



200-301^{Q&As}

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QUESTION 1

When deploying a Cisco ASA Firepower module, an organization wants to evaluate the contents of the traffic without affecting the network. It is currently configured to have more than one instance of the same device on the physical appliance. Which deployment mode meets the needs of the organization?

- A. inline tap monitor-only mode
- B. passive monitor-only mode
- C. passive tap monitor-only mode
- D. inline mode

Correct Answer: B

QUESTION 2

Which device performs stateful inspection of traffic?

- A. firewall
- B. switch
- C. access point
- D. wireless controller

Correct Answer: A

Stateful inspection, also known as dynamic packet filtering, is a firewall technology that monitors the state of active connections and uses this information to determine which network packets to allow through the firewall.

QUESTION 3

Refer to the exhibit.



```
Gateway of last resort is 172.16.2.2 to network 0.0.0.0

  10.0.0.0/8 is variably subnetted, 3 subnets, 3 masks
    10.10.100.0/26 is directly connected, GigabitEthernet0/0/6
C    10.10.10.0/24 is directly connected, GigabitEthernet0/0/0
L    10.10.10.3/32 is directly connected, GigabitEthernet0/0/0
    172.16.0.0/16 is variably subnetted, 3 subnets, 2 masks
S    172.16.1.33/32 is directly connected, GigabitEthernet0/0/1
C    172.16.2.0/23 is directly connected, GigabitEthernet0/0/1
L    172.16.2.1/32 is directly connected, GigabitEthernet0/0/1
S*   0.0.0.0/0 [1/0] via 172.16.2.2
```

A packet sourced from 10.10.10.32 is destined for the internet.

- A. 0
- B. 1
- C. 2
- D. 32

Correct Answer: B

The administrative distance for the destination route is 1 because the gateway of last resort is configured with an administrative distance of 1 (indicated by the [1/0] in the routing table output) and the destination route for the Internet (0.0.0.0/0) is learned via that gateway. Therefore, the correct answer is B. 1.

QUESTION 4

For what two purposes does the Ethernet protocol use physical addresses?

- A. to uniquely identify devices at Layer 2
- B. to allow communication with devices on a different network
- C. to differentiate a Layer 2 frame from a Layer 3 packet
- D. to establish a priority system to determine which device gets to transmit first
- E. to allow communication between different devices on the same network
- F. to allow detection of a remote device when its physical address is unknown

Correct Answer: AE

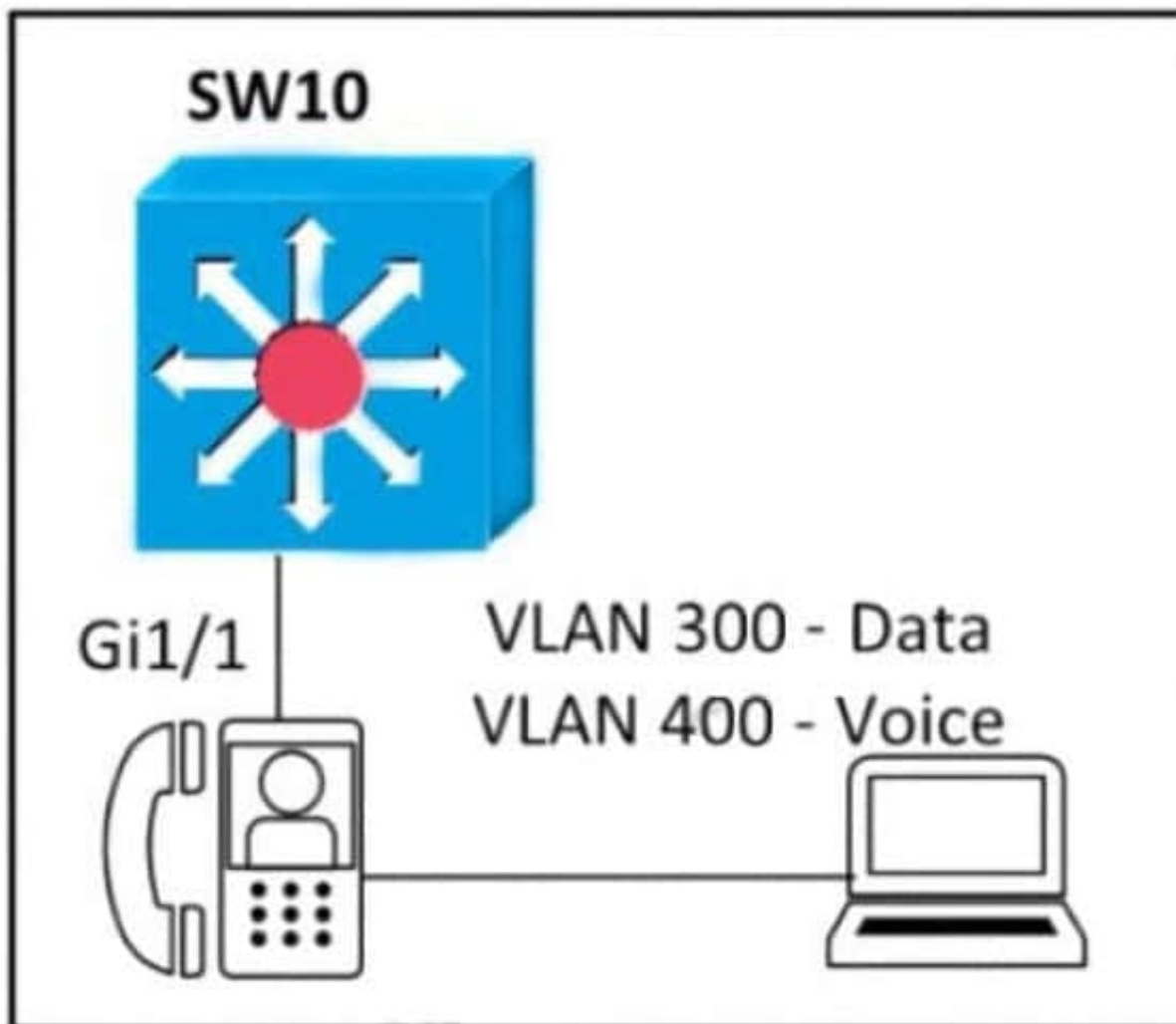
Transmission Control Protocol/Internet Protocol Packet Analysis ... In a LAN, each node is assigned a physical address, also known as a MAC/Ethernet address. This address is unique to each of the nodes on the LAN and is 6 bytes (48 bits) long, which is burned on the Ethernet card (also known as the network interface card). Ethernet is a byte-count protocol.



A node on a LAN broadcasts a frame that is heard by all other nodes; only the node whose Ethernet address matches with the DA in the Ethernet frame copies the frame into its buffer.

QUESTION 5

Refer to the exhibit.



An engineer must configure GigabitEthernet1/1 to accommodate voice and data traffic Which configuration accomplishes this task?



A

```
interface gigabitethernet1/1
switchport mode access
switchport access vlan 300
switchport voice vlan 400
```

B

```
interface gigabitethernet1/1
switchport mode trunk
switchport trunk vlan 300
switchport voice vlan 400
```

C

```
interface gigabitethernet1/1
switchport mode trunk
switchport trunk vlan 300
switchport trunk vlan 400
```

D

```
interface gigabitethernet1/1
switchport mode access
switchport voice vlan 300
switchport access vlan 400
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

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