



640-554^{Q&As}

Implementing Cisco IOS Network Security (IINS v2.0)

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QUESTION 1

Which monitoring protocol uses TCP port 1470 or UDP port 514?

- A. RELP
- B. Syslog
- C. SDEE
- D. IMAP
- E. SNMP
- F. CSM

Correct Answer: B

QUESTION 2

What is the default STP priority on a switch?

- A. 4096
- B. 24576
- C. 16384
- D. 32768

Correct Answer: D

QUESTION 3

Which aaa accounting command is used to enable logging of 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+

Correct Answer: C

http://www.cisco.com/en/US/docs/ios/security/command/reference/sec_book.html



aaa accounting To enable authentication, authorization, and accounting (AAA) accounting of requested services for billing or security purposes when you use RADIUS or TACACS+, use the aaa accounting command in global configuration mode or template configuration mode. To disable AAA accounting, use the no form of this command. aaa accounting {auth-proxy | system | network | exec | connection | commands level | dot1x} {default | list-name | guarantee-first} [vrf vrf-name] {start-stop | stop-only | none} [broadcast] {radius | group group-name} no aaa accounting {authproxy | system | network | exec | connection | commands level | dot1x} {default | listname | guarantee-first} [vrf vrf-name] {start-stop | stop-only | none} [broadcast] {radius | group group-name} exec Runs accounting for the EXEC shell session. start-stop Sends a "start" accounting notice at the beginning of a process and a "stop" accounting notice at the end of a process. The "start" accounting record is sent in the background. The requested user process begins regardless of whether the "start" accounting notice was received by the accounting server.

QUESTION 4

What must be configured before Secure Copy can be enabled?

- A. SSH
- B. AAA
- C. TFTP
- D. FTP

Correct Answer: B

QUESTION 5

With which two NAT types can Cisco ASA implement address translation? (Choose two.)

- A. network object NAT
- B. destination NAT
- C. twice NAT
- D. source NAT
- E. double NAT

Correct Answer: AC

QUESTION 6

DRAG DROP

Select and Place:



Drag each AAA function from the left and drop it on the protocol that it corresponds to on the right.

has no option to authorize router commands	TACACS+
encrypts the entire packet	
combines authentication and authorization functions	
uses TCP port 49	

RADIUS

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Correct Answer:

Drag each AAA function from the left and drop it on the protocol that it corresponds to on the right.

	TACACS+
	uses TCP port 49
	encrypts the entire packet
	RADIUS
	combines authentication and authorization functions
	has no option to authorize router commands

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QUESTION 7

Which syslog level is associated with LOG_WARNING?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5
- F. 6
- G. 7
- H. 0

Correct Answer: D



Level Number	Severity Level	Description
0	emergencies	System is unusable.
1	alert	Immediate action is needed.
2	critical	Critical conditions.
3	error	Error conditions.
4	warning	Warning conditions.
5	notification	Normal but significant conditions.
6	informational	Informational messages only.
7	debugging	Debugging messages only.

QUESTION 8

Which one of the following items may be added to a password stored in MD5 to make it more secure?

- A. Ciphertext
- B. Salt
- C. Cryptotext
- D. Rainbow table

Correct Answer: B

Making an Md5 Hash More Secure To make the md5 hash more secure we need to add what is called "salt". Salt in this sense of the meaning is random data appended to the password to make the hash more complicated and difficult to reverse engineer. Without knowing what the salt is, rainbow table attacks are mostly useless. Reference: <http://www.marksanborn.net/php/creating-a-secure-md5-hash-for-storing-passwords-in-a-database/>

QUESTION 9

Which wildcard mask is associated with a subnet mask of /27?

- A. 0.0.0.31
- B. 0.0.0.27
- C. 0.0.0.224
- D. 0.0.0.255

Correct Answer: A



QUESTION 10

DRAG DROP

Select and Place:

Drag the signature engines from the left and drop them on their characteristics on the right. Not all engines are used.

other	inspects and analyzes things such as HTTP, FTP, and SMTP
string	examines simple packets
atomic	uses regular expression-based pattern inspection
multi-string	
service	

Correct Answer:

Drag the signature engines from the left and drop them on their characteristics on the right. Not all engines are used.

other	service
	atomic
	string
multi-string	

QUESTION 11

What is the function of an IPS signature?

- A. It determines the best course of action to mitigate a threat.
- B. It detects network intrusions by matching specified criteria.
- C. It provides logging data for allowed connections.
- D. It provides threat-avoidance controls.

Correct Answer: B

QUESTION 12

Which two options are characteristics of the Cisco Configuration Professional 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

Correct Answer: AE

http://www.cisco.com/en/US/docs/net_mgmt/cisco_configuration_professional/v2_7/olh/ccp.pdf

Perform Security Audit

This option starts the Security Audit wizard. The Security Audit wizard tests your router configuration to determine if any potential security problems exist in the configuration, and then presents you with a screen that lets you determine which of those security problems you want to fix. Once determined, the Security Audit wizard will make the necessary changes to the router configuration to fix those problems

To have Cisco CP perform a security audit and then fix the problems it has found:

Step 1

In the Feature bar, select Configure > Security > Security Audit.

Step 2

Click Perform Security Audit.

The Welcome page of the Security Audit wizard appears.

Step 3

Click Next>.

The Security Audit Interface Configuration page appears.

Step 4

The Security Audit wizard needs to know which of your router interfaces connect to your inside network and which connect outside of your network. For each interface listed, check either the Inside or Outside check box to indicate where the

interface connects.

Step 5

Click Next> .

The Security Audit wizard tests your router configuration to determine which possible security problems may exist. A screen showing the progress of this action appears, listing all of the configuration options being tested for, and whether or



not the current router configuration passes those tests. If you want to save this report to a file, click Save Report.

Step 6

Click Close.

The Security Audit Report Card screen appears, showing a list of possible security problems.

Step 7

Check the Fix it boxes next to any problems that you want Cisco Configuration Professional (Cisco CP) to fix.

For a description of the problem and a list of the Cisco IOS commands that will be added to your configuration, click the problem description to display a help page about that problem.

Step 8

Click Next>.

Step 9

The Security Audit wizard may display one or more screens requiring you to enter information to fix certain problems. Enter the information as required and click Next> for each of those screens.

Step 10

The Summary page of the wizard shows a list of all the configuration changes that Security Audit will make.

Click Finish to deliver those changes to your router.

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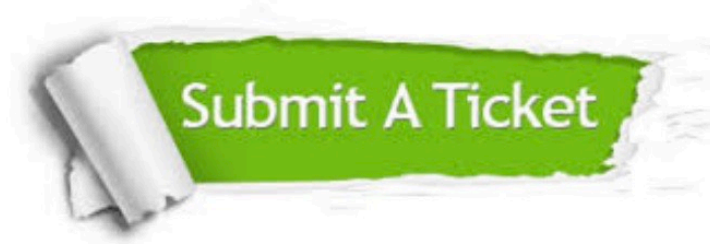
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