

**Exam** : **642-533**

**Title** : Implementing Cisco  
Intrusion Prevention System  
(IPS)

**Version** : Demo

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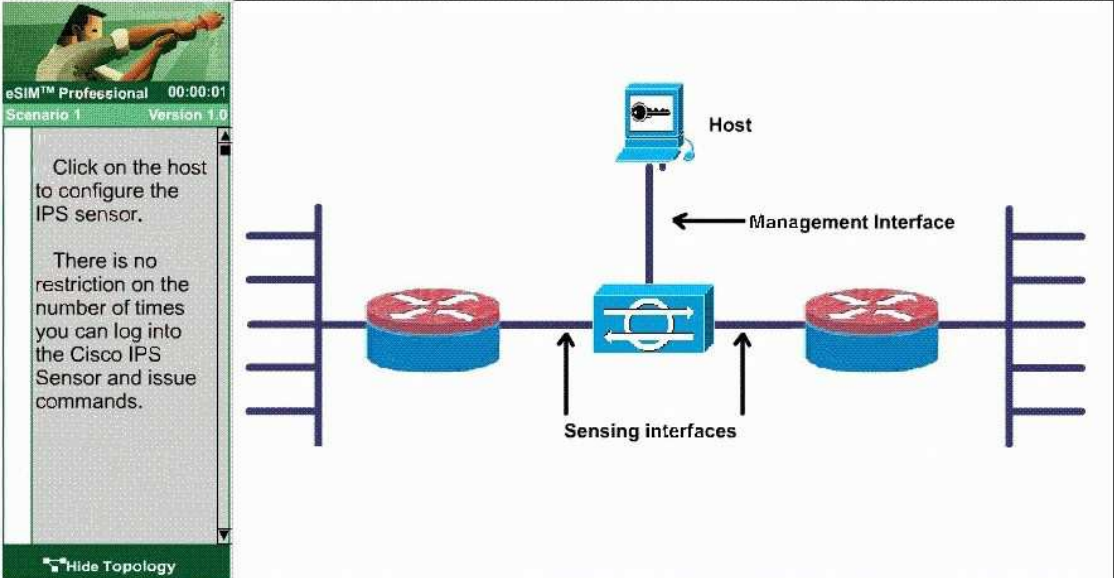
1. You think users on your corporate network are disguising the use of file-sharing applications by tunneling the traffic through port 80. How can you configure your Cisco IPS Sensor to identify and stop this activity?
- A. Enable all signatures in the Service HTTP engine.
  - B. Assign the Deny Packet Inline action to all signatures in the Service HTTP engine.
  - C. Enable all signatures in the Service HTTP engine. Then create an event action override that adds the Deny Packet Inline action to events triggered by these signatures if the traffic originates from your corporate network.
  - D. Enable the alarm for the non-HTTP traffic signature. Then create an Event Action Override that adds the Deny Packet Inline action to events triggered by the signature if the traffic originates from your corporate network.
  - E. Enable both the HTTP application policy and the alarm on non-HTTP traffic signature. Answer: E
2. A user with which user account role on a Cisco IPS Sensor can log into the native operating system shell for advanced troubleshooting purposes when directed to do so by Cisco TAC?
- A. administrator
  - B. operator
  - C. viewer D.
  - service E.
  - root
  - F. super
- Answer: D
3. Which character must precede a variable to indicate that you are using a variable rather than a string?
- A. percent sign
  - B. dollar sign
  - C. ampersand
  - D. pound sign
  - E. asterisk
- Answer: B
4. Which statement accurately describes Cisco IPS Sensor automatic signature and service pack updates?
- A. The Cisco IPS Sensor can automatically download service pack and signature updates from Cisco.com.
  - B. The Cisco IPS Sensor can download signature and service pack updates only from an FTP or HTTP server.
  - C. You must download service pack and signature updates from Cisco.com to a locally accessible server before they can be automatically applied to your Cisco IPS Sensor.
  - D. When you configure automatic updates, the Cisco IPS Sensor checks Cisco.com for updates hourly.
  - E. If multiple signature or service pack updates are available when the sensor checks for an update, the Cisco IPS Sensor installs the first update it detects.
- Answer: C

5. LAB

You are the network administrator in charge of the IPS sensors for a travel agency. You have upgraded to IPS software version 6.0.

On the morning of May 24, 2007, your assistant notified you that he recently tried to tune some of the signatures for sig0 in an effort to mitigate attacks. From the assistant description of the tuning he performed, you decided that there is a need to return all signatures for sig0 to their default settings.

After returning all the signatures for sig0 to the default setting, backing up of the current configurations is also



The screenshot shows a simulation window with a task description on the left and a network topology diagram on the right. The task description includes instructions to click on a host to configure an IPS sensor and notes that there are no restrictions on the number of logins. The topology diagram features a central blue box representing an IPS sensor with a circular arrow icon. This sensor is connected to two red and blue routers on either side. A laptop icon labeled 'Host' is connected to the top of the central sensor box, with an arrow pointing to it labeled 'Management Interface'. Two arrows point to the bottom of the central sensor box, labeled 'Sensing interfaces'. The network is connected to external networks represented by vertical lines on both ends. The simulation interface includes a timer showing '00:00:01' and a 'Hide Topology' button at the bottom left.

Answer: Sorry , No Correct Answer!

6. LAB

Answer: Sorry , No Correct Answer!

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Scenario

IPS Sensor

Topology

You are the network administrator for a shoe manufacturer. The company has a DMZ network consisting of a mission-critical web server and a DNS server. You want to configure the inline 4240 sensor protecting these servers to place the highest possible value on the web server and DNS server. This will increase the risk rating of attacks against these two servers on the DMZ. You want to then configure the sensor to deny all connections with a risk rating of 80 or above if the connection attempt triggers any signature. You want to exempt your management station from this policy so that traffic from the management station is not dropped. These configurations will be done on the rules0 instance.

Complete the following tasks:  
 Assign the highest rating to the DMZ Web and DNS server  
 Deny all connections if Risk Rating is 80 or above and exempt the Management Station traffic from this policy

Scenario

IPS Sensor

Topology

Home Configuration Monitoring Back Refresh Help
ele dt  
c: IS CO

**Device Information**

Host Name: ips IPAddress: 172.26.26.53  
 IPS Version: 6.0(1)E1 Device Type: IPS-4241-K9  
 IDM Version: 6.0.1 Total Memory: 1893MB  
 Bypass Mode: Auto\_off Total Data storage: 166.8MB  
 Missed Packets Percentage: 0 Total Sensing Interface: 4

**Interface status**

Interface	Link	Enabled	Speed	Mode
Management0/0	Up	Yes	Auto_100	Management
GigabitEthernet0/3	Down	Yes	N/A	Unpaired
GigabitEthernet0/2	Down	Yes	N/A	Unpaired
GigabitEthernet0/11	Down	Yes	N/A	Unpaired
GigabitEthernet0/0	Up	Yes	Auto_100	Intrave-ian-lair

Select an interface to view received and transmitted packets count

**System Resources Status**

CPU Average CPU Usage (percent)

0%

15:19:43

Memory Usage (MB)

387MB

15:19:43

Memory (MB)  
 Used: 1387 Free: 506 Total: 1893

**Alert Summary**

High (0) Med. (0) Low (0) Info. (0) Threat Rating > 80 (0)

**Alert Profile**

Refresh Page Auto refresh every 10 seconds

Home
Configuration

[i] Monitoring
O Back
Forward
Refresh
Help

SSH

Users

Interface Configuration

Analysis Engine

Hostname: ips

IPAddress: 172.26.26.53

Network Mask: 255.255.255.0

WWW

The image displays the configuration interface for a Cisco IDM sensor and its network topology. The configuration window shows the following settings:

- Default Route: 172.26.26.151
- FTP Timeout: 300
- Web Server Settings:
  - Enable TLS/SSL
  - Web server port: [ ]
- Remote Access:
  - Enable Telnet
  - Telnet is not a secure access service and is disabled by default.

The network topology diagram shows a Management station (10.0.1.12) connected to a Corporate Network Sensor. The Corporate Network Sensor is connected to a DMZ Sensor, which is in turn connected to the Internet. The DMZ Sensor is also connected to a WWW server (172.16.1.3) and a DNS server (172.16.1.4).

7. How can you clear events from the event store?

- A. You do not need to clear the event store; it is a circular log file, so once it reaches the maximum size it will be overwritten by new events.
- B. You must use the CLI clear events command.
- C. If you have Administrator privileges, you can do this by selecting Monitoring > Events > Reset button in Cisco IDM.
- D. You should select File > Clear IDM Cache in Cisco IDM.
- E. You cannot clear events from the event store; they must be moved off the system using the copy command.

Answer: B

8. Refer to the exhibit. Based on the partial output shown, which of these statements is true?

Mod	Card Type	Model
0	ASA 5540 Adaptive Security Appliance	ASA5540
1	ASA 5500 Series Security Services Module-20	ASA-SSM-20

Mod	MAC Address Range	Hw Version	Fw Ver	Sw Ver
0	000b.fcf8.c538 to 000b.fcf8.c53c	1.0	1.0(10)0	7.3(0)149
1	000b.fcf8.0144 to 000b.fcf8.0144	1.0	1.0(10)0	6.0(1)E1

Mod	Status	Data Plane Status	Compatibility
0	Up Sys	Not Applicable	
1	Up	Up	

- A. The module installed in slot 1 needs to be a type 5540 module to be compatible with the ASA 5540 Adaptive Security Appliance module type.
- B. The module installed in slot 1 needs to be upgraded to the same software revision as module 0 or it will not be recognized.
- C. Module 0 system services are not running.
- D. There is a Cisco IPS security services module installed.

Answer: D

9. Which action does the copy /erase ftp://172.26.26.1/sensor\_config01 current-config command perform?

- A. erases the sensor\_config01 file on the FTP server and replaces it with the current configuration file from the Cisco IPS Sensor
- B. copies and saves the running configuration to the FTP server and replaces it with the source configuration file
- C. overwrites the backup configuration and applies the source configuration file to the system default configuration
- D. merges the source configuration file with the current configuration

Answer: C

10. Which of the following is a valid file name for a Cisco IPS 6.0 system image?

- A. IPS-K9-pkg-6.0-sys\_img.sys
- B. IPS-4240-K9-img-6.0-sys.sys
- C. IPS-K9-cd-11-a-6.0-1-E1.img

D. IPS-4240-K9-sys-1.1-a-6.0-1-E1.img

Answer: D

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