

**Certkiller.300-206.120.QA**

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**Certkiller****300-206****Implementing Cisco Edge Network Security Solutions**

- This is so thoughtful and kind of you to think, write and share these dump for Cisco students.
- 100% Valid in US, UK, Australia, India and Emirates. All my friends in group have these same questions.

**Exam A****QUESTION 1**

A network engineer is asked to configure NetFlow to sample one of every 100 packets on a router's fa0/0 interface. Which configuration enables sampling, assuming that NetFlow is already configured and running on the router's fa0/0 interface?

- A. flow-sampler-map flow1  
mode random one-out-of 100  
interface fas0/0  
flow-sampler flow1
- B. flow monitor flow1  
mode random one-out-of 100  
interface fas0/0  
ip flow monitor flow1
- C. flow-sampler-map flow1  
one-out-of 100  
interface fas0/0  
flow-sampler flow1
- D. ip flow-export source fas0/0 one-out-of 100

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 2**

What is the default log level on the Cisco Web Security Appliance?

- A. Trace
- B. Debug
- C. Informational
- D. Critical

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

Which command sets the source IP address of the NetFlow exports of a device?

- A. ip source flow-export
- B. ip source netflow-export
- C. ip flow-export source
- D. ip netflow-export source

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 4**

Which two SNMPv3 features ensure that SNMP packets have been sent securely?" Choose two.

- A. host authorization
- B. authentication
- C. encryption
- D. compression

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

Which two options are two purposes of the packet-tracer command? (Choose two.)

- A. to filter and monitor ingress traffic to a switch
- B. to configure an interface-specific packet trace
- C. to inject virtual packets into the data path
- D. to debug packet drops in a production network
- E. to correct dropped packets in a production network

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 6**

Which set of commands enables logging and displays the log buffer on a Cisco ASA?

- A. enable logging  
show logging
- B. logging enable  
show logging
- C. enable logging int e0/1  
view logging
- D. logging enable  
logging view config

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

Which command displays syslog messages on the Cisco ASA console as they occur?

- A. Console logging <level>
- B. Logging console <level>
- C. Logging trap <level>
- D. Terminal monitor
- E. Logging monitor <level>

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

Which set of commands creates a message list that includes all severity 2 (critical) messages on a Cisco security device?

- A. logging list critical\_messages level 2  
console logging critical\_messages
- B. logging list critical\_messages level 2  
logging console critical\_messages
- C. logging list critical\_messages level 2  
logging console enable critical\_messages
- D. logging list enable critical\_messages level 2  
console logging critical\_messages

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

An administrator is deploying port-security to restrict traffic from certain ports to specific MAC addresses. Which two considerations must an administrator take into account when using the switchport port-security mac-address sticky command? (Choose two.)

- A. The configuration will be updated with MAC addresses from traffic seen ingressing the port.  
The configuration will automatically be saved to NVRAM if no other changes to the configuration have been made.
- B. The configuration will be updated with MAC addresses from traffic seen ingressing the port.  
The configuration will not automatically be saved to NVRAM.
- C. Only MAC addresses with the 5th most significant bit of the address (the 'sticky' bit) set to 1 will be learned.
- D. If configured on a trunk port without the 'vlan' keyword, it will apply to all vlans.
- E. If configured on a trunk port without the 'vlan' keyword, it will apply only to the native vlan.

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

A Cisco ASA is configured for TLS proxy. When should the security appliance force remote IP phones connecting to the phone proxy through the

internet to be in secured mode?

- A. When the Cisco Unified Communications Manager cluster is in non-secure mode
- B. When the Cisco Unified Communications Manager cluster is in secure mode only
- C. When the Cisco Unified Communications Manager is not part of a cluster
- D. When the Cisco ASA is configured for IPSec VPN

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 11

You are configuring a Cisco IOS Firewall on a WAN router that is operating as a Trusted Relay Point (TRP) in a voice network. Which feature must you configure to open data-channel pinholes for voice packets that are sourced from a TRP within the WAN?

- A. CAC
- B. ACL
- C. CBAC
- D. STUN

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 12

Which two voice protocols can the Cisco ASA inspect? (Choose two.)

- A. MGCP
- B. IAX
- C. Skype
- D. CTIQBE

**Correct Answer:** AD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 13**

You have explicitly added the line deny ipv6 any log to the end of an IPv6 ACL on a router interface. Which two ICMPv6 packet types must you explicitly allow to enable traffic to traverse the interface? (Choose two.)

- A. router solicitation
- B. router advertisement
- C. neighbor solicitation
- D. neighbor advertisement
- E. redirect

**Correct Answer:** CD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 14**

Enabling what security mechanism can prevent an attacker from gaining network topology information from CDP?

- A. MACsec
- B. Flex VPN
- C. Control Plane Protection
- D. Dynamic Arp Inspection

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 15**

What are three attributes that can be applied to a user account with RBAC? (Choose three.)

- A. domain
- B. password
- C. ACE tag
- D. user roles
- E. VDC group tag
- F. expiry date

**Correct Answer:** BDF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 16**

If you encounter problems logging in to the Cisco Security Manager 4.4 web server or client or backing up its databases, which account has most likely been improperly modified?

- A. admin (the default administrator account)
- B. casuser (the default service account)
- C. guest (the default guest account)
- D. user (the default user account)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Corrected

#### **QUESTION 17**

Which component does Cisco ASDM require on the host Cisco ASA 5500 Series or Cisco PIX security appliance?

- A. a DES or 3DES license
- B. a NAT policy server
- C. a SQL database
- D. a Kerberos key
- E. a digital certificate

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 18**

Which command configures the SNMP server group1 to enable authentication for members of the access list east?

- A. snmp-server group group1 v3 auth access east
- B. snmp-server group1 v3 auth access east
- C. snmp-server group group1 v3 east
- D. snmp-server group1 v3 east access

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 19**

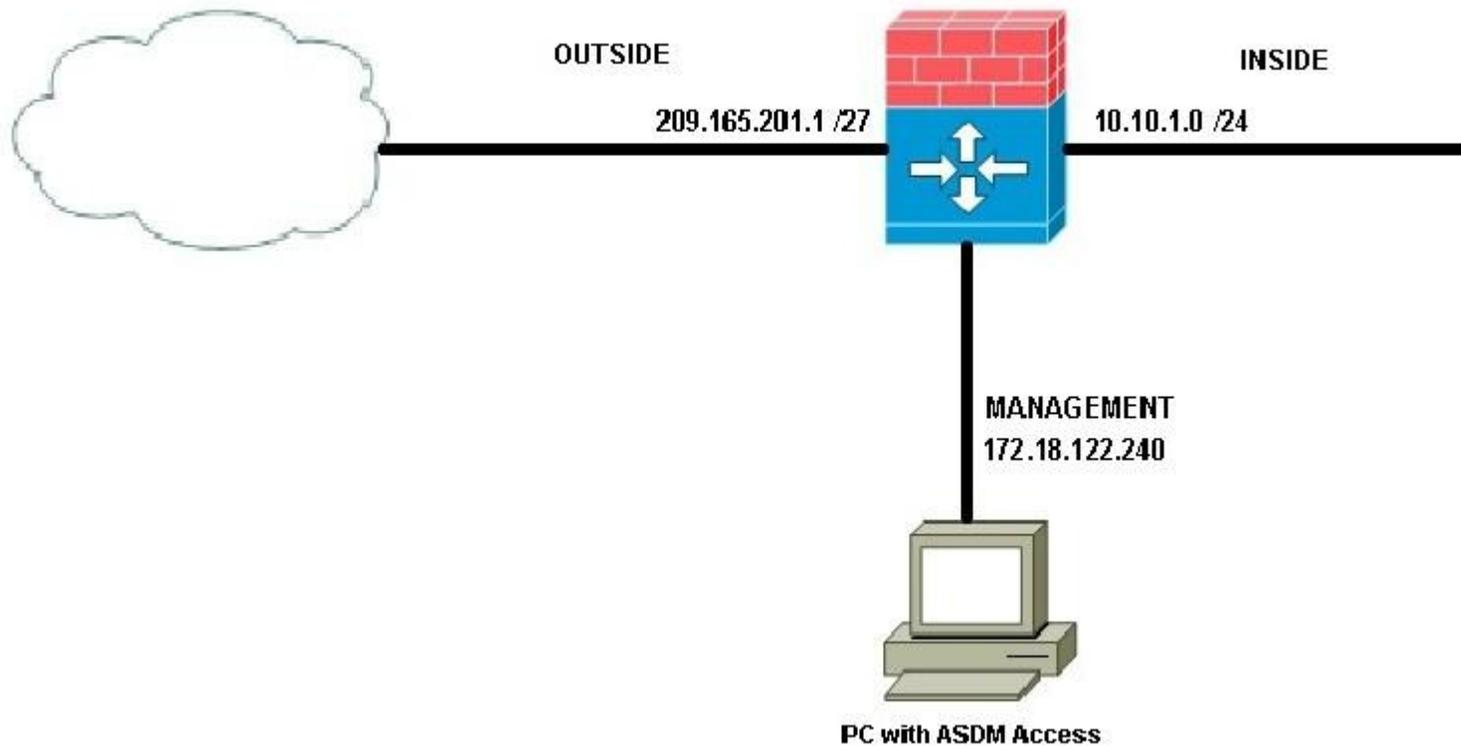
**Instructions** \_ □

Click the grey buttons at the bottom of this frame to view the different windows.

You can minimize and reposition windows. To reposition a window drag it by the title bar.

**Scenario** \_ □

Click the PC icon to access ASDM. Use ASDM to answer these three questions about the ASA configurations.



ASDM

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Device Management

Configuration > Device Management > Management Access > SNMPv3

Configure SNMP parameters and management stations.

Community String (default): ●●●●● (optional)

Contact: Administrator

ASA Location: building 9

Logging Port: 161

SNMP Host Access List

Interface	IP Address	Community String	SNMP Version	Pol./Trap	LD Port
inside	192.170.1.120	a	3	Poll, Trap	162

SNMPv3 Users

Configure SNMPv3 users. Specify authentication and privacy options for users according to the group to which they belong.

Group Name	Username	Encrypted Password	Authentication	Encryption Algorithm	AES Size
Authentication/Encryption	user	Yes	MD5	AES	256

Which statement about how the Cisco ASA supports SNMP is true?

- A. All SNMPv3 traffic on the inside interface will be denied by the global ACL
- B. The Cisco ASA and ASASM provide support for network monitoring using SNMP Versions 1,2c, and 3, but do not support the use of all three versions simultaneously.
- C. The Cisco ASA and ASASM have an SNMP agent that notifies designated management stations if events occur that are predefined to require a notification, for example, when a link in the network goes up or down.
- D. SNMPv3 is enabled by default and SNMP v1 and 2c are disabled by default.
- E. SNMPv3 is more secure because it uses SSH as the transport mechanism.

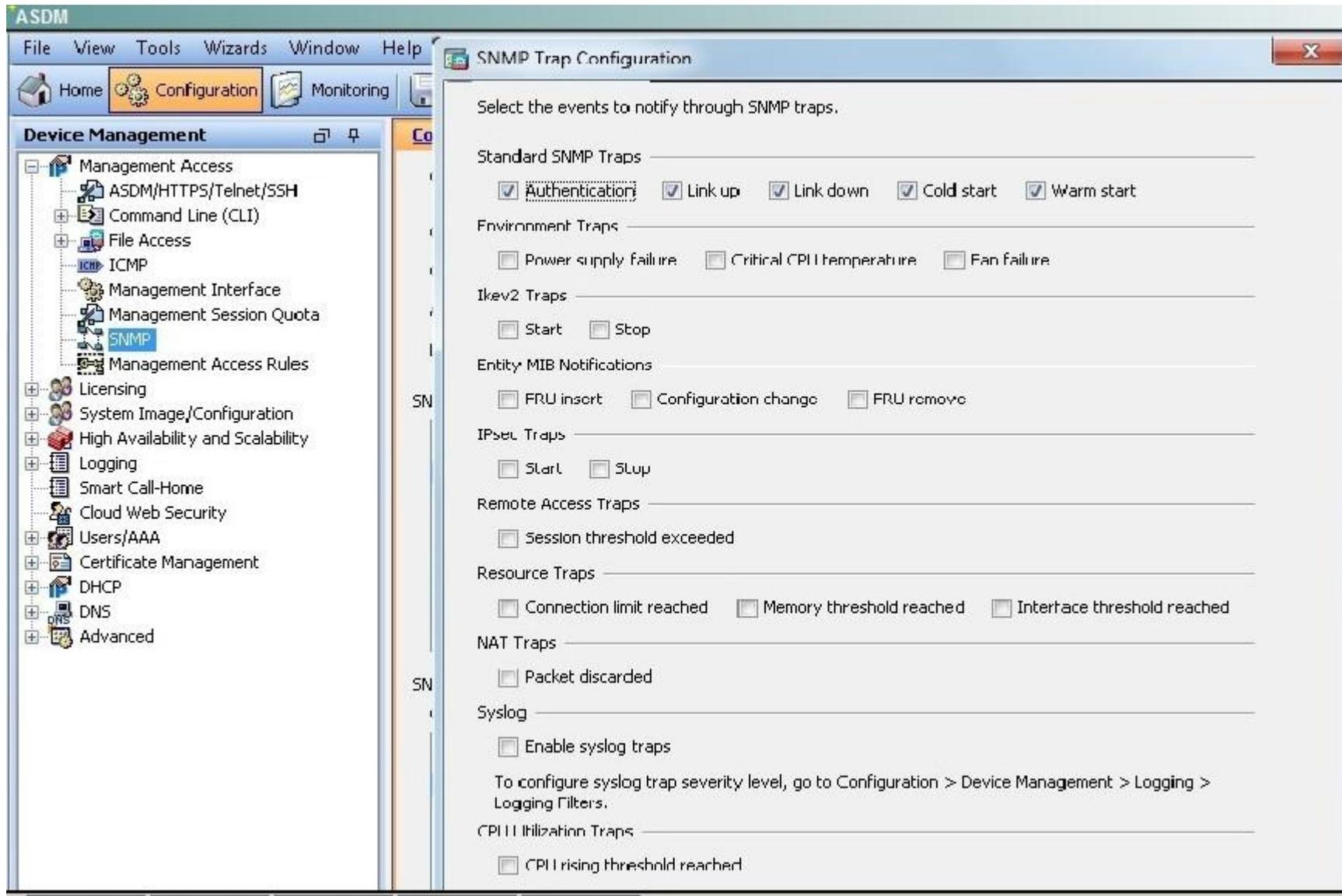
**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

This can be verified by this ASDM screen shot:



**QUESTION 20**

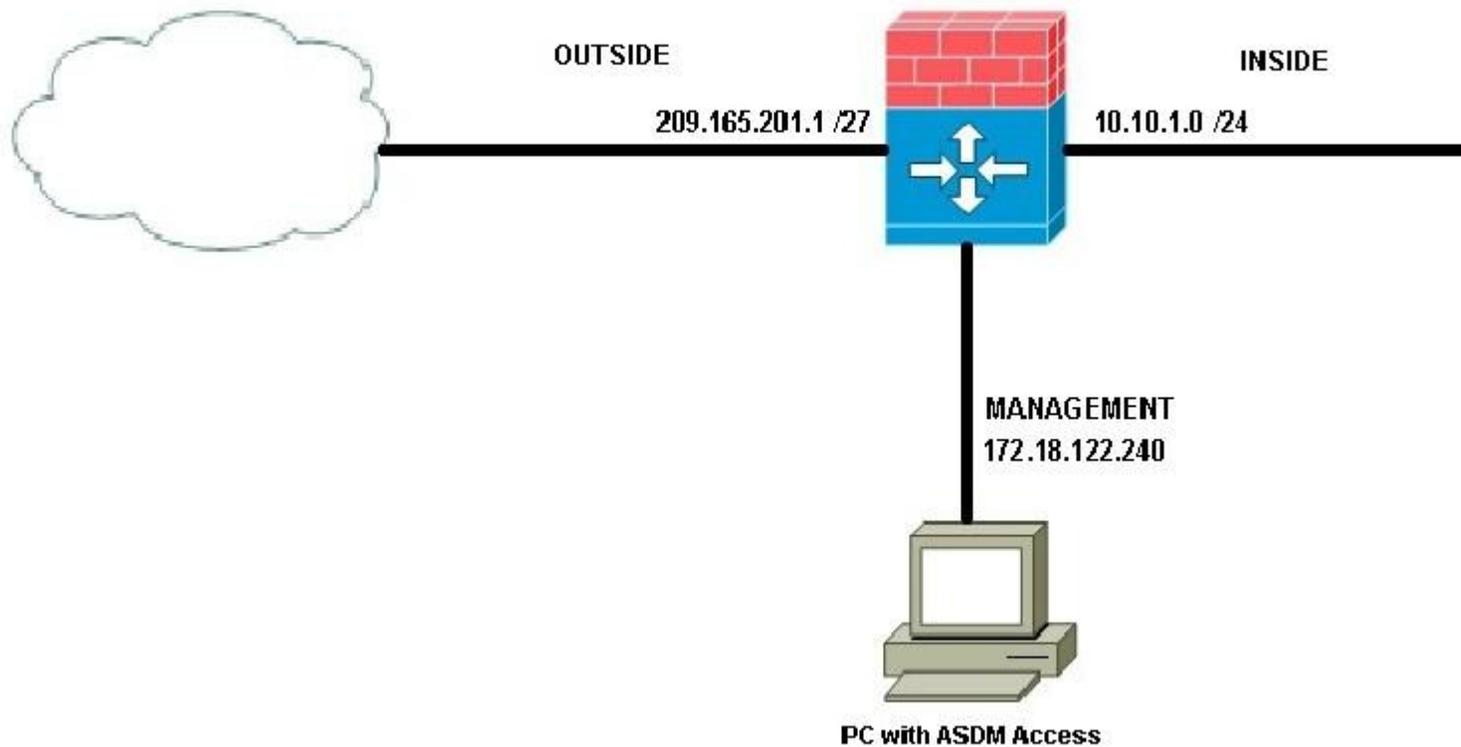
Instructions

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Scenario

Click the PC icon to access ASDM. Use ASDM to answer these three questions about the ASA configurations.

Topology



ASDM Configuration > Device Management > Management Access > SNMPv3

Configure SNMPv3 parameters and management stations.

Community String (default):  (optional)

Contact:

ASA Location:

Listening Port:

SNMP Host Access List

Interface	IP Address	Community String	SNMP Version	Pol./Trap	LD Port	
inside	192.170.1.120		3	Poll, Trap	161	<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

SNMPv3 Users

Configure SNMPv3 users. Specify authentication and privacy options for users according to the group to which they belong.

Group Name	Username	Encrypted Password	Authentication	Encryption Algorithm	AES Size	
Authentication/Encryption	user	Yes	MD5	AES	256	<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

SNMP users have a specified username, a group to which the user belongs, authentication password, encryption password, and authentication and encryption algorithms to use. The authentication algorithm options are MD5 and SHA. The encryption algorithm options are DES, 3DES, and AES (which is available in 128, 192, and 256 versions). When you create a user, with which option must you associate it?

- A. an SNMP group
- B. at least one interface
- C. the SNMP inspection in the global\_policy
- D. at least two interfaces

**Correct Answer: A**

**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
This can be verified via the ASDM screen shot shown here:

The screenshot shows the ASDM interface with two configuration sections. The first section, 'SNMP Host Access List', contains a table with one entry. The second section, 'SNMPv3 Users', contains a table with one entry.

Interface	IP Address	Community String	SNMP Version	Poll/Trap	UDP Port
inside	192.168.1.123		3	Poll, Trap	

Group Name	Username	Encrypted Password	Authentication	Encryption Algorithm	AES Size
Authentication&Encryption	user1	Yes	MDS	AES	256

**QUESTION 21**

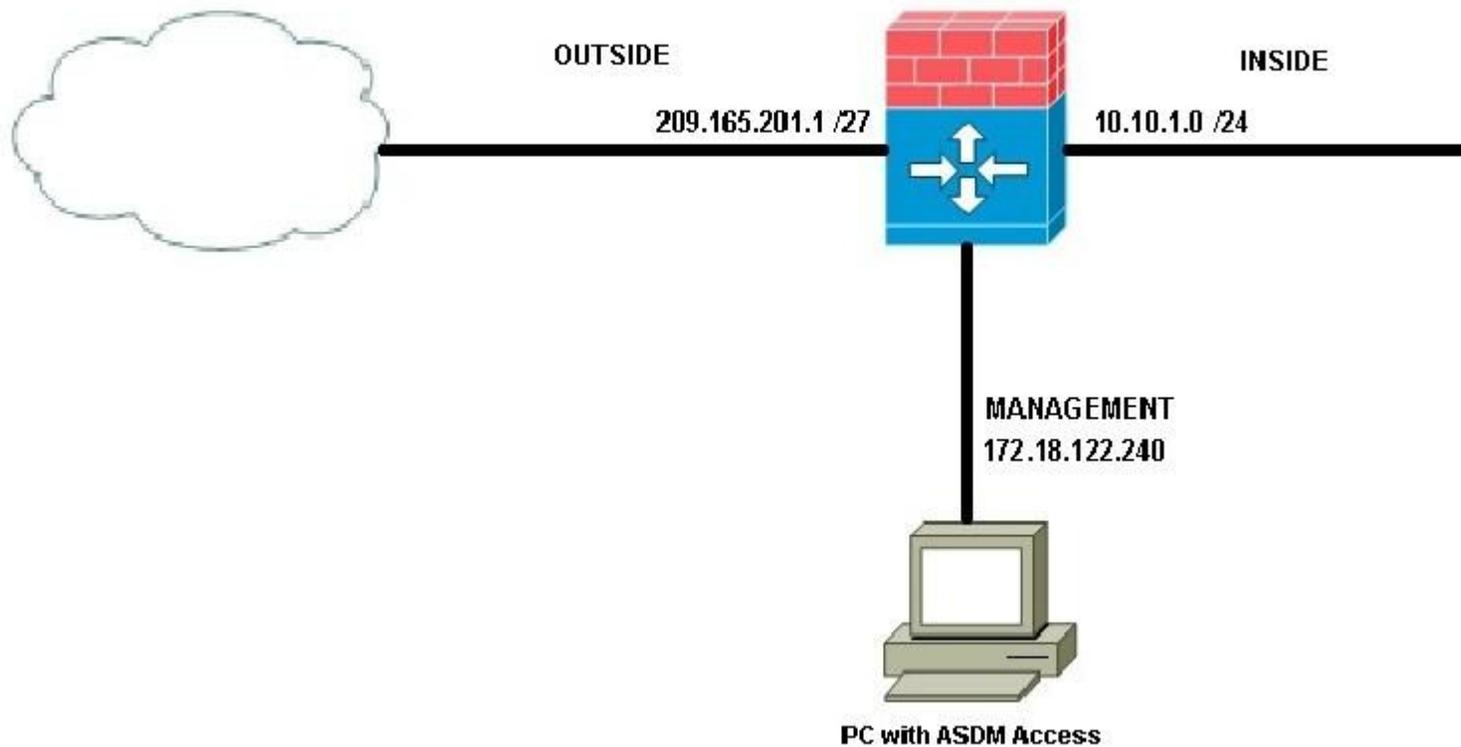
Instructions

Click the grey buttons at the bottom of this frame to view the different windows.  
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Scenario

Click the PC icon to access ASDM. Use ASDM to answer these three questions about the ASA configurations.

Topology



The screenshot shows the ASDM interface for configuring SNMP. The main configuration area includes the following fields:

- Community String (default):  (optional)
- Contact:
- ASA Location:
- Listening Port:

Below these fields are two tables:

**SNMP Host Access List**

Interface	IP Address	Community String	SNMP Version	Pol./Trap	LD Port
inside	192.170.1.123		3	Pol., Trap	162

**SNMPv3 Users**

Group Name	Username	Encrypted Password	Authentication	Encryption Algorithm	AES Size
Authentication/Encryption	user	Yes	MD5	AES	128

An SNMP host is an IP address to which SNMP notifications and traps are sent. To configure SNMPv3 hosts, which option must you configure in addition to the target IP address?

- A. the Cisco ASA as a DHCP server, so the SNMPv3 host can obtain an IP address
- B. a username, because traps are only sent to a configured user
- C. SSH, so the user can connect to the Cisco ASA
- D. the Cisco ASA with a dedicated interface only for SNMP, to process the SNMP host traffic.

**Correct Answer: B**  
**Section: (none)**

**Explanation**

**Explanation/Reference:**

The username can be seen here on the ASDM simulator screen shot:

The screenshot shows the ASDM (Cisco Systems Desktop Management) interface. A dialog box titled "Edit SNMP Host Access Entry" is open, allowing configuration of an SNMP host access entry. The fields in the dialog are:

- Interface Name: inside
- IP Address: 192.168.1.123
- UDP Port: 162
- SNMP Version: 3
- Username: user1

Under "Server Poll/Trap Specification", the "Poll" and "Trap" checkboxes are checked. The background interface shows a table of SNMP configurations:

Version	Poll/Trap	UDP Port
	Poll, Trap	162

Below this table, there is another table for authentication configurations:

Username	Encrypted Password	Authentication	Encryption Algorithm	AES Size
ser1	Yes	MD5	AES	256

**QUESTION 22**

Enabling what security mechanism can prevent an attacker from gaining network topology information from CDP via a man-in-the-middle attack?

- A. MACsec
- B. Flex VPN
- C. Control Plane Protection
- D. Dynamic Arp Inspection

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

On an ASA running version 9.0, which command is used to nest objects in a pre-existing group?

- A. object-group
- B. network group-object
- C. object-group network
- D. group-object

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

Which ASA feature is used to keep track of suspected attackers who create connections to too many hosts or ports?

- A. complex threat detection
- B. scanning threat detection
- C. basic threat detection
- D. advanced threat detection

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 25**

You are the administrator of a Cisco ASA 9.0 firewall and have been tasked with ensuring that the Firewall Admins Active Directory group has full access to the ASA configuration. The Firewall Operators Active Directory group should have a more limited level of access.

Which statement describes how to set these access levels?

- A. Use Cisco Directory Agent to configure the Firewall Admins group to have privilege level 15 access. Also configure the Firewall Operators group to have privilege level 6 access.
- B. Use TACACS+ for Authentication and Authorization into the Cisco ASA CLI, with ACS as the AAA server. Configure ACS CLI command authorization sets for the Firewall Operators group. Configure level 15 access to be assigned to members of the Firewall Admins group.
- C. Use RADIUS for Authentication and Authorization into the Cisco ASA CLI, with ACS as the AAA server. Configure ACS CLI command authorization sets for the Firewall Operators group. Configure level 15 access to be assigned to members of the Firewall Admins group.
- D. Active Directory Group membership cannot be used as a determining factor for accessing the Cisco ASA CLI.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 26**

A router is being enabled for SSH command line access.

The following steps have been taken:

- The vty ports have been configured with transport input SSH and login local.
- Local user accounts have been created.
- The enable password has been configured.

What additional step must be taken if users receive a 'connection refused' error when attempting to access the router via SSH?

- A. A RSA keypair must be generated on the router
- B. An access list permitting SSH inbound must be configured and applied to the vty ports
- C. An access list permitting SSH outbound must be configured and applied to the vty ports
- D. SSH v2.0 must be enabled on the router

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 27**

Which two configurations are necessary to enable password-less SSH login to an IOS router? (Choose two.)

- A. Enter a copy of the administrator's public key within the SSH key-chain
- B. Enter a copy of the administrator's private key within the SSH key-chain
- C. Generate a 512-bit RSA key to enable SSH on the router
- D. Generate an RSA key of at least 768 bits to enable SSH on the router
- E. Generate a 512-bit ECDSA key to enable SSH on the router
- F. Generate a ECDSA key of at least 768 bits to enable SSH on the router

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 28**

Which two features does Cisco Security Manager provide? (Choose two.)

- A. Configuration and policy deployment before device discovery
- B. Health and performance monitoring
- C. Event management and alerting
- D. Command line menu for troubleshooting
- E. Ticketing management and tracking

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

You are the administrator of a multicontext transparent-mode Cisco ASA that uses a shared interface that belongs to more than one context. Because the same interface will be used within all three contexts, which statement describes how you will ensure that return traffic will reach the correct context?

- A. Interfaces may not be shared between contexts in routed mode.
- B. Configure a unique MAC address per context with the `no mac-address auto` command.
- C. Configure a unique MAC address per context with the `mac-address auto` command.
- D. Use static routes on the Cisco ASA to ensure that traffic reaches the correct context.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

A rogue device has connected to the network and has become the STP root bridge, which has caused a network availability issue. Which two commands can protect against this problem? (Choose two.)

- A. `switch(config)#spanning-tree portfast bpduguard default`
- B. `switch(config)#spanning-tree portfast bpdufilter default`
- C. `switch(config-if)#spanning-tree portfast`
- D. `switch(config-if)#spanning-tree portfast disable`
- E. `switch(config-if)#switchport port-security violation protect`
- F. `switch(config-if)#spanning-tree port-priority 0`

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

Which two SNMPv3 features ensure that SNMP packets have been sent securely? (Choose two.)

- A. host authorization
- B. authentication
- C. encryption

D. compression

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 32

Which two statements about zone-based firewalls are true? (Choose two.)

- A. More than one interface can be assigned to the same zone.
- B. Only one interface can be in a given zone.
- C. An interface can only be in one zone.
- D. An interface can be a member of multiple zones.
- E. Every device interface must be a member of a zone.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 33

An attacker has gained physical access to a password protected router. Which command will prevent access to the startup-config in NVRAM?

- A. no service password-recovery
- B. no service startup-config
- C. service password-encryption
- D. no confreg 0x2142

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Excellent dump.

**QUESTION 34**

Which command tests authentication with SSH and shows a generated key?

- A. show key mypubkey rsa
- B. show crypto key mypubkey rsa
- C. show crypto key
- D. show key mypubkey

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

### Instructions

Click the grey buttons at the bottom of this frame to view the different windows.

Windows can be minimized and repositioned. You can also reposition a window by dragging it by the title bar.

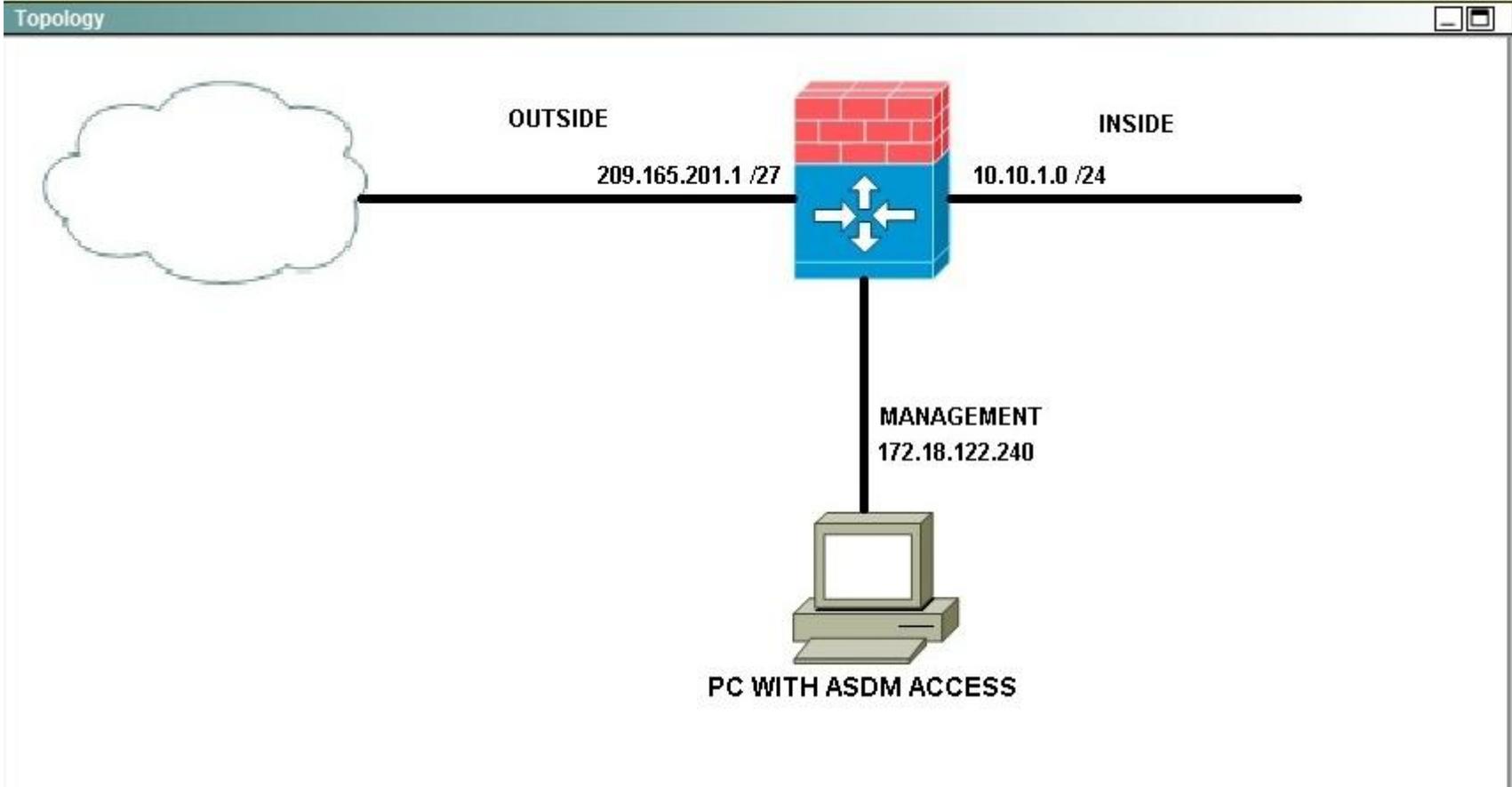
### Scenario

You have been given access to a Cisco ASA 5512 Adaptive Security Appliance via Cisco ASDM. Use Cisco ASDM to edit the Cisco ASA 5505 Adaptive Security Appliance configurations to enable Advanced HTTP application inspection by completing the following tasks:

Starting from the Service Policy Rules ASDM pane,

- Enable HTTP inspection globally on the Cisco ASA appliance
- Create a new HTTP Inspect Map named: **http-inspect-map** to:
  - Enable the *dropping* of any HTTP connections that encounter HTTP protocol violations
  - Enable the *dropping and logging* of any HTTP connections when the content type in the HTTP response does not match one of the MIME types in the accept field of the HTTP request

**Note:** After you complete the configuration, you do not need to save the running configuration to the startup-config. In this simulation, you cannot test the HTTP inspection policy that was created after you completed your configuration. Not all ASDM screens are fully functional. However, you should be able to view, edit, and delete the HTTP inspect map that you created from the **Configuration > Firewall > Objects > Inspect Maps > HTTP** ASDM screen.



ASDM

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

**Firewall**

- Access Rules
- NAT Rules
- Service Policy Rules**
- AAA Rules
- Filter Rules
- Public Servers
- URL Filtering Servers
- Threat Detection
- Identity Options
- Identity by TrustSec
- Objects
  - Network Objects/Groups
  - Service Objects/Groups
  - Local Users
  - Local User Groups
  - Security Group Object Groups
- Class Maps
- Inspect Maps
  - Cloud Web Security
  - DCERPC
  - DNS
  - ESMTP
  - FTP
  - H.323
  - HTTP
  - Instant Messaging (IM)
  - IP-Options
  - IPsec Pass Through
  - IPv6
  - MGCP

**Configuration > Firewall > Service Policy Rules**

+ Add Edit Delete Up Down Copy Paste Find Diagram Packet Trace

Traffic Classification

Name	#	Enabled	Match	Source	Src Security Group	Destination	Dst Security Group	Service
Global; Policy: global_policy								
inspection_default			Match	any		any		default-inspections

**Correct Answer:** Please check the steps in explanation part below:

**Section:** (none)

## Explanation

### Explanation/Reference:

Explanation:

- 1) Click on Service Policy Rules, then Edit the default inspection rule.
- 2) Click on Rule Actions, then enable HTTP as shown here:

**ASDM**

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

**Firewall**

- Access Rules
- NAT Rules
- Service Policy Rules
- AAA Rules
- Filter Rules
- Public Servers
- URL Filtering Servers
- Threat Detection
- Identity Options
- Identity by TrustSec
- Objects
  - Network Objects/Groups
  - Service Objects/Groups
  - Local Users
  - Local User Groups
  - Security Group Object Groups
- Class Maps
- Inspect Maps
  - Cloud Web Security
  - DCERPC
  - DNS
  - ESMTP
  - FTP
  - H.323
  - HTTP
  - Instant Messaging (IM)
  - IP-Options

**Configuration**

+ Add

Traffic Classification

Name

- Global; Policy
- inspection\_c

**Edit Service Policy Rule**

Traffic Classification | Default Inspections | Rule Actions

Protocol Inspection | Connection Settings | QoS | NetFlow | User Statistics

Select all inspection rules

- CTIQBE
- Cloud Web Security [Configure...](#)
- DCERPC [Configure...](#)
- DNS [Configure...](#) DNS Inspect Map
- ESMTP [Configure...](#)
- FTP [Configure...](#)
- H.323 H.225 [Configure...](#)
- H.323 RAS [Configure...](#)
- HTTP [Configure...](#)
- ICMP
- ICMP Error
- ILS
- IM [Configure...](#)
- IP-Options [Configure...](#)

3) Click on Configure, then add as shown here:

ASDM

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

**Firewall**

- Access Rules
- NAT Rules
- Service Policy Rules
- AAA Rules
- Filter Rules
- Public Servers
- URL Filtering Servers
- Threat Detection
- Identity Options
- Identity by TrustSec
- Objects
  - Network Objects/Groups
  - Service Objects/Groups
  - Local Users
  - Local User Groups
  - Security Group Object Groups
- Class Maps
- Inspect Maps
  - Cloud Web Security
  - DCERPC
  - DNS
  - ESMTP
  - FTP
  - H.323
  - HTTP
  - Instant Messaging (IM)
  - IP-Options

**Configuration**

+ Add

Traffic Classification

Name

- Global; Policy
- inspection\_c

**Edit Service Policy Rule**

Traffic Classification Default Inspections Rule Actions

**Select HTTP Inspect Map**

- Use the default HTTP inspection map
- Select an HTTP inspect map for fine control over inspection

Name	Add

4) Create the new map in ASDM like shown:

ASDM

Configuration Edit Service Policy Rule

+ Add

Traffic Classification Default Inspections Rule Actions

Add HTTP Inspect Map

Name: http-inspect-map

Description:

Parameters Inspections

Body Match Maximum: 200

Check for protocol violations

Actions

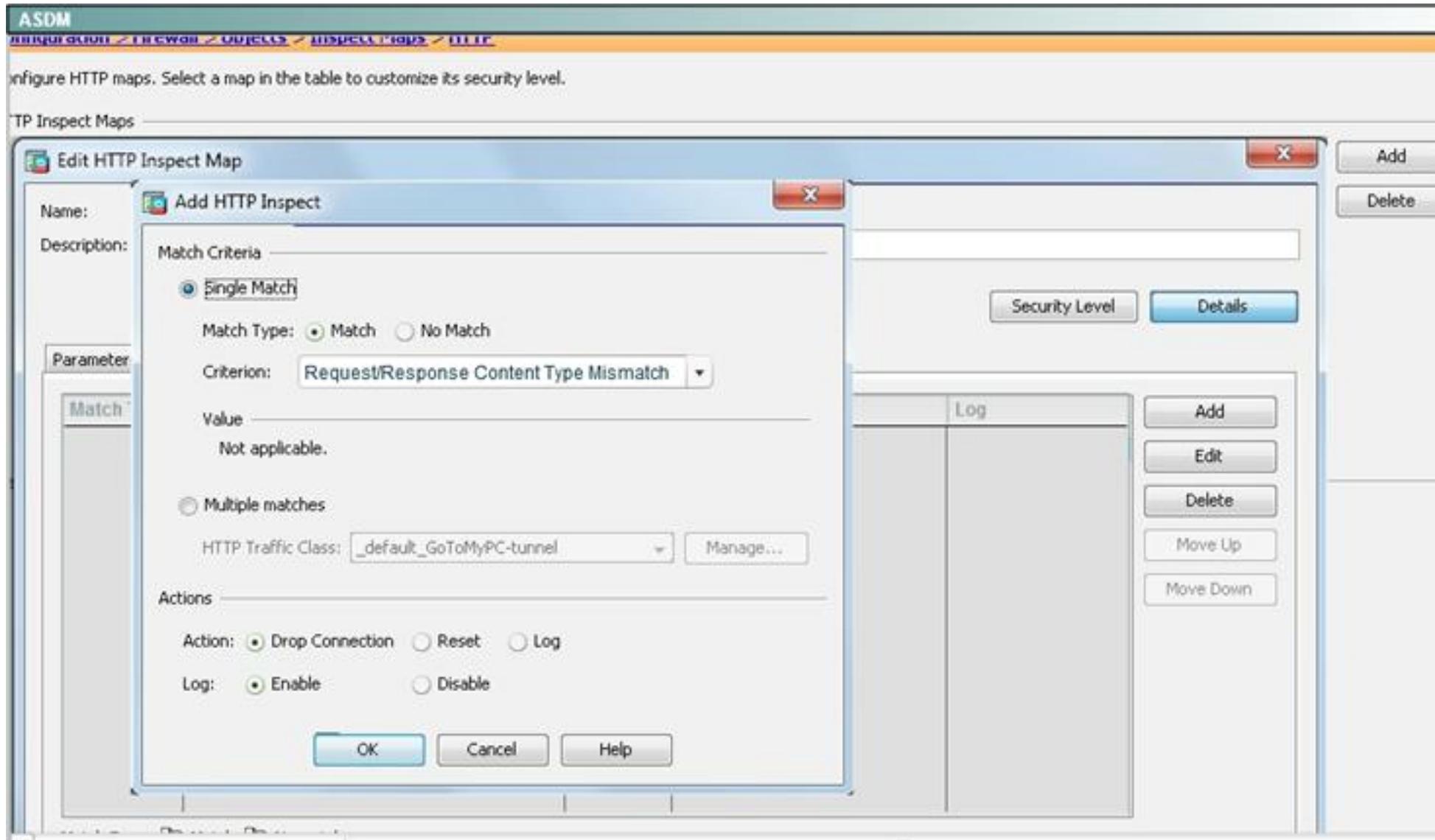
Action:  Drop Connection  Reset  Log

Log:  Enable  Disable

Spoof server string

Spoof String:

5) Edit the policy as shown:



6) Hit OK

**QUESTION 36**

A network administrator is creating an ASA-CX administrative user account with the following parameters:  
The user will be responsible for configuring security policies on network devices.  
The user needs read-write access to policies.  
The account has no more rights than necessary for the job.

What role will be assigned to the user?

- A. Administrator
- B. Security administrator
- C. System administrator
- D. Root Administrator
- E. Exec administrator

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 37**

Which tool provides the necessary information to determine hardware lifecycle and compliance details for deployed network devices?

- A. Prime Infrastructure
- B. Prime Assurance
- C. Prime Network Registrar
- D. Prime Network Analysis Module

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

Which three compliance and audit report types are available in Cisco Prime Infrastructure? (Choose three.)

- A. Service
- B. Change Audit
- C. Vendor Advisory
- D. TAC Service Request
- E. Validated Design
- F. Smart Business Architecture

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 39**

Cisco Security Manager can manage which three products? (Choose three.)

- A. Cisco IOS
- B. Cisco ASA
- C. Cisco IPS
- D. Cisco WLC
- E. Cisco Web Security Appliance
- F. Cisco Email Security Appliance
- G. Cisco ASA CX
- H. Cisco CRS

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 40**

Which two web browsers are supported for the Cisco ISE GUI? (Choose two.)

- A. HTTPS-enabled Mozilla Firefox version 3.x

- B. Netscape Navigator version 9
- C. Microsoft Internet Explorer version 8 in Internet Explorer 8-only mode
- D. Microsoft Internet Explorer version 8 in all Internet Explorer modes
- E. Google Chrome (all versions)

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 41**

All 30 users on a single floor of a building are complaining about network slowness. After investigating the access switch, the network administrator notices that the MAC address table is full (10,000 entries) and all traffic is being flooded out of every port. Which action can the administrator take to prevent this from occurring?

- A. Configure port-security to limit the number of mac-addresses allowed on each port
- B. Upgrade the switch to one that can handle 20,000 entries
- C. Configure private-vlans to prevent hosts from communicating with one another
- D. Enable storm-control to limit the traffic rate
- E. Configure a VACL to block all IP traffic except traffic to and from that subnet

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 42**

A network printer has a DHCP server service that cannot be disabled. How can a layer 2 switch be configured to prevent the printer from causing network issues?

- A. Remove the ip helper-address
- B. Configure a Port-ACL to block outbound TCP port 68
- C. Configure DHCP snooping
- D. Configure port-security

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 43**

A switch is being configured at a new location that uses statically assigned IP addresses. Which will ensure that ARP inspection works as expected?

- A. Configure the 'no-dhcp' keyword at the end of the ip arp inspection command
- B. Enable static arp inspection using the command 'ip arp inspection static vlan vlan-number
- C. Configure an arp access-list and apply it to the ip arp inspection command
- D. Enable port security

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 44**

Which of the following would need to be created to configure an application-layer inspection of SMTP traffic operating on port 2525?

- A. A class-map that matches port 2525 and applying an inspect ESMTP policy-map for that class in the global inspection policy
- B. A policy-map that matches port 2525 and applying an inspect ESMTP class-map for that policy
- C. An access-list that matches on TCP port 2525 traffic and applying it on an interface with the inspect option
- D. A class-map that matches port 2525 and applying it on an access-list using the inspect option

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 45**

Which security operations management best practice should be followed to enable appropriate network access for administrators?

- A. Provide full network access from dedicated network administration systems

- B. Configure the same management account on every network device
- C. Dedicate a separate physical or logical plane for management traffic
- D. Configure switches as terminal servers for secure device access

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 46**

Which two features block traffic that is sourced from non-topological IPv6 addresses? (Choose two.)

- A. DHCPv6 Guard
- B. IPv6 Prefix Guard
- C. IPv6 RA Guard
- D. IPv6 Source Guard

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 47**

Which three options correctly identify the Cisco ASA1000V Cloud Firewall? (Choose three.)

- A. operates at Layer 2
- B. operates at Layer 3
- C. secures tenant edge traffic
- D. secures intraswitch traffic
- E. secures data center edge traffic
- F. replaces Cisco VSG
- G: complements Cisco VSG
- H: requires Cisco VSG

**Correct Answer:** BC

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 48**

Which two statements about Cisco IDS are true? (Choose two.)

- A. It is preferred for detection-only deployment.
- B. It is used for installations that require strong network-based protection and that include sensor tuning.
- C. It is used to boost sensor sensitivity at the expense of false positives.
- D. It is used to monitor critical systems and to avoid false positives that block traffic.
- E. It is used primarily to inspect egress traffic, to filter outgoing threats.

**Correct Answer:** AD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 49**

What are two reasons for implementing NIPS at enterprise Internet edges? (Choose two.)

- A. Internet edges typically have a lower volume of traffic and threats are easier to detect.
- B. Internet edges typically have a higher volume of traffic and threats are more difficult to detect.
- C. Internet edges provide connectivity to the Internet and other external networks.
- D. Internet edges are exposed to a larger array of threats.
- E. NIPS is more optimally designed for enterprise Internet edges than for internal network configurations.

**Correct Answer:** CD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 50**

Which four are IPv6 First Hop Security technologies? (Choose four.)

- A. Send
- B. Dynamic ARP Inspection
- C. Router Advertisement Guard
- D. Neighbor Discovery Inspection
- E. Traffic Storm Control
- F. Port Security
- G. DHCPv6 Guard

**Correct Answer:** ACDG

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 51**

IPv6 addresses in an organization's network are assigned using Stateless Address Autoconfiguration. What is a security concern of using SLAAC for IPv6 address assignment?

- A. Man-In-The-Middle attacks or traffic interception using spoofed IPv6 Router Advertisements
- B. Smurf or amplification attacks using spoofed IPv6 ICMP Neighbor Solicitations
- C. Denial of service attacks using TCP SYN floods
- D. Denial of Service attacks using spoofed IPv6 Router Solicitations

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Updated.

#### **QUESTION 52**

Which two device types can Cisco Prime Security Manager manage in Multiple Device mode? (Choose two.)

- A. Cisco ESA
- B. Cisco ASA
- C. Cisco WSA
- D. Cisco ASA CX

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 53**

Which technology provides forwarding-plane abstraction to support Layer 2 to Layer 7 network services in Cisco Nexus 1000V?

- A. Virtual Service Node
- B. Virtual Service Gateway
- C. Virtual Service Data Path
- D. Virtual Service Agent

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 54**

An administrator installed a Cisco ASA that runs version 9.1. You are asked to configure the firewall through Cisco ASDM.

When you attempt to connect to a Cisco ASA with a default configuration, which username and password grants you full access?

- A. admin / admin
- B. asaAdmin / (no password)
- C. It is not possible to use Cisco ASDM until a username and password are created via the username usernamepassword password CLI command.
- D. enable\_15 / (no password)
- E. cisco / cisco

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 55**

Which three commands can be used to harden a switch? (Choose three.)

- A. switch(config-if)# spanning-tree bpdudfilter enable
- B. switch(config)# ip dhcp snooping
- C. switch(config)# errdisable recovery interval 900
- D. switch(config-if)# spanning-tree guard root
- E. switch(config-if)# spanning-tree bpduguard disable
- F. switch(config-if)# no cdp enable

**Correct Answer:** BDF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 56**

What are three features of the Cisco ASA 1000V? (Choose three.)

- A. cloning the Cisco ASA 1000V
- B. dynamic routing
- C. the Cisco VNMC policy agent
- D. IPv6
- E. active/standby failover
- F. QoS

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 57**

If the Cisco ASA 1000V has too few licenses, what is its behavior?

- A. It drops all traffic.
- B. It drops all outside-to-inside packets.
- C. It drops all inside-to-outside packets.

D. It passes the first outside-to-inside packet and drops all remaining packets.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 58**

A network administrator is creating an ASA-CX administrative user account with the following parameters:

The user will be responsible for configuring security policies on network devices.

The user needs read-write access to policies.

The account has no more rights than necessary for the job.

What role will the administrator assign to the user?

- A. Administrator
- B. Security administrator
- C. System administrator
- D. Root Administrator
- E. Exec administrator

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 59**

What command alters the SSL ciphers used by the Cisco Email Security Appliance for TLS sessions and HTTPS access?

- A. sslconfig
- B. sslciphers
- C. tlsconfig
- D. certconfig

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 60**

What is the CLI command to enable SNMPv3 on the Cisco Web Security Appliance?

- A. snmpconfig
- B. snmpenable
- C. configsnmp
- D. enablesnmp

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 61**

Which two features are supported when configuring clustering of multiple Cisco ASA appliances? (Choose two.)

- A. NAT
- B. dynamic routing
- C. SSL remote access VPN
- D. IPSec remote access VPN

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 62**

When a Cisco ASA is configured in transparent mode, how can ARP traffic be controlled?

- A. By enabling ARP inspection; however, it cannot be controlled by an ACL
- B. By enabling ARP inspection or by configuring ACLs
- C. By configuring ACLs; however, ARP inspection is not supported

D. By configuring NAT and ARP inspection

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 63**

What are two primary purposes of Layer 2 detection in Cisco IPS networks? (Choose two.)

- A. identifying Layer 2 ARP attacks
- B. detecting spoofed MAC addresses and tracking 802.1X actions and data communication after a successful client association
- C. detecting and preventing MAC address spoofing in switched environments
- D. mitigating man-in-the-middle attacks

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 64**

What is the primary purpose of stateful pattern recognition in Cisco IPS networks?

- A. mitigating man-in-the-middle attacks
- B. using multipacket inspection across all protocols to identify vulnerability-based attacks and to thwart attacks that hide within a data stream
- C. detecting and preventing MAC address spoofing in switched environments
- D. identifying Layer 2 ARP attacks

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 65**

When will a Cisco ASA that is operating in transparent firewall mode perform a routing table lookup instead of a MAC address table lookup to determine

the outgoing interface of a packet?

- A. if multiple context mode is configured
- B. if the destination MAC address is unknown
- C. if the destination is more than a hop away from the Cisco ASA
- D. if NAT is configured
- E. if dynamic ARP inspection is configured

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 66**

Which Cisco ASA feature is implemented by the ip verify reverse-path interface interface\_name command?

- A. uRPF
- B. TCP intercept
- C. botnet traffic filter
- D. scanning threat detection
- E. IPS (IP audit)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

corrected.

#### **QUESTION 67**

In one custom dynamic application, the inside client connects to an outside server using TCP port 4444 and negotiates return client traffic in the port range of 5000 to 5500. The server then starts streaming UDP data to the client on the negotiated port in the specified range. Which Cisco ASA feature or command supports this custom dynamic application?

- A. TCP normalizer
- B. TCP intercept
- C. ip verify command
- D. established command

E. tcp-map and tcp-options commands

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 68

On Cisco ASA Software Version 8.4.1 and later, when you configure the Cisco ASA appliance in transparent firewall mode, how is the Cisco ASA management IP address configured?

- A. using the IP address global configuration command
- B. using the IP address GigabitEthernet 0/x interface configuration command
- C. using the IP address BVI x interface configuration command
- D. using the bridge-group global configuration command
- E. using the bridge-group GigabitEthernet 0/x interface configuration command
- F. using the bridge-group BVI x interface configuration command

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 69

Refer to the exhibit.

```
object network inside-net
 subnet 192.168.1.0 255.255.255.0
object network osthosts
 subnet 10.10.1.0 255.255.255.0
```

Which additional Cisco ASA Software Version 8.3 NAT configuration is needed to meet the following requirements?

When any host in the 192.168.1.0/24 subnet behind the inside interface accesses any destinations in the 10.10.1.0/24 subnet behind the outside interface, PAT them to the outside interface. Do not change the destination IP in the packet.

- A. nat (inside,outside) source static inside-net interface destination static outhosts outhosts
- B. nat (inside,outside) source dynamic inside-net interface destination static outhosts outhosts
- C. nat (outside,inside) source dynamic inside-net interface destination static outhosts outhosts
- D. nat (outside,inside) source static inside-net interface destination static outhosts outhosts
- E. nat (any, any) source dynamic inside-net interface destination static outhosts outhosts
- F. nat (any, any) source static inside-net interface destination static outhosts outhosts

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Modified.

#### **QUESTION 70**

On Cisco ASA Software Version 8.3 and later, which two statements correctly describe the NAT table or NAT operations? (Choose two.)

- A. The NAT table has four sections.
- B. Manual NAT configurations are found in the first (top) and/or the last (bottom) section(s) of the NAT table.
- C. Auto NAT also is referred to as Object NAT.
- D. Auto NAT configurations are found only in the first (top) section of the NAT table.
- E. The order of the NAT entries in the NAT table is not relevant to how the packets are matched against the NAT table.
- F. Twice NAT is required for hosts on the inside to be accessible from the outside.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 71**

The Cisco ASA software image has been erased from flash memory. Which two statements about the process to recover the Cisco ASA software image are true? (Choose two.)

- A. Access to the ROM monitor mode is required.
- B. The Cisco ASA appliance must have connectivity to the TFTP server where the Cisco ASA image is stored through the Management 0/0 interface.
- C. The copy tftp flash command is necessary to start the TFTP file transfer.

- D. The server command is necessary to set the TFTP server IP address.
- E. Cisco ASA password recovery must be enabled.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Super valid.

#### **QUESTION 72**

For which purpose is the Cisco ASA CLI command `aaa authentication match` used?

- A. Enable authentication for SSH and Telnet connections to the Cisco ASA appliance.
- B. Enable authentication for console connections to the Cisco ASA appliance.
- C. Enable authentication for connections through the Cisco ASA appliance.
- D. Enable authentication for IPsec VPN connections to the Cisco ASA appliance.
- E. Enable authentication for SSL VPN connections to the Cisco ASA appliance.
- F. Enable authentication for Cisco ASDM connections to the Cisco ASA appliance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Still valid

#### **QUESTION 73**

Which option is one requirement before a Cisco ASA appliance can be upgraded from Cisco ASA Software Version 8.2 to 8.3?

- A. Remove all the pre 8.3 NAT configurations in the startup configuration.
- B. Upgrade the memory on the Cisco ASA appliance to meet the memory requirement of Cisco ASA Software Version 8.3.
- C. Request new Cisco ASA licenses to meet the 8.3 licensing requirement.
- D. Upgrade Cisco ASDM to version 6.2.
- E. Migrate interface ACL configurations to include interface and global ACLs.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 74**

Which Cisco ASA (8.4.1 and later) CLI command is the best command to use for troubleshooting SSH connectivity from the Cisco ASA appliance to the outside 192.168.1.1 server?

- A. telnet 192.168.1.1 22
- B. ssh -l username 192.168.1.1
- C. traceroute 192.168.1.1 22
- D. ping tcp 192.168.1.1 22
- E. packet-tracer input inside tcp 10.0.1.1 2043 192.168.4.1 ssh

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 75**

What is the default behavior of NAT control on Cisco ASA Software Version 8.3?

- A. NAT control has been deprecated on Cisco ASA Software Version 8.3.
- B. It will prevent traffic from traversing from one enclave to the next without proper access configuration.
- C. It will allow traffic to traverse from one enclave to the next without proper access configuration.
- D. It will deny all traffic.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 76**

Which three options are hardening techniques for Cisco IOS routers? (Choose three.)

- A. limiting access to infrastructure with access control lists
- B. enabling service password recovery

- C. using SSH whenever possible
- D. encrypting the service password
- E. using Telnet whenever possible
- F. enabling DHCP snooping

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 77**

The Cisco Email Security Appliance can be managed with both local and external users of different privilege levels. What three external modes of authentication are supported? (Choose three.)

- A. LDAP authentication
- B. RADIUS Authentication
- C. TACAS
- D. SSH host keys
- E. Common Access Card Authentication
- F. RSA Single use tokens

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 78**

Which three logging methods are supported by Cisco routers? (Choose three.)

- A. console logging
- B. TACACS+ logging
- C. terminal logging
- D. syslog logging
- E. ACL logging
- F. RADIUS logging

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 79**

Which three options are default settings for NTP parameters on a Cisco device? (Choose three.)

- A. NTP authentication is enabled.
- B. NTP authentication is disabled.
- C. NTP logging is enabled.
- D. NTP logging is disabled.
- E. NTP access is enabled.
- F. NTP access is disabled.

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 80**

Which two parameters must be configured before you enable SCP on a router? (Choose two.)

- A. SSH
- B. authorization
- C. ACLs
- D. NTP
- E. TACACS+

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Still valid.

**QUESTION 81**

A network engineer is troubleshooting and configures the ASA logging level to debugging. The logging-buffer is dominated by %ASA-6-305009 log messages. Which command suppresses those syslog messages while maintaining ability to troubleshoot?

- A. no logging buffered 305009
- B. message 305009 disable
- C. no message 305009 logging
- D. no logging message 305009

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 82**

Which option describes the purpose of the input parameter when you use the packet-tracer command on a Cisco device?

- A. to provide detailed packet-trace information
- B. to specify the source interface for the packet trace
- C. to display the trace capture in XML format
- D. to specify the protocol type for the packet trace

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 83**

Which log level provides the most detail on the Cisco Web Security Appliance?

- A. Debug
- B. Critical
- C. Trace
- D. Informational

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 84**

What is the lowest combination of ASA model and license providing 1 Gigabit Ethernet interfaces?

- A. ASA 5505 with failover license option
- B. ASA 5510 Security+ license option
- C. ASA 5520 with any license option
- D. ASA 5540 with AnyConnect Essentials License option

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 85**

Which statement describes the correct steps to enable Botnet Traffic Filtering on a Cisco ASA version 9.0 transparent-mode firewall with an active Botnet Traffic Filtering license?

- A. Enable DNS snooping, traffic classification, and actions.
- B. Botnet Traffic Filtering is not supported in transparent mode.
- C. Enable the use of the dynamic database, enable DNS snooping, traffic classification, and actions.
- D. Enable the use of dynamic database, enable traffic classification and actions.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 86**

Which Cisco switch technology prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast flood on a port?

- A. port security
- B. storm control
- C. dynamic ARP inspection
- D. BPDU guard
- E. root guard
- F. dot1x

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 87**

You are a security engineer at a large multinational retailer. Your Chief Information Officer recently attended a security conference and has asked you to secure the network infrastructure from VLAN hopping.

Which statement describes how VLAN hopping can be avoided?

- A. There is no such thing as VLAN hopping because VLANs are completely isolated.
- B. VLAN hopping can be avoided by using IEEE 802.1X to dynamically assign the access VLAN to all endpoints and setting the default access VLAN to an unused VLAN ID.
- C. VLAN hopping is avoided by configuring the native (untagged) VLAN on both sides of an ISL trunk to an unused VLAN ID.
- D. VLAN hopping is avoided by configuring the native (untagged) VLAN on both sides of an IEEE 802.1Q trunk to an unused VLAN ID.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 88**

Which configuration keyword will configure SNMPv3 with authentication but no encryption?

- A. Auth
- B. Priv
- C. No auth
- D. Auth priv

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 89**

In IOS routers, what configuration can ensure both prevention of ntp spoofing and accurate time ensured?

- A. ACL permitting udp 123 from ntp server
- B. ntp authentication
- C. multiple ntp servers
- D. local system clock

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 90**

Which product can manage licenses, updates, and a single signature policy for 15 separate IPS appliances?

- A. Cisco Security Manager
- B. Cisco IPS Manager Express
- C. Cisco IPS Device Manager
- D. Cisco Adaptive Security Device Manager

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 91**

Which three statements about private VLANs are true? (Choose three.)

- A. Isolated ports can talk to promiscuous and community ports.
- B. Promiscuous ports can talk to isolated and community ports.
- C. Private VLANs run over VLAN Trunking Protocol in client mode.
- D. Private VLANs run over VLAN Trunking Protocol in transparent mode.
- E. Community ports can talk to each other as well as the promiscuous port.
- F. Primary, secondary, and tertiary VLANs are required for private VLAN implementation.

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 92**

Which command is used to nest objects in a pre-existing group?

- A. object-group
- B. network group-object
- C. object-group network
- D. group-object

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 93**

According to Cisco best practices, which two interface configuration commands help prevent VLAN hopping attacks? (Choose two.)

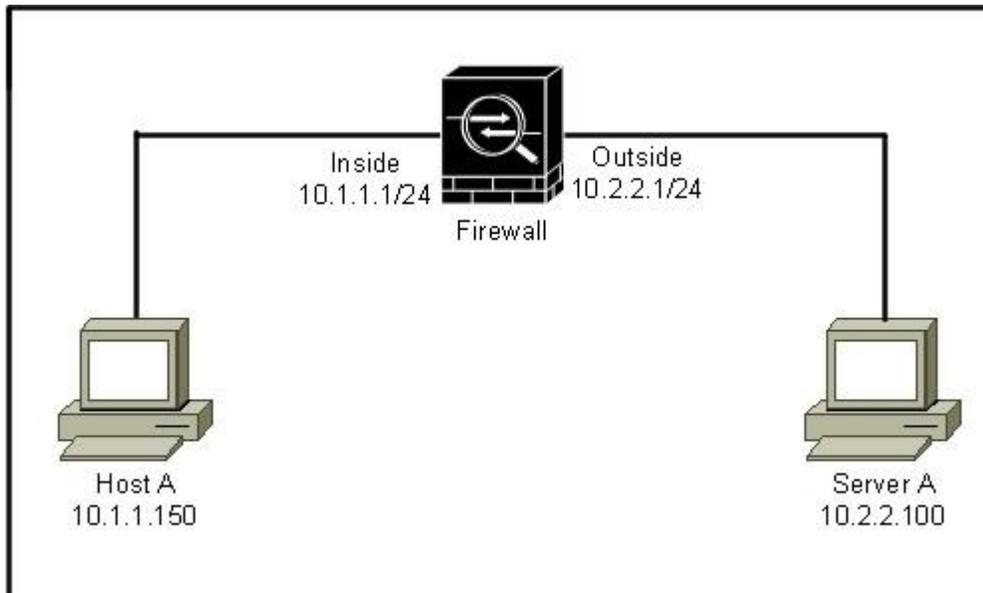
- A. switchport mode access
- B. switchport access vlan 2
- C. switchport mode trunk
- D. switchport access vlan 1
- E. switchport trunk native vlan 1
- F. switchport protected

**Correct Answer:** AB  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 94**

Refer to the exhibit.



Server A is a busy server that offers these services:

- World Wide Web
- DNS

Which command captures http traffic from Host A to Server A?

- A. capture traffic match udp host 10.1.1.150 host 10.2.2.100
- B. capture traffic match 80 host 10.1.1.150 host 10.2.2.100
- C. capture traffic match ip 10.2.2.0 255.255.255.192 host 10.1.1.150
- D. capture traffic match tcp host 10.1.1.150 host 10.2.2.100
- E. capture traffic match tcp host 10.2.2.100 host 10.1.1.150 eq 80

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 95**

Your company is replacing a high-availability pair of Cisco ASA 5550 firewalls with the newer Cisco ASA 5555-X models. Due to budget constraints, one Cisco ASA 5550 will be replaced at a time.

Which statement about the minimum requirements to set up stateful failover between these two firewalls is true?

- A. You must install the USB failover cable between the two Cisco ASAs and provide a 1 Gigabit Ethernet interface for state exchange.
- B. It is not possible to use failover between different Cisco ASA models.
- C. You must have at least 1 Gigabit Ethernet interface between the two Cisco ASAs for state exchange.
- D. You must use two dedicated interfaces. One link is dedicated to state exchange and the other link is for heartbeats.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 96**

In which two modes is zone-based firewall high availability available? (Choose two.)

- A. IPv4 only
- B. IPv6 only
- C. IPv4 and IPv6
- D. routed mode only
- E. transparent mode only
- F. both transparent and routed modes

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 97**

What are two reasons to implement Cisco IOS MPLS Bandwidth-Assured Layer 2 Services? (Choose two.)

- A. guaranteed bandwidth and peak rates as well as low cycle periods, regardless of which systems access the device
- B. increased resiliency through MPLS FRR for AToM circuits and better bandwidth utilization through MPLS TE
- C. enabled services over an IP/MPLS infrastructure, for enhanced MPLS Layer 2 functionality
- D. provided complete proactive protection against frame and device spoofing

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 98**

What is the maximum jumbo frame size for IPS standalone appliances with 1G and 10G fixed or add-on interfaces?

- A. 1024 bytes
- B. 1518 bytes
- C. 2156 bytes
- D. 9216 bytes

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 99**

To which interface on a Cisco ASA 1000V firewall should a security profile be applied when a VM sits behind it?

- A. outside
- B. inside
- C. management
- D. DMZ

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 100**

By default, which traffic can pass through a Cisco ASA that is operating in transparent mode without explicitly allowing it using an ACL?

- A. ARP
- B. BPDU
- C. CDP
- D. OSPF multicasts
- E. DHCP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is updated.

**QUESTION 101**

By default, how does the Cisco ASA authenticate itself to the Cisco ASDM users?

- A. The administrator validates the Cisco ASA by examining the factory built-in identity certificate thumbprint of the Cisco ASA.
- B. The Cisco ASA automatically creates and uses a persistent self-signed X.509 certificate to authenticate itself to the administrator.
- C. The Cisco ASA automatically creates a self-signed X.509 certificate on each reboot to authenticate itself to the administrator.
- D. The Cisco ASA and the administrator use a mutual password to authenticate each other.
- E. The Cisco ASA authenticates itself to the administrator using a one-time password.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 102**

Refer to the exhibit.

```
ciscoasa(config)# ntp authenticate
ciscoasa(config)# ntp authentication-key 2 md5 secret
ciscoasa(config)# ntp trusted-key 2
ciscoasa(config)# ntp server 192.168.1.1
```

Which reason explains why the Cisco ASA appliance cannot establish an authenticated NTP session to the inside 192.168.1.1 NTP server?

- A. The ntp server 192.168.1.1 command is incomplete.
- B. The ntp source inside command is missing.
- C. The ntp access-group peer command and the ACL to permit 192.168.1.1 are missing.
- D. The trusted-key number should be 1 not 2.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Corrected.

**QUESTION 103**

Which Cisco ASA CLI command is used to enable HTTPS (Cisco ASDM) access from any inside host on the 10.1.16.0/20 subnet?

- A. http 10.1.16.0 0.0.0.0 inside
- B. http 10.1.16.0 0.0.15.255 inside
- C. http 10.1.16.0 255.255.240.0 inside
- D. http 10.1.16.0 255.255.255.255

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 104**

Which statement about Cisco ASA multicast routing support is true?

- A. The Cisco ASA appliance supports PIM dense mode, sparse mode, and BIDIR-PIM.
- B. The Cisco ASA appliance supports only stub multicast routing by forwarding IGMP messages from multicast receivers to the upstream multicast router.
- C. The Cisco ASA appliance supports DVMRP and PIM.
- D. The Cisco ASA appliance supports either stub multicast routing or PIM, but both cannot be enabled at the same time.
- E. The Cisco ASA appliance supports only IGMP v1.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Super valid.

**QUESTION 105**

Refer to the exhibit.

```
S 10.2.2.0 255.255.255.0 [1/0] via 172.16.1.10, dmz
S 10.3.3.0 255.255.255.0 [2/0] via 172.16.1.11, dmz
```

Which Cisco ASA CLI commands configure these static routes in the Cisco ASA routing table?

- A. **route dmz 10.2.2.0 0.0.0.255 172.16.1.10**  
**route dmz 10.3.3.0 0.0.0.255 172.16.1.11**
- B. **route dmz 10.2.2.0 0.0.0.255 172.16.1.10 1**  
**route dmz 10.3.3.0 0.0.0.255 172.16.1.11 1**
- C. **route dmz 10.2.2.0 0.0.0.255 172.16.1.10**  
**route dmz 10.3.3.0 0.0.0.255 172.16.1.11 2**
- D. **route dmz 10.2.2.0 255.255.255.0 172.16.1.10**  
**route dmz 10.3.3.0 255.255.255.0 172.16.1.11**
- E. **route dmz 10.2.2.0 255.255.255.0 172.16.1.10 1**  
**route dmz 10.3.3.0 255.255.255.0 172.16.1.11 1**
- F. **route dmz 10.2.2.0 255.255.255.0 172.16.1.10**  
**route dmz 10.3.3.0 255.255.255.0 172.16.1.11 2**

**Correct Answer:** F

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 106**

Which statement about static or default route on the Cisco ASA appliance is true?

- A. The admin distance is 1 by default.
- B. From the show route output, the [120/3] indicates an admin distance of 3.
- C. A default route is specified using the 0.0.0.0 255.255.255.255 address/mask combination.
- D. The tunneled command option is used to enable route tracking.
- E. The interface-name parameter in the route command is an optional parameter if the static route points to the next-hop router IP address.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is updated.

#### **QUESTION 107**

Which configuration step is the first to enable PIM-SM on the Cisco ASA appliance?

- A. Configure the static RP IP address.
- B. Enable IGMP forwarding on the required interface(s).
- C. Add the required static mroute(s).
- D. Enable multicast routing globally on the Cisco ASA appliance.
- E. Configure the Cisco ASA appliance to join the required multicast groups.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 108**

On the Cisco ASA, tcp-map can be applied to a traffic class using which MPF CLI configuration command?

- A. inspect
- B. sysopt connection
- C. tcp-options
- D. parameters
- E. set connection advanced-options

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 109**

Refer to the exhibit.

```
class-map http
  match port tcp eq 21
class-map ftp
  match port tcp eq 21
policy-map test
  class http
    inspect http
  class ftp
    inspect ftp
```

Which statement about the policy map named test is true?

- A. Only HTTP inspection will be applied to the TCP port 21 traffic.
- B. Only FTP inspection will be applied to the TCP port 21 traffic.
- C. both HTTP and FTP inspections will be applied to the TCP port 21 traffic.
- D. No inspection will be applied to the TCP port 21 traffic, because the http class map configuration conflicts with the ftp class map.
- E. All FTP traffic will be denied, because the FTP traffic will fail the HTTP inspection.

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 110**

Which threat-detection feature is used to keep track of suspected attackers who create connections to too many hosts or ports?

- A. complex threat detection
- B. scanning threat detection
- C. basic threat detection
- D. advanced threat detection

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 111**

What is the default behavior of an access list on the Cisco ASA security appliance?

- A. It will permit or deny traffic based on the access-list criteria.
- B. It will permit or deny all traffic on a specified interface.
- C. An access group must be configured before the access list will take effect for traffic control.
- D. It will allow all traffic.

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 112**

Which URL matches the regex statement "http\*/"www.cisco.com/"\*[^E]"xe"?

- A. https://www.cisco.com/ftp/ios/tftpsrvr.exe

- B. <https://cisco.com/ftp/ios/tftpserver.exe>
- C. <http://www.cisco.com/ftp/ios/tftpserver.Exe>
- D. <https://www.cisco.com/ftp/ios/tftpserver.EXE>

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 113**

Which two statements about Cisco IOS Firewall are true? (Choose two.)

- A. It provides stateful packet inspection.
- B. It provides faster processing of packets than Cisco ASA devices provide.
- C. It provides protocol-conformance checks against traffic.
- D. It eliminates the need to secure routers and switches throughout the network.
- E. It eliminates the need to secure host machines throughout the network.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 114**

When a Cisco ASA is configured in multicontext mode, which command is used to change between contexts?

- A. `changeto config context`
- B. `changeto context`
- C. `changeto/config context change`
- D. `changeto/config context 2`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 115**

Which statement about the Cisco Security Manager 4.4 NAT Rediscovery feature is true?

- A. It provides NAT policies to existing clients that connect from a new switch port.
- B. It can update shared policies even when the NAT server is offline.
- C. It enables NAT policy discovery as it updates shared policies.
- D. It enables NAT policy rediscovery while leaving existing shared policies unchanged.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 116**

When you install a Cisco ASA AIP-SSM, which statement about the main Cisco ASDM home page is true?

- A. It is replaced by the Cisco AIP-SSM home page.
- B. It must reconnect to the NAT policies database.
- C. The administrator can manually update the page.
- D. It displays a new Intrusion Prevention panel.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 117**

Which Cisco product provides a GUI-based device management tool to configure Cisco access routers?

- A. Cisco ASDM
- B. Cisco CP Express
- C. Cisco ASA 5500
- D. Cisco CP

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 118**

Which statement about Cisco IPS Manager Express is true?

- A. It provides basic device management for large-scale deployments.
- B. It provides a GUI for configuring IPS sensors and security modules.
- C. It enables communication with Cisco ASA devices that have no administrative access.
- D. It provides greater security than simple ACLs.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Answer is modified.

#### **QUESTION 119**

Which three options describe how SNMPv3 traps can be securely configured to be sent by IOS? (Choose three.)

- A. An SNMPv3 group is defined to configure the read and write views of the group.
- B. An SNMPv3 user is assigned to SNMPv3 group and defines the encryption and authentication credentials.
- C. An SNMPv3 host is configured to define where the SNMPv3 traps will be sent.
- D. An SNMPv3 host is used to configure the encryption and authentication credentials for SNMPv3 traps.
- E. An SNMPv3 view is defined to configure the address of where the traps will be sent.
- F. An SNMPv3 group is used to configure the OIDs that will be reported.

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 120**

When you set a Cisco IOS Router as an SSH server, which command specifies the RSA public key of the remote peer when you set the SSH server to perform RSA-based authentication?

- A. `router(config-ssh-pubkey-user)#key`
- B. `router(conf-ssh-pubkey-user)#key-string`
- C. `router(config-ssh-pubkey)#key-string`
- D. `router(conf-ssh-pubkey-user)#key-string enable ssh`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**