



# 642-627<sup>Q&As</sup>

Implementing Cisco Intrusion Prevention System v7.0

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### QUESTION 1

What are four properties of an IPS signature? (Choose four.)

- A. reputation rating
- B. fidelity rating
- C. summarization strategy
- D. signature engine
- E. global correlation mode
- F. signature ID and signature status

Correct Answer: BCDF

[http://www.cisco.com/en/US/docs/security/security\\_management/cisco\\_security\\_manager/security\\_manager/3.1/user/guide/ipsvchap.html#wp1912551](http://www.cisco.com/en/US/docs/security/security_management/cisco_security_manager/security_manager/3.1/user/guide/ipsvchap.html#wp1912551) Reputation and correaltion are NOT

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### QUESTION 2

Which four features are supported on the Cisco ASA AIP-SSM but are not supported on the Cisco ASA AIP-SSC? (Choose four.)

- A. multiple virtual sensors
- B. anomaly detection
- C. promiscuous mode
- D. custom signatures
- E. fail open
- F. global correlation

Correct Answer: ABDF

[http://www.cisco.com/en/US/prod/collateral/vpndevc/ps6032/ps6094/ps6120/ps6825/product\\_data\\_sheet0900aecd80404916\\_ps6120\\_Products\\_Data\\_Sheet.html](http://www.cisco.com/en/US/prod/collateral/vpndevc/ps6032/ps6094/ps6120/ps6825/product_data_sheet0900aecd80404916_ps6120_Products_Data_Sheet.html)

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### QUESTION 3

Which IPS appliance inline deployment mode should be used to support the following requirements?

- The IPS appliance will be installed in inline mode, on a dot1q trunk.
- VLANs 10, 20, 30, 40, and 50 exist on the dot1q trunk.



- Requirement is to inspect all VLANs except VLAN 50 with the IPS appliance.

- A. inline VLAN pair mode
- B. inline interface mode
- C. inline VLAN group mode
- D. inline trunk mode
- E. inline subinterface mode

Correct Answer: C

[http://www.cisco.com/en/US/docs/interfaces\\_modules/services\\_modules/ace/v3.00\\_A1/configuration/rtg\\_brdg/guide/vlansif.html#wp1004190](http://www.cisco.com/en/US/docs/interfaces_modules/services_modules/ace/v3.00_A1/configuration/rtg_brdg/guide/vlansif.html#wp1004190)

New Questions

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#### QUESTION 4

Which four statements about Cisco IPS appliance anomaly detection histograms are true? (Choose four.)

- A. Histograms are learned or configured manually.
- B. Destination IP address row is the same for all histograms.
- C. Source IP address row can be learned or configured.
- D. Anomaly detection only builds a single histogram for all services in a zone.
- E. You can enable a separate histogram and scanner threshold for specific services, or use the default one for all other services
- F. Anomaly detection histograms only track source (attacker) IP addresses.

Correct Answer: ABCE

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#### QUESTION 5

A Cisco Catalyst switch is experiencing packet drops on a SPAN destination port that is connected to an Cisco IPS appliance. Which three configurations should be considered to resolve the packet drops issue? (Choose three.)

- A. Configure an additional SPAN session to a different Cisco IPS appliance interface connected to the same virtual sensor
- B. Configure an EtherChannel bundle as the SPAN destination port.
- C. Configure RSPAN.
- D. Configure VACL capture.
- E. Configure the Cisco IPS appliance to inline mode.



Correct Answer: ADE

From Neil: A, D, E

A. Adding an additional span session to a different Cisco IPS will remove some of the traffic and load from the existing span - Confirmed Correct

B. Cisco documentation clearly defines that Ether-channels cannot be configured as SPAN destination ports.

This rules out option B. - Confirmed Incorrect

[http://www.cisco.com/en/US/docs/switches/lan/catalyst3550/software/release/12.1\\_19\\_ea1/configuration/guide/swspan.html#wp1044603](http://www.cisco.com/en/US/docs/switches/lan/catalyst3550/software/release/12.1_19_ea1/configuration/guide/swspan.html#wp1044603)

C. RSPAN is remote span which is used to send traffic to a device not connected to the local switch.

While this would have a similar effect to answer A since you are in fact creating another span, the implication here is that there is only one IPS device. - Unconfirmed Incorrect D. Configuring VACL capture will allow a reduced amount of traffic

and load on the span by selecting and sending only select traffic over the SPAN to the IPS. - Confirmed Correct E. Configuring the Cisco IPS appliance in inline mode would eliminate the need for a span altogether. -Unconfirmed Correct.

#### Cisco ASA IPS Modules--Inline Operation

You can configure the ASA to only forward specific traffic to the AIP SSM or AIP SSC for inspection. This is achieved by using the Cisco Modular Policy Framework (MPF), where you can configure a Cisco ASA to selectively send traffic to the

AIP module operating in inline or promiscuous mode. You can also specify that all traffic be inspected by the AIP module, and if the total traffic exceeds the IPS module inspection capacity, you can modify the MPF configuration in such a way

that only critical traffic is inspected.

This approach reduces the traffic the IPS module will have to analyze, and it is guaranteed to perform optimally.

#### Cisco ASA IPS Modules--Promiscuous Operation

A selective capture can also be used to ensure that only part of the traffic flowing through a Cisco ASA is sent to the AIP module in promiscuous mode. This way, the AIP module is not overwhelmed and critical data is analyzed.

The same concept applies when using the Cisco IPS Advanced Integration Module (AIM):

When inline or in promiscuous mode, select traffic can be directed to it.

#### Cisco Catalyst Switches--VACL Capture

When an IPS is connected to a Cisco Catalyst switch, you can perform selective capture by setting the appropriate VLAN access control lists (VACL). The VACLs capture only a subset of traffic off the switch backplane and copy it to the

sensor that is connected on a capture port, instead of a SPAN port. The sensor in this case only receives a copy of the packets that are suitable for analysis and completely ignores the rest of the traffic.

Performance issues and bottlenecks should be avoided by sizing the IPS sensors adequately and ensuring that the



network topology design is a good fit.

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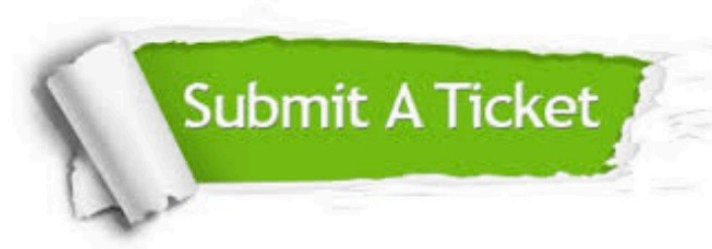
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