

# Cisco

## 300-210 Exam

### Cisco Threat Control Solutions Exam

#### Questions & Answers Demo

# Version: 17.0

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## Question: 1

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Which three operating systems are supported with Cisco AMP for Endpoints? (Choose three.)

- A. Windows
- B. AWS
- C. Android
- D. Cisco IOS
- E. OS X
- F. ChromeOS

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**Answer: A, C, E**

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Explanation:

<http://www.cisco.com/c/en/us/products/security/fireamp-endpoints/index.html>  
["http://www.cisco.com/c/en/us/products/security/fireamp-endpoints/index.html"ex.html](http://www.cisco.com/c/en/us/products/security/fireamp-endpoints/index.html)

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## Question: 2

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Which Cisco Web Security Appliance feature enables the appliance to block suspicious traffic on all of its ports and IP addresses?

- A. explicit forward mode
- B. Layer 4 Traffic Monitor
- C. transparent mode
- D. Secure Web Proxy

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**Answer: B**

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## Question: 3

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Which feature requires the network discovery policy for it to work on the Cisco Next Generate fusion Prevent-on System,

- A. impact flags
- B. URL filtering
- C. security intelligence
- D. health monitoring

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**Answer: A**

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**Question: 4**

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Which CLI command is used to register a Cisco FirePOWER sensor to Firepower Management Center?

- A. configure system add <host><key>
- B. configure manager <key> add host
- C. configure manager delete
- D. configure manger add <host><key>

---

**Answer: D**

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Explanation:

<http://www.cisco.com/c/en/us/td/HYPERLINK>

["http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/fpmc-config-guide-v60\\_appendix\\_01011110.html#ID-2201-00000005"](http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/fpmc-config-guide-v60_appendix_01011110.html#ID-2201-00000005)docs/security/firepower/60/configuration/guideHYPERLINK

["http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/fpmc-config-guide-v60\\_appendix\\_01011110.html#ID-2201-00000005"](http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/fpmc-config-guide-v60_appendix_01011110.html#ID-2201-00000005)/fpmc-config-guide-v60/fpmc-coHYPERLINK

["http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/fpmc-config-guide-v60\\_appendix\\_01011110.html#ID-2201-00000005"](http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/fpmc-config-guide-v60_appendix_01011110.html#ID-2201-00000005)nfig-guide-v60\_appendix\_01011110.html#ID-2201-00000005

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**Question: 5**

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In WSA , which two pieces of information are required to implement transparent user identification using Context Directory Agent? (Choose two.)

- A. the server name where Context Directory Agent is installed
- B. the server name of the global catalog domain controller
- C. the backup Context Directory Agent
- D. the shared secret
- E. the syslog server IP address

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**Answer: AE**

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**Question: 6**

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Which three protocols are required when considering firewall rules email services using a Cisco Email Security Appliance?

- A. HTTP
- B. SMTP
- C. TFTP
- D. FTP
- E. DNS
- F. SNMP

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**Answer: ABE**

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**Question: 7**

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What are two arguments that can be used with the show content-scan command in Cisco IOS software? (Choose two. )

- A. data
- B. session
- C. buffer
- D. statistics
- E. verbose

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**Answer: BD**

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**Question: 8**

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Which CLI command is used to generate firewall debug messages on a Cisco FirePOWER sensor?

- A. system support ssl-debug
- B. system support firewall-engine-debug
- C. system support capture-traffic
- D. system support platform

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**Answer: B**

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**Question: 9**

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What is difference between a Cisco Content Security Management virtual appliance and a physical appliance?

- A. Migration between virtual appliance of varying sizes is possible, but physical appliances must be of equal size.
- B. The virtual appliance requires an additional license to run on a host.
- C. The virtual appliance requires an additional license to activate its adapters.

D. The physical appliance is configured with a DHCP-enabled management port to receive an IP Address automatically, but you must assign the virtual appliance an IP address manually in your management subnet.

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**Answer: B**

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**Question: 10**

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Which Cisco technology secures the network through malware filtering, category-based control, and reputation-based control?

- A. Cisco ASA 5500 Series appliances
- B. Cisco IPS
- C. Cisco remote-access VPNs
- D. Cisco WSA

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**Answer: D**

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**Question: 11**

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When using Cisco AMP for Networks, which feature copies a file to the Cisco AMP cloud for analysis?

- A. Spero analysis
- B. dynamic analysis
- C. sandbox analysis
- D. malware analysis

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**Answer: B**

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**Question: 12**

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Which type of server is required to communicate with a third-party DLP solution?

- A. an ICAP-capable proxy server
- B. a PKI certificate server
- C. an HTTP server
- D. an HTTPS server

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**Answer: A**

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**Question: 13**

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Which policy is used to capture host information on the Cisco Next Generation Intrusion Prevention System?

- A. network discovery
- B. correlation
- C. intrusion
- D. access control

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**Answer: C**

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**Question: 14**

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Which Cisco Firepower rule action displays a HTTP warning page and resets the connection of HTTP traffic specified in the access control rule ?

- A. Interactive Block with Reset
- B. Block
- C. Allow with Warning
- D. Interactive Block

---

**Answer: A**

---

Explanation:

<http://www.cisco.com/c/en/us/td/docs/security/firesight/54HYPERLINK>  
"<http://www.cisco.com/c/en/us/td/docs/security/firesight/541/firepower-module-user-guide/asa-firepower-module-user-guide-v541/AC-Rules-Tuning-Overview.html>"1/firepower-module-user-guHYPERLINK "<http://www.cisco.com/c/en/us/td/docs/security/firesight/541/firepower-module-user-guide/asa-firepower-module-user-guide-v541/AC-Rules-Tuning-Overview.html>"ide/asa-firepoHYPERLINK "<http://www.cisco.com/c/en/us/td/docs/security/firesight/541/firepower-module-user-guide/asa-firepower-module-user-guide-v541/AC-Rules-Tuning-Overview.html>"wer-module-user-guide-v541/AC-Rules-Tuning-Overview.html

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**Question: 15**

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With Cisco AMP for Endpoints on Windows, which three engines are available in the connector? (Choose three. )

- A. Ethos
- B. Tetra
- C. Annos
- D. Spero
- E. Talos
- F. ClamAV

---

**Answer: ABD**

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Explanation:

<http://www.cisco.com/c/en/us/products/collateral/security/fireamp-private-cloud-virtual-appliance/datasheet-c78-733180.html> "et-c78-733180.html"0.html

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### Question: 16

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Refer to the exhibit.

```
S* 0.0.0.0.0.0.0.0 [1/0] via 1.1.1.1, outside
C 1.1.1.0 255.255.255.0 is directly connect, outside
S 172.16.0.0 255.255.0.0 [1/0] via 192.168.100.1, inside
C 192.168.100.0 255.255.255.0 is directly connected, inside
C 172.16.10.0 255.255.255.0 is directly connected, dmz
S 10.10.10.0 255.255.255.0 [1/0] via 172.16.10.1, dmz
```

---

```
access-list redirect-acl permit ip 192.168.100.0 255.255.255.0 any
access-list redirect-acl permit ip 172.16.0.0 255.255.0.0 any

class-map redirect-class
  match access-list redirect-acl

policy-map inside-policy
  class redirect-class
    sfr fail-open

service-policy inside-policy inside
```

Which option is a result of this configuration?

- A. All ingress traffic on the inside interface that matches the access list is redirected.
- B. All egress traffic on the outside interface that matches the access list if redirected.
- C. All TCP traffic that arrives on the inside interface is redirected.
- D. All ingress traffic that arrives on the inside interface is redirected.
- E. All ingress and egress traffic is redirected to the Cisco FirePOWER module.

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**Answer: E**

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### Question: 17

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What are two requirements for configuring a hybrid interface in FirePOWER? (Choose two)

- A. virtual network

- B. virtual router
- C. virtual appliance
- D. virtual switch
- E. virtual context

---

**Answer: BD**

---

Explanation:

<http://www.cisco.com/c/en/us/td/docs/security/firepower/HYPERLINK>

["http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/Hybrid\\_Interfaces.html"](http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/Hybrid_Interfaces.html)60/configuration/guide/fpmcHYPERLINK

["http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/Hybrid\\_Interfaces.html"](http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/Hybrid_Interfaces.html)-conHYPERLINK

["http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/Hybrid\\_Interfaces.html"](http://www.cisco.com/c/en/us/td/docs/security/firepower/60/configuration/guide/fpmc-config-guide-v60/Hybrid_Interfaces.html)fig-guide-v60/Hybrid\_Interfaces.html

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**Question: 18**

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Which type of policy is used to define the scope for applications that are running on hosts?

- A. access control policy.
- B. application awareness policy.
- C. application detector policy.
- D. network discovery policy.

---

**Answer: D**

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**Question: 19**

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When you configure the Cisco ESA to perform blacklisting, what are two items you can disable to enhance performance? (Choose two.)

- A. rootkit detection
- B. spam scanning
- C. APT detection
- D. antivirus scanning
- E. URL filtering

---

**Answer: BD**

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**Question: 20**

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Which protocols can be specified in a Snort rule header for analysis?



- A. TCP, UDP, ICMP, and IP
- B. TCP, UDP, and IP
- C. TCP, UDP, and ICMP
- D. TCP, UDP, ICMP, IP, and ESP
- E. TCP and UDP

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**Answer: A**

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**Question: 21**

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Which Cisco ESA predefined sender group uses parameter-matching to reject senders?

- A. WHITELIST
- B. BLACKLIST
- C. UNKNOWNLIST
- D. SUSPECTLIST

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**Answer: B**

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**Question: 22**

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With Cisco FirePOWER Threat Defense software, which interface mode do you configure for an IPS deployment, where traffic passes through the appliance but does not require VLAN rewriting?

- A. inline set
- B. passive
- C. inline tap
- D. routed
- E. transparent

---

**Answer: D**

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**Question: 23**

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DRAG DROP

Drag and drop the steps on the left into the correct order of initial Cisco IOS IPS configuration on the right.

Enable Cisco IOS IPS	step 1
Enable the Cisco IOS IPS crypto key.	step 2
Load the Cisco IOS IPS signature package to the router.	step 3
Download IPS files from Cisco.com.	step 4

---

**Answer:**

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Download IPS files from Cisco.com.
Load the Cisco IOS IPS signature package to the router.
Enable the Cisco IOS IPS crypto key.
Enable Cisco IOS IPS

---

**Question: 24**

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DRAG DROP

Drag and drop the Cisco Security IntelliShield Alert Manager Service components on the left onto the corresponding description on the right.

web portal	tracking vulnerability remediation
back-end intelligence engine	customer interface
threat outbreak alert	past threat and vulnerability information
built-in workflow system	based on the CVSS rating system
historical database	threat data collection
vulnerability alerts	threat data regarding threats

---

**Answer:**

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built-in workflow system
web portal
historical database
vulnerability alerts
back-end intelligence engine
threat outbreak alert

---

**Question: 25**

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DRAG DROP

Drag and drop the steps on the left into the correct order on the right to configure a Cisco ASA NGFW with multiple security contexts.

Define each virtual firewall on the base appliance.	step 1
Define interfaces and subinterfaces on the physical appliance.	step 2
Define additional settings for each security context.	step 3
Deploy to generate the virtual firewalls as children of the base appliance.	step 4
Define an admin context for administering the base security appliance.	step 5

---

**Answer:**

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Define interfaces and subinterfaces on the physical appliance.

Define an admin context for administering the base security appliance.

Define each virtual firewall on the base appliance.

Deploy to generate the virtual firewalls as children of the base appliance.

Define additional settings for each security context.

Reference:

[http://www.cisco.com/c/en/us/td/docs/security/security\\_management/cisco\\_security\\_manager/security\\_manager/4-4/user/guide/CSMUserGuide\\_wrapper/pxcontexts.pdf](http://www.cisco.com/c/en/us/td/docs/security/security_management/cisco_security_manager/security_manager/4-4/user/guide/CSMUserGuide_wrapper/pxcontexts.pdf) (page 2 to 4)

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**Question: 26**

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When using Cisco FirePOWER Services for ASA, how is traffic directed from based Cisco ASA to the CiscoPOWER Services?

- A. SPAN port on a Cisco Catalyst switch.
- B. WCCP on the ASA.
- C. inline interface pair on the Cisco FirePOWER module.
- D. service policy on the ASA.

---

**Answer: D**

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**Question: 27**

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In a Cisco FirePOWER intrusion policy, which two event actions can be configured on a rule? (Choose two.)

- A. drop packet
- B. drop and generate
- C. drop connection
- D. capture trigger packet
- E. generate events

---

**Answer: B, E**

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**Question: 28**

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Which object can be used on a Cisco FirePOWER appliance, but not in an access control policy rule on Cisco FirePOWER services running on a Cisco ASA?

- A. URL
- B. security intelligence
- C. VLAN
- D. geolocation

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**Answer: C**

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**Question: 29**

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Which two appliances support logical routed interfaces? (Choose two.)

- A. FirePOWER services for ASA-5500-X
- B. FP-4100-series
- C. FP-8000-series

- D. FP-7000-series
- E. FP-9300-series

---

**Answer: D**

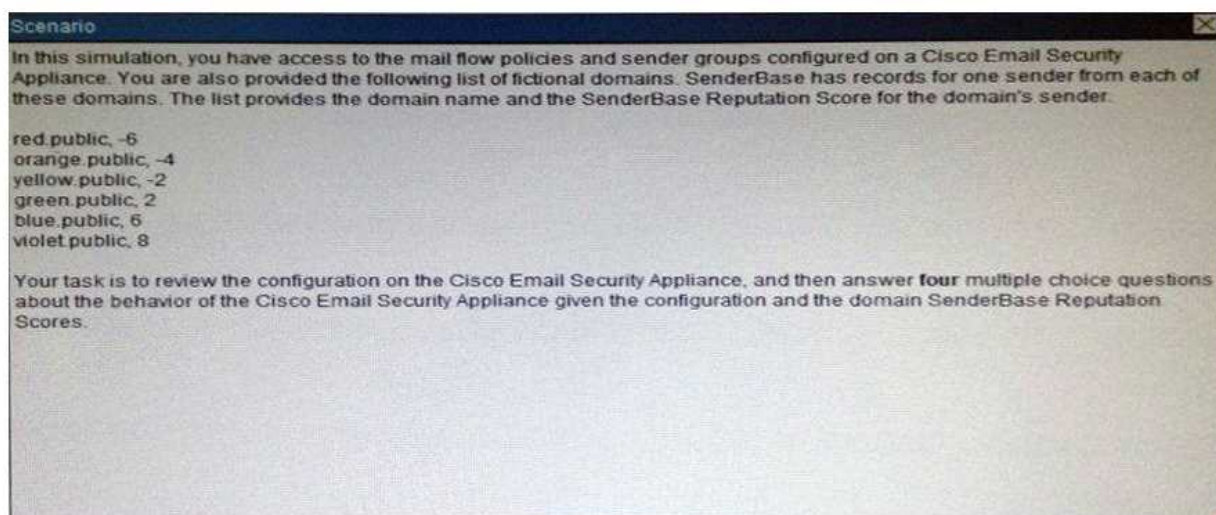
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### Question: 30

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#### Scenario

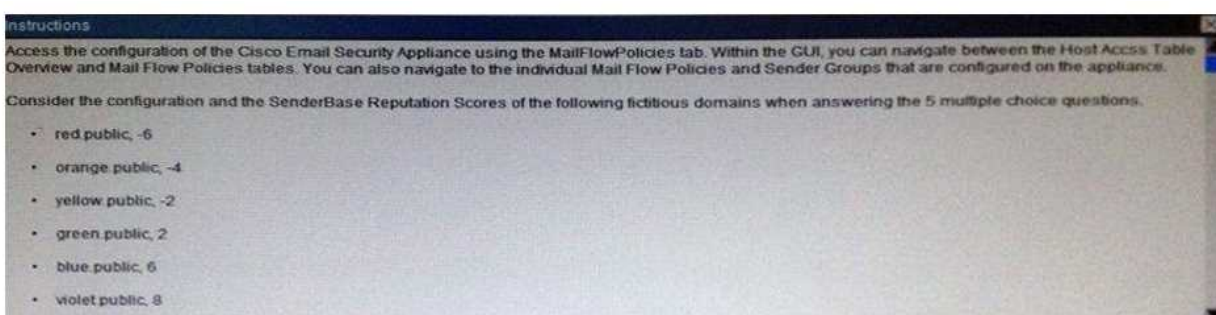


**Scenario**

In this simulation, you have access to the mail flow policies and sender groups configured on a Cisco Email Security Appliance. You are also provided the following list of fictional domains. SenderBase has records for one sender from each of these domains. The list provides the domain name and the SenderBase Reputation Score for the domain's sender.

red.public, -6  
orange.public, -4  
yellow.public, -2  
green.public, 2  
blue.public, 6  
violet.public, 8

Your task is to review the configuration on the Cisco Email Security Appliance, and then answer **four** multiple choice questions about the behavior of the Cisco Email Security Appliance given the configuration and the domain SenderBase Reputation Scores.



**Instructions**

Access the configuration of the Cisco Email Security Appliance using the MailFlowPolicies tab. Within the GUI, you can navigate between the Host Access Table Overview and Mail Flow Policies tables. You can also navigate to the individual Mail Flow Policies and Sender Groups that are configured on the appliance.

Consider the configuration and the SenderBase Reputation Scores of the following fictitious domains when answering the 5 multiple choice questions.

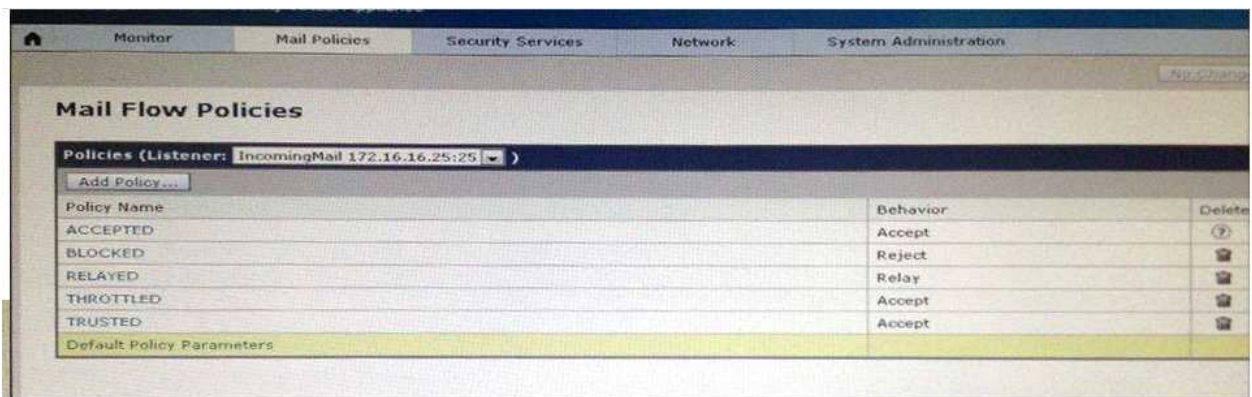
- red.public, -6
- orange.public, -4
- yellow.public, -2
- green.public, 2
- blue.public, 6
- violet.public, 8

**THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**

Click on the MailFlowPolicies tab to access the device configuration.

To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.

There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.



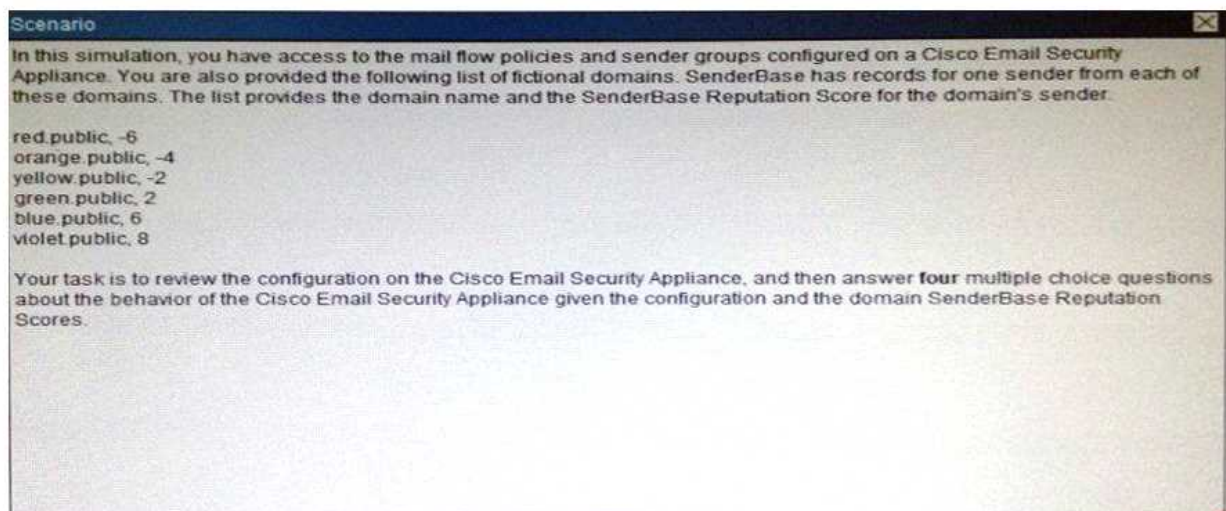
For which domains will the Cisco Email Security Appliance allow up to 5000 recipients per message?

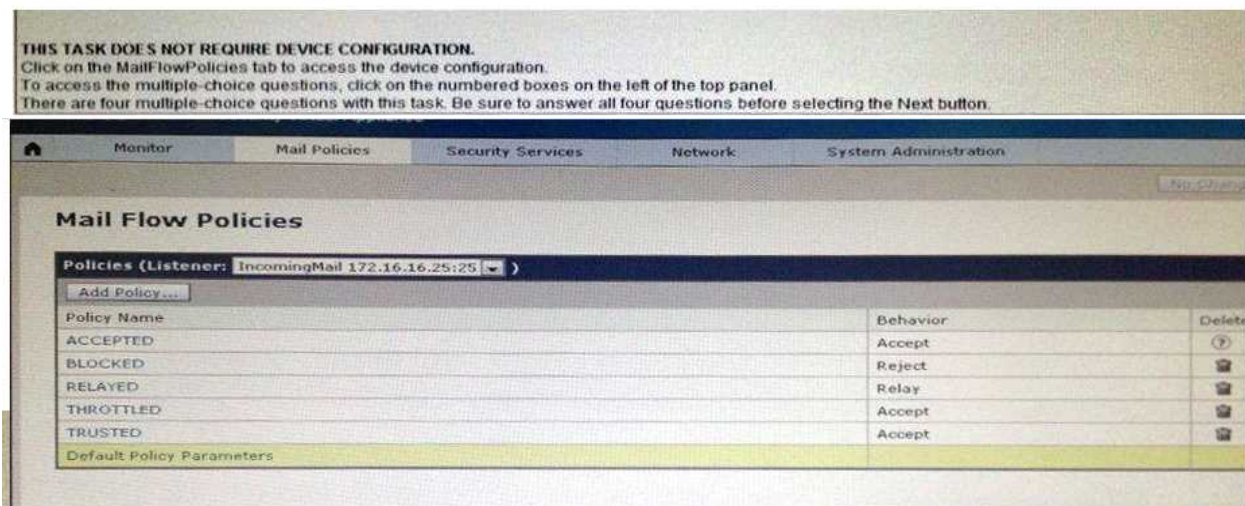
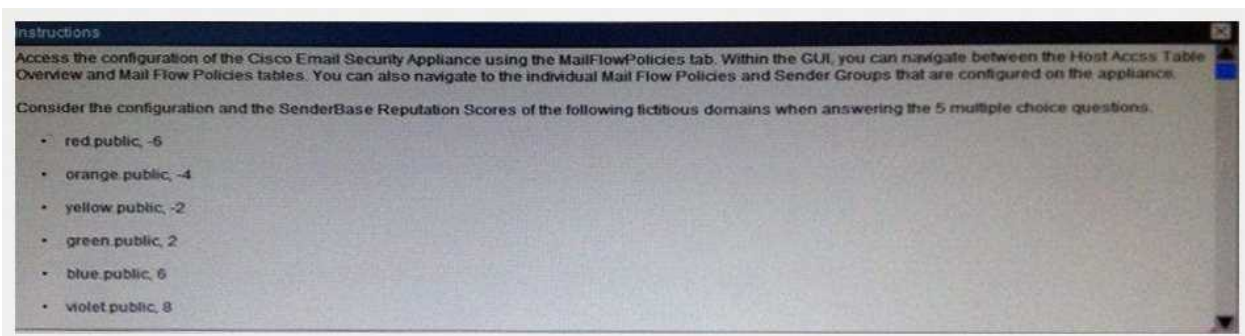
- A. violet.public
- B. violet.public and blue.public
- C. violet.public, blue.public and green.public
- D. red.public
- E. orange.public
- F. red.public and orange.public

**Answer: E**

### Question: 31

Scenario





What is the maximum message size that the Cisco Email Security Appliance will accept from the violet.public domain?

- A. 1 KB
- B. 100 KB
- C. 1 MB
- D. 10 MB
- E. 100 MB
- F. Unlimited

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**Answer: D**

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### Question: 32

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The Web Cache Communication Protocol (WCCP) is a content-routing protocol that can facilitate the redirection of traffic flows in real time. Your organization has deployed WCCP to redirect web traffic that traverses their Cisco Adaptive Security Appliances (ASAs) to their Cisco Web Security Appliances (WSAs).

The simulator will provide access to the graphical user interfaces of one Cisco ASA and one Cisco WSA that are participating in a WCCP service. Not all aspects of the GUIs are implemented in the simulator. The options that have been implemented are sufficient to determine the best answer to each of the questions that are presented.

Your task is to examine the details available in the simulated graphical user interfaces and select the



best answer.



Adaptive Security Appliance

Web Security Appliance

The screenshot shows the Cisco ASDM 7.1 for ASA - 10.10.2.1 interface configuration page. The left pane shows the 'Device Setup' tree with 'Interfaces' selected. The main pane displays a table of interface configurations.

Interface	Name	State	Security Level	IP Address	Subnet Mask Prefix Length	VLAN	Gr
GigabitEthernet0/0	outside	Enabled	0	192.0.2.1	255.255.255.0	native	
GigabitEthernet0/1		Enabled				native	
GigabitEthernet0/1.4	inside	Enabled		100 10.10.1.1	255.255.255.0	vlan4	
GigabitEthernet0/1.250	Guest	Enabled		30 10.10.250.1	255.255.255.0	vlan250	
GigabitEthernet0/2	DMZ	Enabled		50 172.16.1.1	255.255.255.0	native	
GigabitEthernet0/3	Site-To...	Enabled		60 172.16.2.1	255.255.255.0	native	
GigabitEthernet0/4		Disabled				native	
GigabitEthernet0/5		Disabled				native	
Management0/0	manage...	Enabled		90 10.10.2.1	255.255.255.0	native	

Global WCCP information:

```

Router information:
  Router Identifier: 192.0.2.1
  Protocol Version: 2.0

Service Identifier: 10
Number of Cache Engines: 1
Number of routers: 1
Total Packets Redirected: 5137
Redirect access-list: WCCP-Redirection
Total Connections Denied Redirect: 0
Total Packets Unassigned: 0
Group access-list: -none-
Total Messages Denied to Group: 0
Total Authentication failures: 0

```

WSA-Network-Interfaces

Logged in as: admin on wsa.secure-x.local

Cisco S100V Web Security Virtual Appliance

Reporting | Web Security Manager | Security Services | Network | System Administration

### Interfaces

Interfaces:	Ethernet Port	IP Address	Netmask	Hostname
	M1	10.10.2.50	255.255.255.0	wsa-mgmt.secure-x.local
	P1	10.10.1.50	255.255.255.0	wsa.secure-x.local
Separate Routing for Management Services:	Separate routing (M1 port restricted to appliance management services only)			
Appliance Management Services:	HTTP on port 80, HTTPS on port 443, Redirect HTTP request to HTTPS			
L4 Traffic Monitor Wiring:	Duplex TAP: T1 (In/Out)			

Edit Settings...

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How many Cisco ASAs and how many Cisco WSAs are participating in the WCCP service?

- One Cisco ASA or two Cisco ASAs configured as an Active/Standby failover pair, and one Cisco WSA.
- One Cisco ASA or two Cisco ASAs configured as an Active/Active failover pair, and one Cisco WSA.
- One Cisco ASA or two Cisco ASAs configured as an Active/Standby failover pair, and two Cisco WSAs.
- One Cisco ASA or two Cisco ASAs configured as an Active/Active failover pair, and two Cisco WSAs.

- E. Two Cisco ASAs and one Cisco WSA.
- F. Two Cisco ASAs and two Cisco WSAs.

---

**Answer: A**

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Explanation:

We can see from the output that the number of routers (ASA's) is 1, so there is a single ASA or an active/ standby pair being used, and 1 Cache Engine. If the ASA's were in a active/active role it would show up as 2 routers.

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**Question: 33**

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The Web Cache Communication Protocol (WCCP) is a content-routing protocol that can facilitate the redirection of traffic flows in real time. Your organization has deployed WCCP to redirect web traffic that traverses their Cisco Adaptive Security Appliances (ASAs) to their Cisco Web Security Appliances (WSAs).

The simulator will provide access to the graphical user interfaces of one Cisco ASA and one Cisco WSA that are participating in a WCCP service. Not all aspects of the GUIs are implemented in the simulator. The options that have been implemented are sufficient to determine the best answer to each of the questions that are presented.

Your task is to examine the details available in the simulated graphical user interfaces and select the best answer.



**Adaptive  
Security Appliance**



**Web  
Security Appliance**

ASA-C-DeviceSetup-Interfaces

Cisco ASDM 7.1 for ASA - 10.10.2.1

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Device Setup

Configuration > Device Setup > Interfaces

Interface	Name	State	Security Level	IP Address	Subnet Mask Prefix Length	VLAN	Gr
GigabitEthernet0/0	outside	Enabled	0	192.0.2.1	255.255.255.0	native	
GigabitEthernet0/1		Enabled				native	
GigabitEthernet0/1.4	inside	Enabled	100	10.10.1.1	255.255.255.0	vlan4	
GigabitEthernet0/1.250	Guest	Enabled	30	10.10.250.1	255.255.255.0	vlan250	
GigabitEthernet0/2	DMZ	Enabled	50	172.16.1.1	255.255.255.0	native	
GigabitEthernet0/3	Site-To...	Enabled	60	172.16.2.1	255.255.255.0	native	
GigabitEthernet0/4		Disabled				native	
GigabitEthernet0/5		Disabled				native	
Management0/0	manage...	Enabled	90	10.10.2.1	255.255.255.0	native	

Cisco ASDM 7.1 for ASA - 10.10.2.1

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Properties

Monitoring > Properties > WCCP > Service Groups

Service Group: 10

Display Mode: -- None --

Hash Settings:

Destination Ip Address:  Destination Port:

Source Ip Address:  Source Port:

Global WCCP information:

Router information:

Router Identifier: 192.0.2.1

Protocol Version: 2.0

Service Identifier: 10

Number of Cache Engines: 1

Number of routers: 1

Total Packets Redirected: 5137

Redirect access-list: WCCP-Redirection

Total Connections Denied Redirect: 0

Total Packets Unassigned: 0

Group access-list: -none-

Total Messages Denied to Group: 0

Total Authentication failures: 0

The screenshot shows the Cisco S100V Web Security Virtual Appliance configuration page for Interfaces. The page is titled "Interfaces" and displays a table of interface configurations. The table has columns for Ethernet Port, IP Address, Netmask, and Hostname. The configuration for M1 is 10.10.2.50 with netmask 255.255.255.0 and hostname wsa-mgmt.secure-x.local. The configuration for P1 is 10.10.1.50 with netmask 255.255.255.0 and hostname wsa.secure-x.local. Below the table, there are sections for "Separate Routing for Management Services" (Set to "Separate routing (M1 port restricted to appliance management services only)"), "Appliance Management Services" (Set to "HTTP on port 80, HTTPS on port 443, Redirect HTTP request to HTTPS"), and "L4 Traffic Monitor Wiring" (Set to "Duplex TAP: T1 (In/Out)"). An "Edit Settings..." button is located at the bottom right of the table.

Interfaces:	Ethernet Port	IP Address	Netmask	Hostname
	M1	10.10.2.50	255.255.255.0	wsa-mgmt.secure-x.local
	P1	10.10.1.50	255.255.255.0	wsa.secure-x.local

Separate Routing for Management Services: Separate routing (M1 port restricted to appliance management services only)

Appliance Management Services: HTTP on port 80, HTTPS on port 443, Redirect HTTP request to HTTPS

L4 Traffic Monitor Wiring: Duplex TAP: T1 (In/Out)

What traffic is not redirected by WCCP?

- A. Traffic destined to public address space
- B. Traffic sent from public address space
- C. Traffic destined to private address space
- D. Traffic sent from private address space

**Answer: B**

Explanation:

From the screen shot below we see the WCCP-Redirection ACL is applied, so all traffic from the Private IP space to any destination will be redirected.

The screenshot shows the Cisco configuration interface for WCCP-Redirection. The left sidebar shows the configuration tree with "WCCP-Redirection" selected. The main area displays a list of rules for the "WCCP-Redirection" ACL. The rules are numbered 1 through 5, each with a checkmark in the "Enabled" column and a "deny" action. The destination addresses are 10.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16, and any. The protocols are ip, ip, ip, http, and https.

Rule	Enabled	Action	Destination	Protocol
1	<input checked="" type="checkbox"/>	deny	10.0.0.0/8	ip
2	<input checked="" type="checkbox"/>	deny	172.16.0.0/12	ip
3	<input checked="" type="checkbox"/>	deny	192.168.0.0/16	ip
4	<input checked="" type="checkbox"/>	deny	any	http
5	<input checked="" type="checkbox"/>	deny	any	https

### Question: 34

The Web Cache Communication Protocol (WCCP) is a content-routing protocol that can facilitate the redirection of traffic flows in real time. Your organization has deployed WCCP to redirect web traffic that traverses their Cisco Adaptive Security Appliances (ASAs) to their Cisco Web Security Appliances

(WSAs).

The simulator will provide access to the graphical user interfaces of one Cisco ASA and one Cisco WSA that are participating in a WCCP service. Not all aspects of the GUIs are implemented in the simulator. The options that have been implemented are sufficient to determine the best answer to each of the questions that are presented.

Your task is to examine the details available in the simulated graphical user interfaces and select the best answer.



Adaptive  
Security Appliance



Web  
Security Appliance

ASA-C-DeviceSetup-Interfaces

Cisco ASDM 7.1 for ASA - 10.10.2.1

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Device Setup

- Startup Wizard
- Interfaces
- Routing
  - Static Routes
  - Route Maps
  - Prefix Rules
- OSPF
- OSPFV3
- RIP
- EIGRP
- Multicast
- Proxy ARP/Neighbor Discover
- Device Name/Password
- System Time
- EtherChannel

Configuration > Device Setup > Interfaces

Interface	Name	State	Security Level	IP Address	Subnet Mask Prefix Length	VLAN	Gr
GigabitEthernet0/0	outside	Enabled	0	192.0.2.1	255.255.255.0	native	
GigabitEthernet0/1		Enabled				native	
GigabitEthernet0/1.4	inside	Enabled	100	10.10.1.1	255.255.255.0	vlan4	
GigabitEthernet0/1.250	Guest	Enabled	30	10.10.250.1	255.255.255.0	vlan250	
GigabitEthernet0/2	DMZ	Enabled	50	172.16.1.1	255.255.255.0	native	
GigabitEthernet0/3	Site-To...	Enabled	60	172.16.2.1	255.255.255.0	native	
GigabitEthernet0/4		Disabled				native	
GigabitEthernet0/5		Disabled				native	
Management0/0	manage...	Enabled	90	10.10.2.1	255.255.255.0	native	

The screenshot shows two parts of a Cisco configuration environment. The top part is the Cisco ASDM 7.1 for ASA - 10.10.2.1 interface, displaying the configuration for WCCP Service Groups. The bottom part is the Cisco S100V Web Security Virtual Appliance configuration page, showing the Interfaces section.

**WCCP Service Groups Configuration (ASDM):**

- Service Group: 10
- Display Mode: -- None --
- Hash Settings:
  - Destination Ip Address: [ ] Destination Port: [ ]
  - Source Ip Address: [ ] Source Port: [ ]
- Global WCCP information:
  - Router information:
    - Router Identifier: 192.0.2.1
    - Protocol Version: 2.0
  - Service Identifier: 10
    - Number of Cache Engines: 1
    - Number of routers: 1
    - Total Packets Redirected: 5137
    - Redirect access-list: WCCP-Redirection
    - Total Connections Denied Redirect: 0
    - Total Packets Unassigned: 0
    - Group access-list: -none-
    - Total Messages Denied to Group: 0
    - Total Authentication failures: 0

**Cisco S100V Web Security Virtual Appliance Configuration:**

Reporting | Web Security Manager | Security Services | Network | System Administration

**Interfaces**

Interfaces:	Ethernet Port	IP Address	Netmask	Hostname
M1		10.10.2.50	255.255.255.0	wsa-mgmt.secure-x.local
P1		10.10.1.50	255.255.255.0	wsa.secure-x.local
Separate Routing for Management Services:	Separate routing (M1 port restricted to appliance management services only)			
Appliance Management Services:	HTTP on port 80, HTTPS on port 443, Redirect HTTP request to HTTPS			
L4 Traffic Monitor Wiring:	Duplex TAP: T1 (In/Out)			

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Between the Cisco ASA configuration and the Cisco WSA configuration, what is true with respect to redirected ports?

- Both are configured for port 80 only.
- Both are configured for port 443 only.
- Both are configured for both port 80 and 443.
- Both are configured for ports 80, 443 and 3128.
- There is a configuration mismatch on redirected ports.

---

**Answer: C**

---

Explanation:

This can be seen from the WSA Network tab shown below:

WSA-Network-WccpService	
	<input checked="" type="radio"/> Dynamic service ID: <input type="text" value="10"/> 0-255 Port numbers: <input type="text" value="80,443"/> <i>(up to 8 port numbers, separated by commas)</i> <input checked="" type="radio"/> Redirect based on destination port <input type="radio"/> Redirect based on source port (return path) <i>For IP spoofing, define two services, one based on destination port and another based on source port (return path).</i> <input checked="" type="radio"/> Load balance based on server address <input type="radio"/> Load balance based on client address <i>Applies only if more than one Web Security Appliance is in use.</i>
Router IP Addresses:	<input type="text" value="10.10.1.1"/> <i>Separate multiple entries with line breaks or commas.</i>
Router Security:	<input checked="" type="checkbox"/> Enable Security for Service Password: <input type="password" value="*****"/> <i>The password must be between 1 and 7 characters long.</i> Confirm Password: <input type="password" value="*****"/>
> Advanced:	Optional settings for customizing the behavior of the WCCP v2 Router.

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### Question: 35

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The Web Cache Communication Protocol (WCCP) is a content-routing protocol that can facilitate the redirection of traffic flows in real time. Your organization has deployed WCCP to redirect web traffic that traverses their Cisco Adaptive Security Appliances (ASAs) to their Cisco Web Security Appliances (WSAs).

The simulator will provide access to the graphical user interfaces of one Cisco ASA and one Cisco WSA that are participating in a WCCP service. Not all aspects of the GUIs are implemented in the simulator. The options that have been implemented are sufficient to determine the best answer to each of the questions that are presented.

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Adaptive  
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Web  
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ASA-C-DeviceSetup-Interfaces

Cisco ASDM 7.1 for ASA - 10.10.2.1

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Device Setup

Configuration > Device Setup > Interfaces

Interface	Name	State	Security Level	IP Address	Subnet Mask Prefix Length	VLAN	Gr
GigabitEthernet0/0	outside	Enabled	0	192.0.2.1	255.255.255.0	native	
GigabitEthernet0/1		Enabled				native	
GigabitEthernet0/1.4	inside	Enabled		100 10.10.1.1	255.255.255.0	vlan4	
GigabitEthernet0/1.250	Guest	Enabled		30 10.10.250.1	255.255.255.0	vlan250	
GigabitEthernet0/2	DMZ	Enabled		50 172.16.1.1	255.255.255.0	native	
GigabitEthernet0/3	Site-To...	Enabled		60 172.16.2.1	255.255.255.0	native	
GigabitEthernet0/4		Disabled				native	
GigabitEthernet0/5		Disabled				native	
Management0/0	manage...	Enabled		90 10.10.2.1	255.255.255.0	native	

The screenshot shows two parts of a Cisco configuration interface. The top part is the ASDM interface for a Cisco ASA, displaying the configuration for WCCP Service Groups. The bottom part is the Cisco S100V Web Security Virtual Appliance configuration page, showing the configuration for the Management Services interface.

**ASDM Configuration: WCCP Service Groups**

Service Group: 10  
 Display Mode: -- None --

Hash Settings:

Destination Ip Address: [ ] Destination Port: [ ]  
 Source Ip Address: [ ] Source Port: [ ]

Global WCCP information:

Router information:  
 Router Identifier: 192.0.2.1  
 Protocol Version: 2.0

Service Identifier: 10  
 Number of Cache Engines: 1  
 Number of routers: 1  
 Total Packets Redirected: 5137  
 Redirect access-list: WCCP-Redirection  
 Total Connections Denied Redirect: 0  
 Total Packets Unassigned: 0  
 Group access-list: -none-  
 Total Messages Denied to Group: 0  
 Total Authentication failures: 0

**Cisco S100V Web Security Virtual Appliance Configuration**

Reporting | Web Security Manager | Security Services | Network | System Administration

**Interfaces**

Interfaces:	Ethernet Port	IP Address	Netmask	Hostname
M1		10.10.2.50	255.255.255.0	wsa-mgmt.secure-x.local
P1		10.10.1.50	255.255.255.0	wsa.secure-x.local
Separate Routing for Management Services:	Separate routing (M1 port restricted to appliance management services only)			
Appliance Management Services:	HTTP on port 80, HTTPS on port 443, Redirect HTTP request to HTTPS			
L4 Traffic Monitor Wiring:	Duplex TAP: T1 (In/Out)			

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- Both are configured for both port 80 and 443.
- Both are configured for ports 80, 443 and 3128.
- There is a configuration mismatch on redirected ports.

---

**Answer: C**

---

Explanation:

This can be seen from the WSA Network tab shown below:

WSA-Network-WccpService	
	<input checked="" type="radio"/> Dynamic service ID: <input type="text" value="10"/> 0-255 Port numbers: <input type="text" value="80,443"/> <small>(up to 8 port numbers, separated by commas)</small> <input checked="" type="radio"/> Redirect based on destination port <input type="radio"/> Redirect based on source port (return path) <small>For IP spoofing, define two services, one based on destination port and another based on source port (return path).</small> <input checked="" type="radio"/> Load balance based on server address <input type="radio"/> Load balance based on client address <small>Applies only if more than one Web Security Appliance is in use.</small>
Router IP Addresses:	<input type="text" value="10.10.1.1"/> <small>Separate multiple entries with line breaks or commas.</small>
Router Security:	<input checked="" type="checkbox"/> Enable Security for Service Password: <input type="password" value="*****"/> <small>The password must be between 1 and 7 characters long.</small> Confirm Password: <input type="password" value="*****"/>
> Advanced:	Optional settings for customizing the behavior of the WCCP v2 Router.

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