

**Exam : Cisco 640-553**

**Title : IINS Implementing Cisco  
IOS Network Security**

**Version : Demo**

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1. What are two characteristics of the SDM Security Audit wizard? (Choose two.)

- A. displays a screen with Fix-it check boxes to let you choose which potential security-related configuration changes to implement
- B. has two modes of operation interactive and non-interactive
- C. automatically enables Cisco IOS firewall and Cisco IOS IPS to secure the router
- D. uses interactive dialogs and prompts to implement role-based CLI
- E. requires users to first identify which router interfaces connect to the inside network and which connect to the outside network

**Answer: AE**

2. Which of these correctly matches the CLI command(s) to the equivalent SDM wizard that performs similar configuration functions?

- A. Cisco Common Classification Policy Language configuration commands and the SDM Site-to-Site VPN wizard
- B. auto secure exec command and the SDM One-Step Lockdown wizard
- C. setup exec command and the SDM Security Audit wizard
- D. class-maps, policy-maps, and service-policy configuration commands and the SDM IPS wizard
- E. aaa configuration commands and the SDM Basic Firewall wizard

**Answer: B**

3. Refer to the exhibit. What does the option secret 5 in the username global configuration mode command indicate about the enable secret password?

```
router#sh run | include username
```

```
username test secret 5 $1$knm.$GOGQBIL8TK77P0LWxvX4O0
```

- A. It is hashed using SHA.
- B. It is encrypted using DH group 5.
- C. It is hashed using MD5.
- D. It is encrypted via the service password-encryption command.

- E. It is hashed using a proprietary Cisco hashing algorithm.
- F. It is encrypted using a proprietary Cisco encryption algorithm.

**Answer: C**

4. What will be disabled as a result of the no service password-recovery command?

- A. changes to the config-register setting
- B. ROMMON
- C. password encryption service
- D. aaa new-model global configuration command
- E. the xmodem privilege EXEC mode command to recover the Cisco IOS image

**Answer: B**

5. Refer to the exhibit. Which statement is correct based on the show login command output shown?

```
router# show login
```

```
A default login delay of 1 seconds is applied.  
No Quiet-Mode access list has been configured.  
All successful login is logged and generate SNMP traps.  
All failed login is logged and generate SNMP traps.  
Router enabled to watch for login Attacks.  
If more than 2 login failures occur in 100 seconds or less, logins will be disabled for 100 seconds.  
Router presently in Quiet-Mode, will remain in Quiet-Mode for 93 seconds.  
Denying logins from all sources.
```

- A. When the router goes into quiet mode, any host is permitted to access the router via Telnet, SSH, and

HTTP, since the quiet-mode access list has not been configured.

- B. The login block-for command is configured to block login hosts for 93 seconds.
- C. All logins from any sources are blocked for another 193 seconds.
- D. Three or more login requests have failed within the last 100 seconds.

**Answer: D**

6. What does level 5 in the following enable secret global configuration mode command indicate?

```
router#enable secret level 5 password
```

- A. The enable secret password is hashed using MD5.
- B. The enable secret password is hashed using SHA.
- C. The enable secret password is encrypted using Cisco proprietary level 5 encryption.
- D. Set the enable secret command to privilege level 5.
- E. The enable secret password is for accessing exec privilege level 5.

**Answer: E**

7. During role-based CLI configuration, what must be enabled before any user views can be created?

- A. multiple privilege levels
- B. usernames and passwords
- C. aaa new-model command
- D. secret password for the root user
- E. HTTP and/or HTTPS server

**Answer: C**

8. What is a result of securing the Cisco IOS image using the Cisco IOS image resilience feature?

- A. The show version command will not show the Cisco IOS image file location.
- B. The Cisco IOS image file will not be visible in the output from the show flash command.
- C. When the router boots up, the Cisco IOS image will be loaded from a secured FTP location.
- D. The running Cisco IOS image will be encrypted and then automatically backed up to the NVRAM.
- E. The running Cisco IOS image will be encrypted and then automatically backed up to a TFTP server.

**Answer: B**

9. What are three common examples of AAA implementation on Cisco routers? (Choose three.)

- A. authenticating remote users who are accessing the corporate LAN through IPsec VPN connections
- B. authenticating administrator access to the router console port, auxiliary port, and vty ports
- C. implementing PKI to authenticate and authorize IPsec VPN peers using digital certificates
- D. tracking Cisco Netflow accounting statistics
- E. securing the router by locking down all unused services
- F. performing router commands authorization using TACACS+

**Answer:** ABF

10. Refer to the exhibit. Which statement about the aaa configurations is true?

```
router(config)# username admin privilege level 15 secret hardt0cRackPw
router(config)# aaa new-model
router(config)# aaa authentication login default tacacs+
router(config)# aaa authentication login test tacacs+ local
router(config)# line vty 0 4
router(config-line)# login authentication test
router(config-line)# line con 0
router(config-line)# end
```

- A. The authentication method list used by the console port is named test.
- B. The authentication method list used by the vty port is named test.
- C. If the TACACS+ AAA server is not available, no users will be able to establish a Telnet session with the router.
- D. If the TACACS+ AAA server is not available, console access to the router can be authenticated using the local database.
- E. The local database is checked first when authenticating console and vty access to the router.

**Answer:** B

11. Which aaa accounting command is used to enable logging of both the start and stop records for user terminal sessions on the router?

- A. aaa accounting network start-stop tacacs+
- B. aaa accounting system start-stop tacacs+
- C. aaa accounting exec start-stop tacacs+

- D. aaa accounting connection start-stop tacacs+
- E. aaa accounting commands 15 start-stop tacacs+

**Answer: C**

12. Which access list will permit HTTP traffic sourced from host 10.1.129.100 port 3030 destined to host 192.168.1.10?

- A. access-list 101 permit tcp any eq 3030
- B. access-list 101 permit tcp 10.1.128.0 0.0.1.255 eq 3030 192.168.1.0 0.0.0.15 eq www
- C. access-list 101 permit tcp 10.1.129.0 0.0.0.255 eq www 192.168.1.10 0.0.0.0 eq www
- D. access-list 101 permit tcp host 192.168.1.10 eq 80 10.1.0.0 0.0.255.255 eq 3030
- E. access-list 101 permit tcp 192.168.1.10 0.0.0.0 eq 80 10.1.0.0 0.0.255.255
- F. access-list 101 permit ip host 10.1.129.100 eq 3030 host 192.168.1.100 eq 80

**Answer: B**

13. Which four methods are used by hackers? (Choose four.)

Select 4 response(s).

- A. footprint analysis attack
- B. privilege escalation attack
- C. buffer Unicode attack
- D. front door attacks
- E. social engineering attack
- F. Trojan horse attack

**Answer: ABEF**

14. Which characteristic is the foundation of Cisco Self-Defending Network technology?

- A. secure connectivity
- B. threat control and containment
- C. policy management
- D. secure network platform

**Answer: D**

15. Which location is recommended for extended or extended named ACLs?

A. an intermediate location to filter as much traffic as possible

B. a location as close to the destination traffic as possible

C. when using the established keyword, a location close to the destination point to ensure that return traffic is allowed

D. a location as close to the source traffic as possible

**Answer: D**

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