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QUESTION 1

Refer to the exhibit.

```
Provision-Switch# show access-list vlan 4
Access Lists for VLAN 4
  IPV6 Inbound          : (None)
  IPV4 Inbound          : MyACL   Type: Extended
  IPV6 Outbound         : (None)
  IPV4 Outbound         : (None)
  IPV6 VLAN             : (None)
  IPV4 VLAN             : (None)
  IPV4 Connection Rate Filter : (None)
```

```
Provision-Switch# show access-list MyACL
Access Control Lists
  Name: MyACL
  Type: Extended
  Applied: Yes
```

SEQ	Entry
10	Action: permit Src IP: 10.1.4.0 Mask: 0.0.0.255 Dst IP: 10.2.1.10 Mask: 0.0.0.0 Port(s): eq 53 Proto : UDP TOS : - Precedence: -
20	Action: permit Src IP: 10.1.4.0 Mask: 0.0.0.255 Dst IP: 10.2.1.22 Mask: 0.0.0.0 Port(s): eq 8080 Proto : TCP TOS : - Precedence: -
30	Action: deny Src IP: 10.1.4.0 Mask: 0.0.0.255 Dst IP: 10.2.0.0 Mask: 0.0.255.255 Port(s): Proto : IP TOS : - Precedence: -
40	Action: permit Src IP: 10.1.4.0 Mask: 0.0.0.255 Dst IP: 10.1.3.0 Mask: 0.0.0.255 Port(s): Proto : IP TOS : - Precedence: -

The switch with the ACL shown in the exhibit has IP address 10.1.4/24 on VLAN 4. It is the default router for 10.1.0/24. A client in VLAN 4 broadcast a DHCP discovery request, and the request arrives on this switch. What happens?

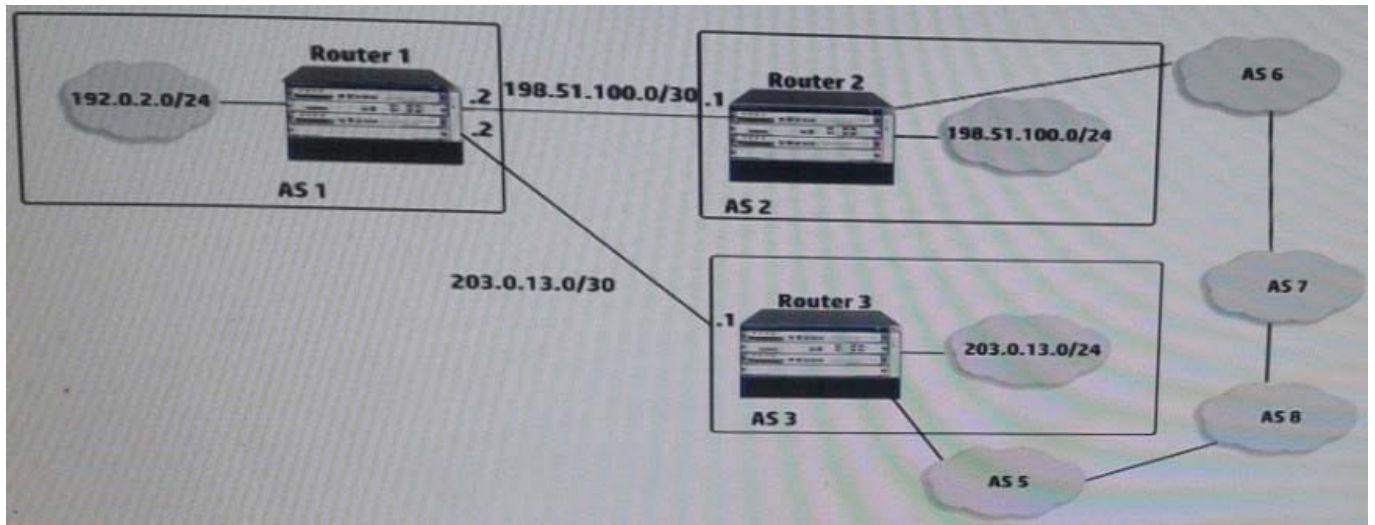
- A. The ACL processes the packet, and the packet is permitted and then switched.
- B. The switch routes the packet out of VLAN 4 to the VLAN with the DHCP server.
- C. The ACL processes the packet, and the packet is dropped.
- D. The switch floods the broadcast in VLAN 4.

Correct Answer: D



QUESTION 2

Refer to the exhibit.



These three routers are currently configured for BGP. They do not apply any routing policy in terms of BGP on routes or attributes advertised to an received from peers. How can the network administrator for Router 1 cause Router 1 to advertise 192.0.2.0/24 to Router 2 and Router 3?

- A. Enable BGP routing on RAGG1
- B. Add a null route to 192.0.2.0/24
- C. Apply route policy 1 as an inbound policy for both peers
- D. Apply route policy 1 as an outbound policy for both peers

Correct Answer: B

:

QUESTION 3

For which use case is a basic or standard access control list (ACL) appropriate?

- A. Controlling which devices can access other devices based on the MAC addresses
- B. Controlling which devices can access other devices based on the IP protocol number
- C. Controlling which devices can access other devices based on the IP addresses
- D. Controlling which devices can access other devices based on the source VLAN tag

Correct Answer: C



QUESTION 4

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 5

A company has configured two switches as an HP Intelligent Resilient Framework (IRF) virtual device. The IRF port on each switch is bound to multiple physical links. How does the switch select the link for transmitting packets on that IRF port?

- A. It uses a round-robin mechanism in which it sends each packet over a different link in turn.
- B. It uses a weighted round-robin mechanism, in which it sends each packet over a different link in turn, but can send more packets over certain links over higher weighted.
- C. It uses one of the links as an active link, the other links are in standby mode and can become active if the active link fails
- D. It uses a hash of various Layer 2, 3, or 4 information in the packet, depending on the type of traffic, the switch model, and the IRF load-sharing.

Correct Answer: C

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