



[Cisco 642-502](#)

Exam Name: *Securing Networks with Cisco Routers and Switches Exam(SNRS)*

Q & A : 62 Q&As

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Exam : Cisco 642-502

Title : Cisco(r) Securing Networks with Cisco Routers and Switches Exam(SNRS)

1. In a Cisco Identity-Based Networking Services (IBNS) implementation, the endpoint that is seeking network access is known as what?

- A. host
- B. authenticator
- C. PC
- D. authentication server
- E. client
- F. supplicant

Answer:F

2. Which Cisco Catalyst IOS command is used to mitigate a MAC spoofing attack?

- A. switch(config-if)# port-security mac-address 0000.ffff.aaaa
- B. switch(config)# switchport port-security mac-address 0000.ffff.aaaa
- C. switch(config-if)# switchport port-security mac-address 0000.ffff.aaaa
- D. switch(config)# port-security mac-address 0000.ffff.aaaa
- E. switch(config-if)# mac-address 0000.ffff.aaaa
- F. switch(config)# security mac-address 0000.ffff.aaaa

Answer:C

3. Which Cisco Catalyst IOS command can be used to mitigate a CAM table overflow attack?

- A. switch(config-if)# port-security maximum 1
- B. switch(config)# switchport port-security
- C. switch(config-if)# port-security
- D. switch(config-if)# switchport port-security maximum 1
- E. switch(config-if)# switchport access
- F. switch(config-if)# access maximum 1

Answer:D

4. In an 802.1x implementation, the supplicant directly connects to, and obtains network access permission through, which device?

- A. host
- B. authenticator
- C. PC
- D. authentication server
- E. client
- F. supplicant

Answer:B

5. Which three keywords are used with the dot1x port-control command? (Choose three.)

- A. enable
- B. force-authorized
- C. force-unauthorized
- D. authorized
- E. unauthorized
- F. auto

Answer:BCF

6. In an 802.1x implementation, the authenticator acts as a gateway to which device?

- A. host
- B. authenticator
- C. PC
- D. authentication server
- E. client
- F. supplicant

Answer:D

7. Refer to the output of a sh ip auth-proxy cache command below. Which port is being used by the client?

```
R2#sh ip auth-proxy cache
```

```
Authentication Proxy Cache
```

```
Client Name aauser, Client IP 10.0.2.12, Port 2636, timeout 5, Time Remaining 3, state ESTAB
```

- A. 1645
- B. 1646
- C. 1812
- D. 2636
- E. 2640
- F. 8080

Answer:D

8. The Cisco Identity-Based Networking Services (IBNS) solution is based on which two standard implementations? (Choose two.)

- A. TACACS+
- B. RADIUS
- C. 802.11

- D. 802.1x
 - E. 802.1q
 - F. IPSec
- Answer:BD

9. Which three are typical Layer 2 attack mitigation techniques? (Choose three.)

- A. switch security
- B. port security
- C. ARP snooping
- D. DHCP snooping
- E. port snooping
- F. 802.1x authentication

Answer:BDF

10. CBAC intelligently filters TCP and UDP packets based on which protocol-session information?

- A. network layer
- B. transport layer
- C. data-link
- D. application layer
- E. presentation layer
- F. session layer

Answer:D

11. What is the purpose of the ip ips sdf builtin command?

- A. to load IPS on a router using the built-in signatures
- B. to load IP on a router using the attack-drop signatures
- C. to unload IPS built-in signatures
- D. to delete the IPS built-in signatures
- E. to load IPS on a router using the built-in micro-engine
- F. to disable IPS on a router using the built-in micro-engine

Answer:A

12. Refer to the exhibit. Given the output of the show ip ips configuration command, how many signatures are active?

- A. 0
- B. 50
- C. 83
- D. 100
- E. 183
- F. 1107

Answer:E

13. The SDF uses which type of file format, with a definition of each signature along with relevant configurable actions?

- A. ASCII
- B. HTML
- C. JPEG
- D. Word
- E. text
- F. XML

Answer:F

14. Choose the two commands that are used to enable the router's HTTP server for AAA. (Choose two.)

- A. http server
- B. ip http server
- C. enable ip http server
- D. http authentication aaa
- E. http server authentication aaa
- F. ip http authentication aaa

Answer:BF

15. Which command is required to specify the authorization protocol for authentication proxy?

- A. auth-proxy group tacacs+

- B. aaa auth-proxy default group tacacs+
- C. authorization auth-proxy default group tacacs+
- D. aaa authorization auth-proxy default group tacacs+
- E. aaa authorization auth-proxy group tacacs+
- F. aaa authorization auth-proxy default group

Answer:D

16. What are three main components of the Cisco IOS Firewall feature set? (Choose three.)

- A. Context-based Access Control
- B. port security
- C. authentication proxy
- D. authentication, authorization, and accounting
- E. Intrusion Prevention System
- F. neighbor router authentication

Answer:ACE

17. Which two are typical Layer 2 attacks? (Choose two.)

- A. MAC spoofing
- B. CAM table overflow
- C. route poisoning
- D. DHCP Starvation
- E. ARP Starvation
- F. spam

Answer:AB

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