ---------   ---------   -----
10.1.1.0/24   VLAN100    11     connected                1          0
127.0.0.1/32  lo0               connected                1          0
```

The exhibit shows the IP routing table for an ArubaOS switch. The network administrator then enters these commands:
ip routing ip route 0.0.0.0/0 10.1.1.1 ip route 0.0.0.0/0 10.1.1.2 ip route 0.0.0.0/0
10.1.1.3 ip route 0.0.0.0/0 10.1.1.4

What is the result of this configuration?

A. The switch only adds the last static route entry to the routing table

B. All four routes are added to the routing table, but are never used.

C. The switch load shares connections across the four static next hops.

D. The switch only adds the last two static route entries to the routing table.

Correct Answer: B

QUESTION 4

An ArubaOS switch has an LACP link aggregation with two links. How does the switch balance traffic over the links?

A. It assigns the first conversation (as defined by the load-balancing algorithm) to the first link, the second conversation to the second link, and so on, in a round-robin fashion.

B. It assigns the first packet to the first link, the second packet to the second link, and so on, in a round-robin fashion.

C. It assigns all traffic to the first link until the link reaches a bandwidth threshold; it then assigns traffic to the second link.

D. It assigns each conversation (as defined by the load-balancing algorithm) to a consistent link, based on a hash.

Correct Answer: B

QUESTION 5

Two ArubaOS switches connect on a VLAN. and both enable OSPF on that VLAN. Which VLAN OSPF setting must match for the switches to become fully adjacent neighbors?

A. DR priority

B. area ID

C. cost

D. router ID

Correct Answer: D

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