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Fast Track - Applying Aruba Switching Fundamentals for Mobility

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QUESTION 1

Which devices must support Multi-User Multiple Input Multiple Output (MU MIMO) in order for an AP to transmit to multiple clients simultaneously?

A. the transmitting AP and all of the clients that receive simultaneous transmissions

B. all of the APs in a WLAN. but none of the clients

C. the transmitting AP and all of the clients

D. the transmitting AP and at least one of the clients that receives simultaneous transmissions

Correct Answer: A

QUESTION 2

A network administrator wants to apply a critical PoE priority to any ArubaOS switch port that connects to an Aruba AR The priority should be applied dynamicaly based on LLDP messages received from the AP. Which step should the administrator take to meet this goal?

A. Configure the PoE usage setting on all ports as class and make sure that Aruba APs are defined as Class 4 devices.

B. Configure the PoE usage setting on all ports as tfdp.

C. Enable LLDP MED TLV extensions on the switch port.

D. Enable the default AP profile bound to the Aruba AP device type.

Correct Answer: D

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

Currently the routing switches shown in the exhibit have only connected IP routes. The network administrator needs to add static routes to support communications between subnet 10.1.4.0/24 and subnet 10.1.8.0/24. Which switch or switches require a static route to 10.1.8.0/24?

A. Switch-3 only

B. Switch-1 and Switch-3

C. Switch-1 only

D. Switch-1 and Switch-2

Correct Answer: B

QUESTION 5

A network has ArubaOS switches and an Aruba Instant cluster with IP addresses on 10.1.255.0/24 The network administrator wants to manage the devices in Aruba AirWave. The administrator uses the SNMP credentials configured on the switches to create a scan set for 10.1.255.0/24. The scan discovers the switches but not the Instant cluster.

What should the administrator do to discover the cluster in AirWave?

A. Re-configure the scan set to use the Aruba Instant default SNMPv3 user admin

B. Configure SNMP credentials in the Instant Ul.

C. Specify the AirWave IP address in the Instant UI System > Admin settings.

D. Install the Instant cluster self-signed certificate on AirWave.

Correct Answer: B

QUESTION 6

Refer to the exhibit.

```
Switch-C# show spanning-tree
< output omitted >
  IST Mapped VLANs: 1-4094
  Switch MAC Address   : 6c3be5-6208c0
  Switch  Priority     : 8192
  Max Age        : 20
  Max Hops       : 20
  Forward Delay : 15
  Topology Change Count  : 10
  Time Since Last Change : 8 mins
  CST Root MAC Address : 1c98ec-ab4b00
  CST Root Priority   : 0
  CST Root Path Cost   : 20000
  CST Root Port        : Trk1
<-output omitted->
                     |            Prio        | Designated   Hello
  Port   Type        | Cost       rity State  | Bridge        Time PtP Edge
  ------ ----------- + --------- ---- ------------ + ------------- ---- --- ----
  1      100/1000T   | 20000      128  Forwarding | 6c3be5-6208c0 2    Yes Yes
  2      100/1000T   | 20000      128  Blocking   | 70106f-0d2100 2    Yes No
  3      100/1000T   | 20000      128  Forwarding | 6c3be5-6208c0 2    Yes No
  Trk1               | 20000      64   Forwarding | 1c98ec-ab4b00 2    Yes No
```

Based on this ArubaOS switch output, what can a network administrator determine about the spanning tree topology?

A. Port 2 is an edge port

B. Port 3 will become the root port if the current root port becomes unavailable.

C. Switch-C is the root bridge of the topology.

D. Trk1 offers the lowest cost path to the common spanning tree root.

Correct Answer: C

QUESTION 7

A switch receives a broadcast frame in VLAN 2 on link aggregation, trk 1. How does the switch handle the broadcast?

A. It floods it out all interfaces that are assigned to VLAN 2. including all links in Mel.

B. It floods it out all interfaces that are assigned to VLAN 2. including one designated link in trk1.

C. It floods it out all interfaces that are assigned to VLAN 2 except any interfaces assigned to trk 1.

D. It floods it out all interfaces that are assigned to VLAN 2. including all links in trk1 except the link on which the broadcast arrived.

Correct Answer: A

QUESTION 8

An ArubaOS switch operates at factory defaults and has a reachable IP address. How can network administrators access the switch CLI ?

A. from the console port with the default username and password, but not from Telnet at al

B. from the console port without authentication, but not from Telnet at all

C. from the console port without authentication or from Telnet without authentication

D. from the console port without authentication or from Telnet with the default username and password

Correct Answer: A

QUESTION 9

Refer to the exhibit.

```
VSF-Switch# show vsf lldp-mad status
  MAD device IP                       : 10.1.0.2
  MAD-probe portset                   : 1/A1,1/B1,2/A1,2/B1,
  VSF split                           : No
  MAD probe originator                : No
  Number of probe requests sent       : 0
  Number of probe responses received  : 0
  MAD Active Fragment                 : Yes
```

What does the command output in the exhibit indicate about the status of an Aruba Virtual Switching Framework (VSF) fabric?

A. The two members of the VSF fabric cannot contact each other, and the other member is the active member.

B. The two members of the VSF fabric cannot contact each other, and this member is the active member.

C. The two members of the VSF fabric are currently connected.

D. The second member of the VSF fabric has not yet joined the fabric, so LLDP-MAD is not operational.

Correct Answer: D

QUESTION 10

Refer to the exhibit.

```
Switch# show ip route
                               IP Route Entries
    Destination         Gateway          VLAN Type        Sub-Type     Metric       Dist.
    ----------------    ---------------- ----  --------    ---------    ----------   -----
    10.1.4.0/24         VLAN4            4      connected                1            0
    10.1.8.0/24         10.1.101.1       101    ospf        IntraArea    3            110
    10.1.12.0/24        10.1.104.2       104    ospf        IntraArea    3            110
    10.1.101.0/24       VLAN101          101    connected                1            0
    10.1.104.0/24       VLAN104          104    connected                1            0
    127.0.0.0/8         reject                  static                   0            0
    127.0.0.1/32        lo0                     connected                1            0
```

An ArubaOS switch has the routing table shown in the exhibit. A network administrator then enters this

command: Switch (config) # ip routs 10.0.0.0/8 10.1.104.2

After the administrator enters this command, packets arrive that are destined for 10.1.8.8 and 10.1.8.13.
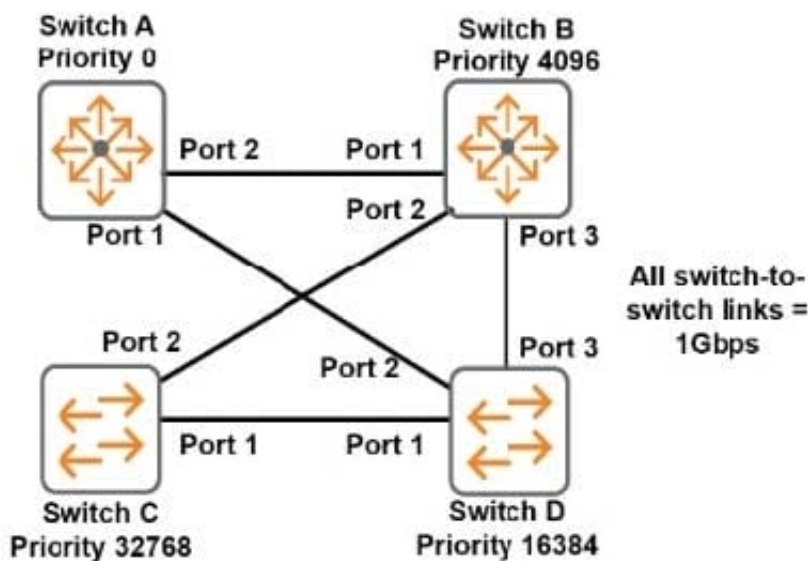
What does the switch do with this traffic?

A. It load balances some of the traffic to 10.1.101.1 and some to 10.1.104.2.

B. It forwards at of the traffic to 10.1.104.2.

C. It drops the traffic.

D. It forwards all of the traffic to 10.1.101.1.

Correct Answer: C

QUESTION 11

Refer to the exhibit.

The switches shown in the exhibit are ArubaOS switches that implement RSTP. The switches are configured with the spanning tree priorities shown in the exhibit, and they use their default costs on ports. Based on the topology, which port
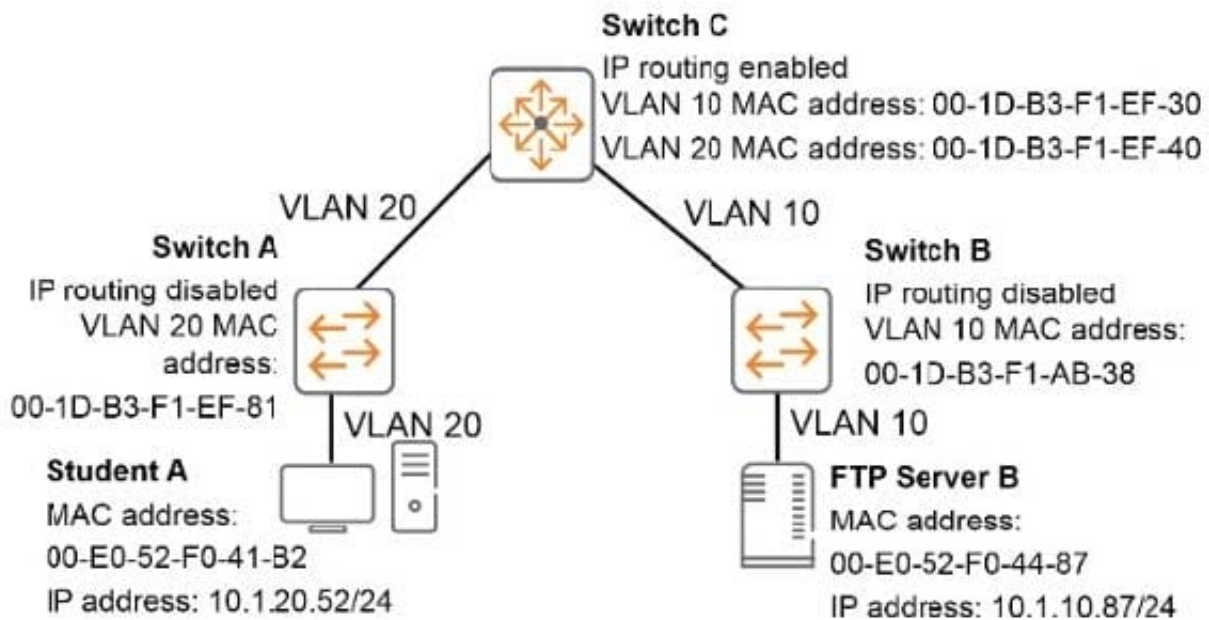
is a root port?

A. Switch A port 1

B. Switch B port 2

C. Switch C port 1

D. Switch C port 2

Correct Answer: B

QUESTION 12

Refer to the exhibit.

The Student A client needs to connect to FTP Server B. Student A sends the necessary ARP request and receives a reply. Which destination MAC address does the Student A client use in the FTP packet to FTP Server B?

A. 00-E0-52-F0-41-B2

B. 00-E0-52-F0-44-87

C. 00-1D-B3-F1-EF-81

D. 00-1D-B3-F1-EF-40

Correct Answer: D

QUESTION 13
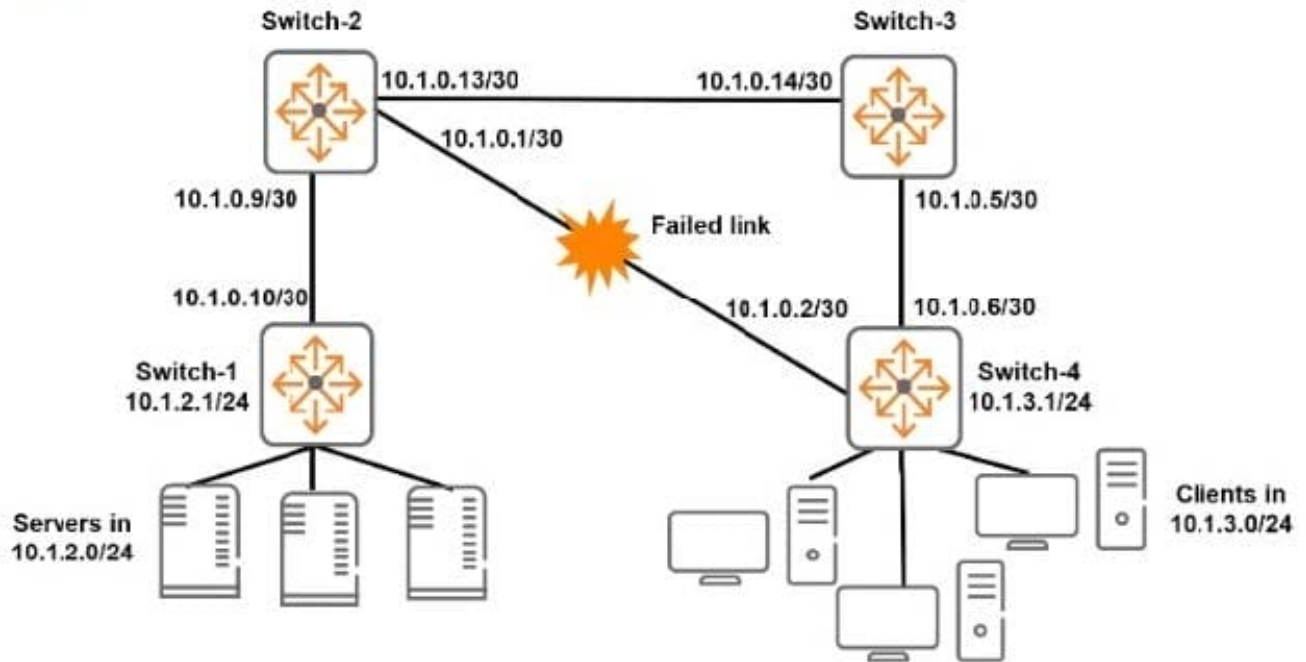
Refer to the exhibits.

Exhibit 1

Exhibit 2

```
Switch-1# show ip route static
                              IP Route Entries
    Destination          Gateway        VLAN Type      Sub-Type   Metric     Dist.
    ------------------   ------------    ---- --------- ---------  ---------  -----
    10.1.3.0/24          10.0.1.9        103  static               1          1
    127.0.0.0/8          reject               static              0          0

Switch-2# show ip route static
                              IP Route Entries
    Destination          Gateway        VLAN Type      Sub-Type   Metric     Dist.
    ------------------   ------------    ---- --------- ---------  ---------  -----
    10.1.2.0/24          10.1.0.10       103  static               1          1
    127.0.0.0/8          reject               static              0          0

Switch-3# show ip route static
                              IP Route Entries
    Destination          Gateway        VLAN Type      Sub-Type   Metric     Dist.
    ------------------   ------------    ---- --------- ---------  ---------  -----
    10.1.2.0/24          10.1.0.13       104  static               1          1
    10.1.3.0/24          10.1.0.6        102  static               1          1
    127.0.0.0/8          reject               static              0          0

Switch-4# show ip route static
                              IP Route Entries
    Destination          Gateway        VLAN Type      Sub-Type   Metric     Dist.
    ------------------   ------------    ---- --------- ---------  ---------  -----
    10.1.2.0/24          10.1.0.5        102  static               1          1
    127.0.0.0/8          reject               static              0          0
```

Exhibit 2 shows the IP routine tables for all the switches after the link between Switch-4 and Switch-2 failed \\'/\\'hen This link fails traffic between 10 1 3 0/24 and 10.1.2.0724 is disrupted What should the network administrator do to ensure that this traffic continues to flow if this link fails in the future? (Assume that routes on Switch-1 and Switch-3 are correct.)
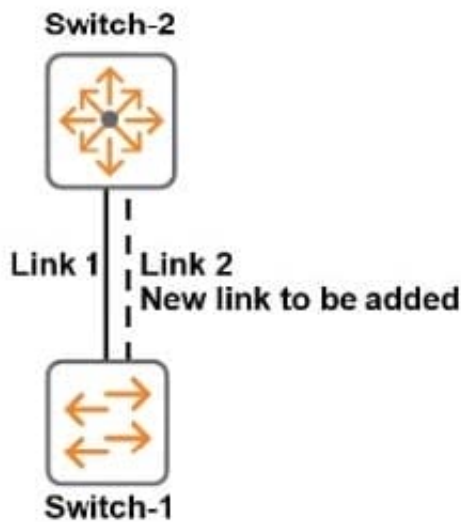
A. Add a route to 10.1.3.0/24 through 10.1.3 1 on Switch-4.

B. Add a route to 10.1.2.0/24 through 10.1.0.14 on Switch-2.

C. Add a route to 10.1.3.0/24 through 10.1.0.14 on Switch-2

D. Add a route to 10.1.2 0/24 through 10.1.2.1 on Switch-4.

Correct Answer: B

QUESTION 14

Refer to the exhibit.

The switches in the exhibit use RSTP The network administrator needs to add Link 2. Why should the administrator configure Links 1 and 2 as a link aggregation?

A. to combine traffic statistics for the interfaces

B. to prevent a loop from occurring

C. to share traffic more evenly over both links

D. to automatically apply the settings already configured for Link 1 to Link 2

Correct Answer: C

QUESTION 15

A company needs a modular switch that can be combined with another modular switch into a single logical fabric. Which ArubaOS switch series meets these criteria?

A. Aruba 2930F Series

B. Aruba 3800 Series

C. Aruba 3810 Series

D. Aruba 5400R Series

Correct Answer: A