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Deploying HP FlexNetwork Core Technologies

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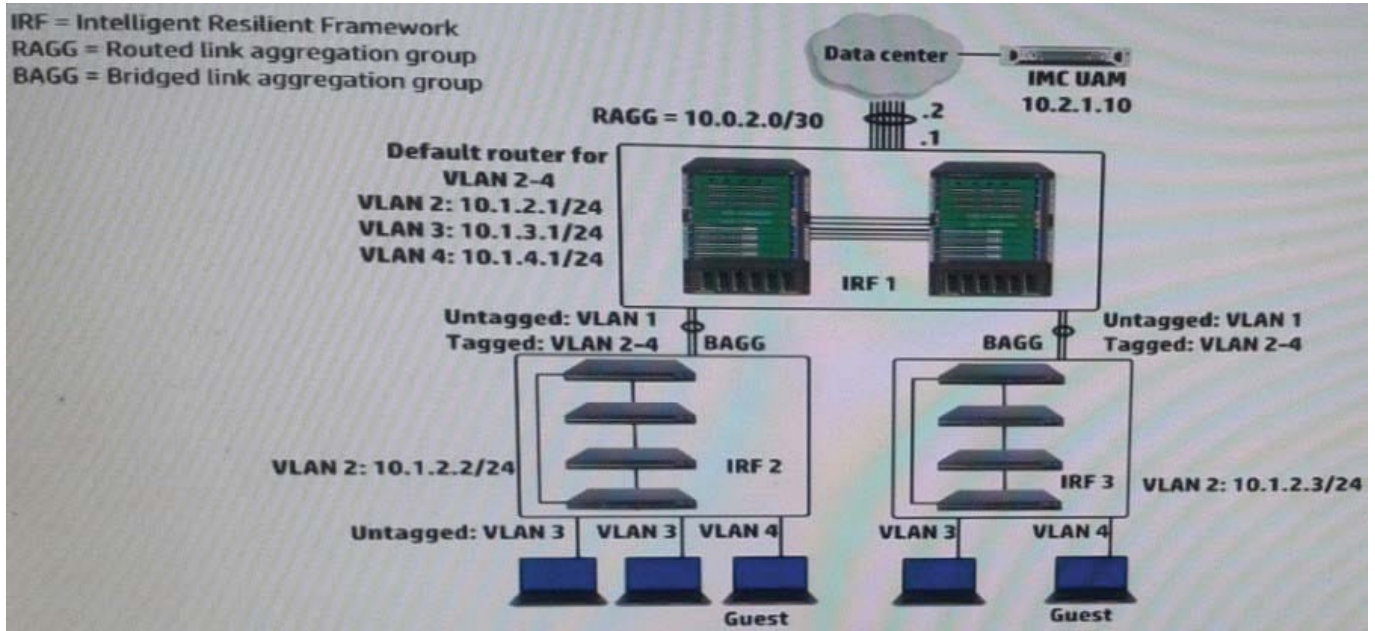
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QUESTION 1

Refer to the exhibit.



A company wants to implement a portal authentication solution for guests (such a solution is also called Web-Auth). Guest belong to VLAN4, as shown in the exhibit. The intelligent Management Center (IMC) User Access Manager (UAM) will provide authentication and the Web Portal.

Where should the network administrator enable portal authentication?

- A. On the VLAN 4 interface on the core IRF virtual switch
- B. On the ports with membership for VLAN 4 on the access layer IRF virtual switches
- C. On the ports with membership for VLAN 4 on the core IRF virtual switch
- D. On VLAN 4 on the core IRF virtual switch

Correct Answer: B

QUESTION 2

Refer to the exhibit.



```
#partial running-config
qos dscp-map 32 priority 4
qos dscp-map 48 priority 6
qos tcp-port ipv4 5060 dscp 32
interface A1
  qos priority 1
```

A network administrator is checking the Quality of Service (QoS) settings on an HP ProVision Switch.

This frame arrives on the switch:

Ingress port: A1

No 802.1Q tag

Source IP address = 10.1.2.10

Destination IP address = 10.1.4.4

DSCP = 48

Destination TCP port = 5060

To which priority queue will the switch assign this frame? (Queues are numbered 0-7) B. 1

C. 4

D. 6

Correct Answer: C

If more than one global classification criteria, they are searched in the following order: TCP / UDP port number IP-address of the sender and receiver IP precedence value DSCP value Minutes of the third level VLAN number Incoming port switch Markings on the data link layer 802.1p When a packet is matched by several criteria, the marking is applied only for the first matched by the order

QUESTION 3

A company uses 802.1X authentication to force users to connect to the network. The company uses access layer switches to enforce the 802.1X authentication and HP IMC User Access manager (UAM) as the RADIUS server.

The customer requires switches to apply a specific settings to contractor use connections. The network administrator checks the switch documentation and determines that this settings uses a vendor-specific attribute (VSA). The administrator

check UAN and verifies that it has this VSA defined on it.

How does administrator configure UAM to apply the correct setting?

A. Define IP port groups on the access devices that need to receive the settings. Configure the VSA and its settings within these groups



- B. Add the settings to the VSA definition and then activate the VSA globally
- C. Create a scenario with the VSA and its settings: apply this scenario to the access devices that need to receive the settings
- D. Create a proprietary attribute policy with the VSA and its settings; apply this policy in the service policy for the contractor users

Correct Answer: C

QUESTION 4

Match each characteristic to the connect multicast routing protocol. If both protocols exhibit characteristic, you must select both.

Hot Area:

Require Internet Group Management Protocol (IGMP) to learn which interfaces have endpoints that need multicasts

▼

PIM-SM only

PIM-DM only

Both PIM-SM and PIM-DM

Requires network administrator to configure at least one rendezvous (RP)

▼

PIM-SM only

PIM-DM only

Both PIM-SM and PIM-DM

Uses a unicast routing table to determine whether incoming multicasts are arriving on the correct upstream interface

▼

PIM-SM only

PIM-DM only

Both PIM-SM and PIM-DM

Hot Area:



Require Internet Group Management Protocol (IGMP) to learn which interfaces have endpoints that need multicasts

- PIM-SM only
- PIM-DM only
- Both PIM-SM and PIM-DM

Requires network administrator to configure at least one rendezvous (RP)

- PIM-SM only
- PIM-DM only
- Both PIM-SM and PIM-DM

Uses a unicast routing table to determine whether incoming multicasts are arriving on the correct upstream interface

- PIM-SM only
- PIM-DM only
- Both PIM-SM and PIM-DM

Correct Answer:

Require Internet Group Management Protocol (IGMP) to learn which interfaces have endpoints that need multicasts

- PIM-SM only
- PIM-DM only
- Both PIM-SM and PIM-DM

Requires network administrator to configure at least one rendezvous (RP)

- PIM-SM only
- PIM-DM only
- Both PIM-SM and PIM-DM

Uses a unicast routing table to determine whether incoming multicasts are arriving on the correct upstream interface

- PIM-SM only
- PIM-DM only
- Both PIM-SM and PIM-DM

(PIM-SM distributes information about active sources by forwarding data packets on the shared tree. Because PIM-SM uses shared trees (at least, initially), it requires the use of a rendezvous point (RP). The RP must be administratively configured in the network.)



QUESTION 5

Match the HP network infrastructure product to its HP FlexNetwork component.

Hot Area:

MultiService Router (MSR) Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

HP 5900v Switch Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

HP 10500 Switch Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

Hot Area:



MultiService Router (MSR) Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

HP 5900v Switch Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

HP 10500 Switch Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

Correct Answer:

MultiService Router (MSR) Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

HP 5900v Switch Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	

HP 10500 Switch Series

	▼
HP FlexCampus	
HP FlexBranch	
HP FlexFabric	



1 MSR HP FlexBranch or (and) FlexCampus
<http://h17007.www1.hp.com/us/en/networking/products/routers/portfolio.aspx#branch>
<http://h17007.www1.hp.com/us/en/networking/products/routers/portfolio.aspx#campus>
<http://h17007.www1.hp.com/us/en/networking/products/routers/portfolio.aspx#datacenter> HP5900V

QUESTION 6

How does virtual output queuing (VoQ) help switches avoid head-of-line blocking and enhance throughput?

- A. It divides each port ingress queue into different queues based on the priority and egress port of each packet
- B. It establishes a matrix of connections to multiple cross-bar switches within the switch backplane
- C. It considers traffic congestion, queues traffic, and informs the ingress port when it can use the crossbar
- D. It allows the ingress port to fragment packets and send the fragments in multiple queues over different crossbars

Correct Answer: A

QUESTION 7

Refer to the exhibit. Exhibit 1

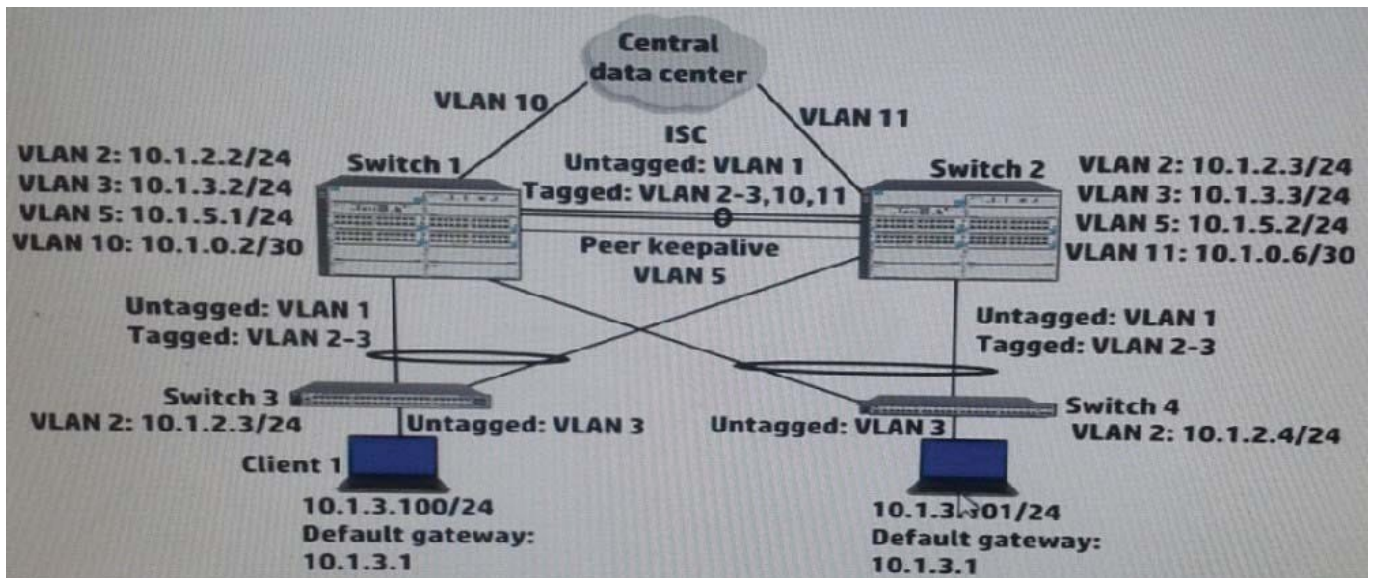


Exhibit 2



```
Switch1# show vrrp vlan 3
VRRP Virtual Router Statistics Information

Vlan ID                : 3
Virtual Router ID      : 1
State                  : Backup
Up Time                : 30 minutes
Virtual MAC Address    : 00005e-000101
Master's IP Address    : 10.1.3.3
Associated IP Addr Count : 1
Advertise Pkts RX     : 451
Zero Priority RX      : 0
Bad Length Pkts      : 0
Mismatched Interval Pkts : 0
Mismatched IP TTL Pkts : 0
Near Failovers        : 0
Become Master         : 0
Zero Priority Tx      : 0
Bad Type Pkts        : 0
Mismatched Addr List Pkts : 0
Mismatched Auth Type Pkts : 0
```

Client 1 is transmitting traffic to the data center. Switch 3 transmits the traffic on the link to Switch 1. How does Switch 1 handle the traffic received from Client 1?

- A. It forwards the traffic over the ISC to Switch 2.
- B. It routes the traffic and forwards it towards the data center.
- C. It drops the traffic.
- D. It forwards the traffic over the keepalive link to Switch 2.

Correct Answer: A

It see that destination MAC address is accessible

QUESTION 8

Refer to the exhibits. Exhibit1

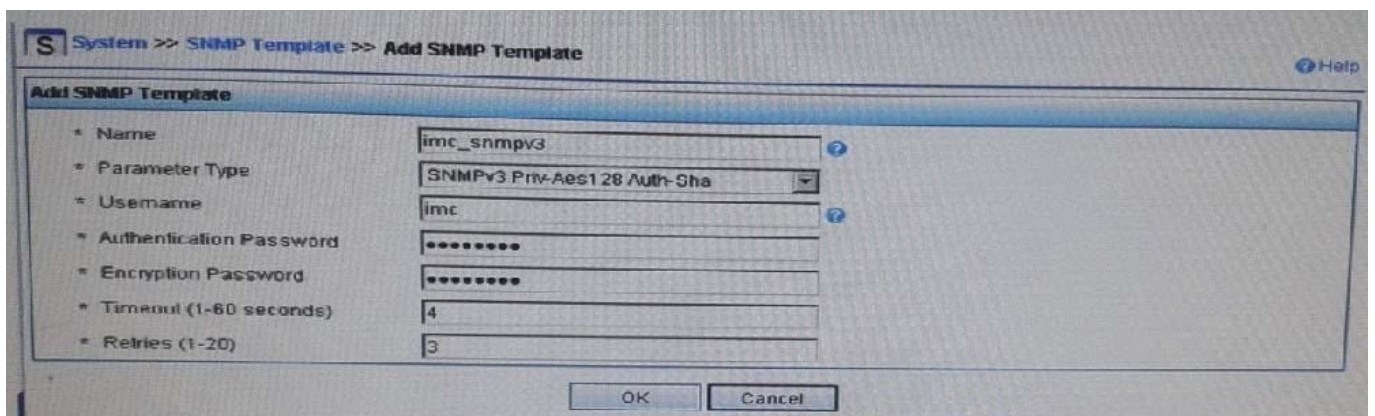


Exhibit 2



```
Provision-Switch# show snmpv3 enable
Status and Counters - SNMP v3 Global Configuration Information
SNMP v3 enabled : Yes

Provision-Switch# show snmpv3 user
Status and Counters - SNMP v3 Global Configuration Information

User Name                               Auth. Protocol   Privacy Protocol
-----
imc                                       SHA              CFB AES-128

Provision-Switch# show snmpv3 group
Status and Counters - SNMP v3 Global Configuration Information

Security Name                            Security Model   Group Name
-----
CommunityManagerReadOnly                 ver1             ComManagerR
CommunityManagerReadWrite                 ver1             ComManagerRW
CommunityOperatorReadOnly                 ver1             ComOperatorR
CommunityOperatorReadWrite                 ver1             ComOperatorRW
CommunityManagerReadOnly                 ver2c            ComManagerR
CommunityManagerReadWrite                 ver2c            ComManagerRW
CommunityOperatorReadOnly                 ver2c            ComOperatorR
CommunityOperatorReadWrite                 ver2c            ComOperatorRW
```

Exhibit 1 shows the SNMP template that HP Intelligent Management Center (IMC) will use when discovering an HP Provision switch. Exhibit 2 settings on the switch. IMC should have rights to read and write any parameter on the switch.

Which task must the network administrator complete to accomplish this?

- A. Create an MIB view and assign it to the "imc" user
- B. Enable the ver3 security model for the "CommunityManagerReadWrite" user
- C. Adding the "imc" user to the ManagerPriv group
- D. Change the "imc" user to ver2c mode

Correct Answer: C

<http://www.networktasks.co.uk/environments/hp/provision/snmpv3-and-imc> want to now create a more secure user, with SHA and AES-128

snmpv3 user imc auth sha mysecurepassword priv aes myprivpassword Add the user to the managerpriv group

snmpv3 group managerpriv user imc sec-model ver3

QUESTION 9

Refer to the exhibit.



C. The switch always sends the device MAC address as the username. Depending on the configuration, the password is the device MAC address or a configured password.

D. The switch always sends the device MAC address as the username and the password, and this behavior cannot be reconfigured.

Correct Answer: D

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