



# 640-554<sup>Q&As</sup>

Implementing Cisco IOS Network Security (IINS v2.0)

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### QUESTION 1

Which command will configure a Cisco router to use a TACACS+ server to authorize network services with no fallback method?

- A. aaa authorization exec default group tacacs+ none
- B. aaa authorization network default group tacacs+ none
- C. aaa authorization network default group tacacs+
- D. aaa authorization network default group tacacs+ local

Correct Answer: C

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### QUESTION 2

Which two protocols can SNMP use to send messages over a secure communications channel? (Choose two.)

- A. DTLS
- B. TLS
- C. ESP
- D. AH
- E. ISAKMP

Correct Answer: AB

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### QUESTION 3

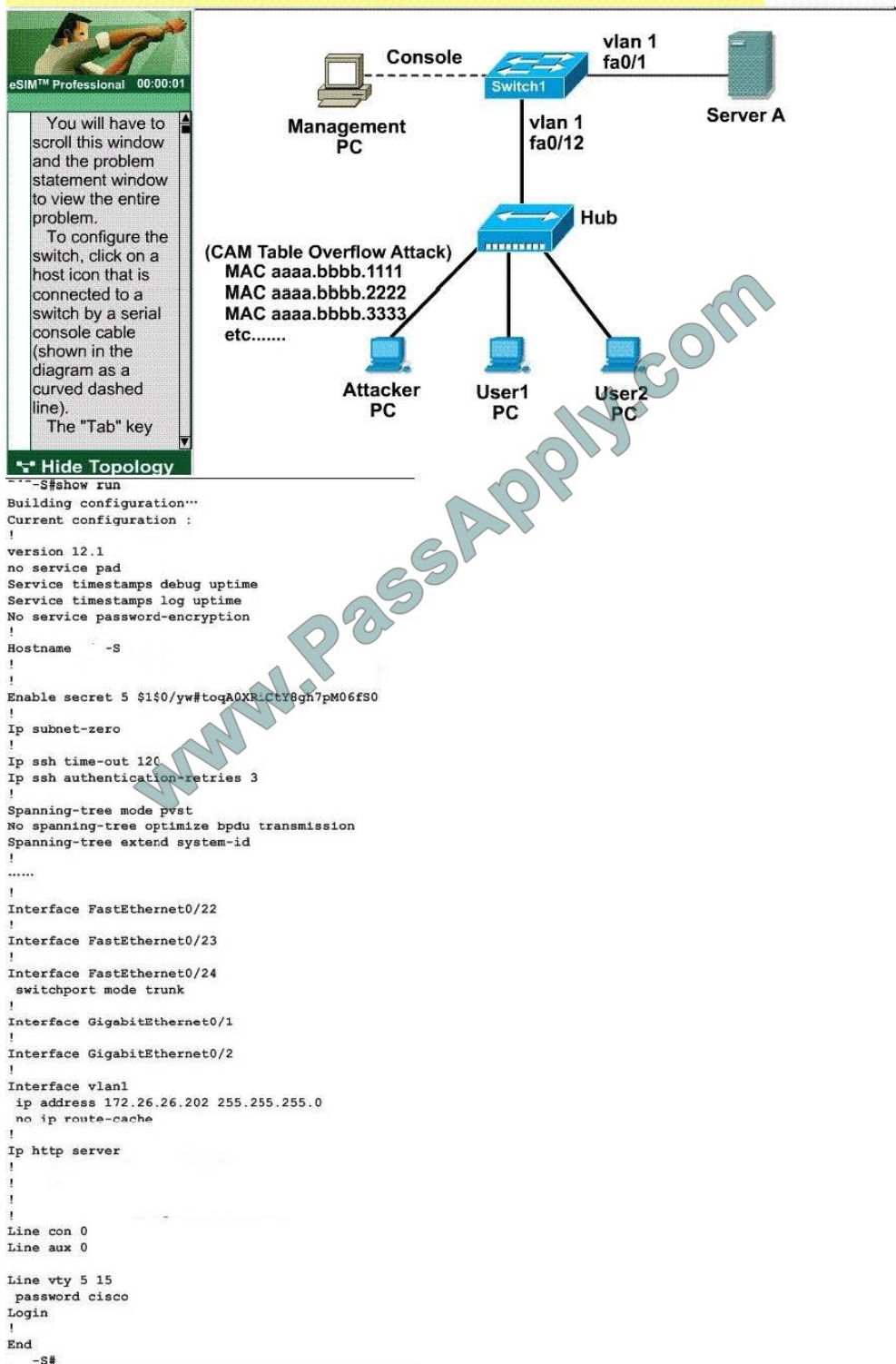
SIMULATION LAB



You are the network security administrator for Big Money Bank Co. You are informed that an attacker has performed a CAM table overflow attack by sending spoofed MAC addresses on one of the switch ports. The attacker has since been identified and escorted out of the campus. You now need to take action to configure the switch port to protect against this kind of attack in the future.

For purposes of this test, the attacker was connected via a hub to the Fa0/12 interface of the switch. The topology is provided for your use. The enable password of the switch is cisco. Your task is to configure the Fa0/12 interface on the switch to limit the maximum number of MAC addresses that are allowed to access the port to two and to shutdown the interface when there is a violation.

Enable password: cisco





Correct Answer: Here is the solution below

```
Switch1>enable
```

```
Switch1#config t
```

```
Switch1(config)#interface fa0/12
```

```
Switch1(config-if)#switchport mode access
```

```
Switch1(config-if)#switchport port-security maximum 2
```

```
Switch1(config-if)#switchport port-security violation shutdown
```

```
Switch1(config-if)#no shut
```

```
Switch1(config-if)#end
```

```
Switch1#copy run start
```

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#### QUESTION 4

What is the Cisco preferred countermeasure to mitigate CAM overflows?

- A. port security
- B. dynamic port security
- C. IP source guard
- D. root guard

Correct Answer: B

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#### QUESTION 5

The host A Layer 2 port is configured in VLAN 5 on switch 1, and the host B Layer 2 port is configured in VLAN 10 on switch 1. Which two actions you can take to enable the two hosts to communicate with each other? (Choose two.)

- A. Configure inter-VLAN routing.
- B. Connect the hosts directly through a hub.
- C. Configure switched virtual interfaces.
- D. Connect the hosts directly through a router.

Correct Answer: AC

VLANs divide broadcast domains in a LAN environment. Whenever hosts in one VLAN need to communicate with hosts in another VLAN, the traffic must be routed between them. This is known as inter-VLAN routing. On Catalyst switches it is accomplished by creating Layer 3 interfaces (Switch virtual interfaces (SVI) ). Reference:  
<http://www.cisco.com/c/en/us/support/docs/lan-switching/inter-vlan-routing/41860-howto-L3-intervlanrouting.html>



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