



# 642-618<sup>Q&As</sup>

Deploying Cisco ASA Firewall Solutions (FIREWALL v2.0)

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**QUESTION 1**

By default, not all services in the default inspection class are inspected. Which Cisco ASA CLI command do you use to determine which inspect actions are applied to the default inspection class?

- A. show policy-map global\_policy
- B. show policy-map inspection\_default
- C. show class-map inspection\_default
- D. show class-map default-inspection-traffic
- E. show service-policy global

Correct Answer: E

<http://www.cisco.com/en/US/docs/security/asa/asa81/command/ref/s7.html#wp1254424>

**show service-policy**

To display the service policy statistics, use the **show service-policy** command in privileged EXEC mode.

**show service-policy** [global | interface *intf*] [csc | inspect | ips | police | priority | shape]

**show service-policy** [global | interface *intf*] [set connection [details]]

**show service-policy** [global | interface *intf*] [flow protocol {host *src\_host* | *src\_ip* *src\_mask*} [eq *src\_port*] {host *dest\_host* | *dest\_ip* *dest\_mask*} [eq *dest*

**Syntax Description**

<b>csc</b>	(Optional) Limits the output to policies that include the <b>csc</b> command.
<b>dest_ip dest_mask</b>	The destination IP address and netmask of the traffic flow.
<b>details</b>	(Optional) Displays per-client connection information, if a per-client connection limit is enabled.
<b>eq dest_port</b>	(Optional) The equals operator, requiring the destination port to match the port number that follows.
<b>eq src_port</b>	(Optional) The equals operator, requiring the source port to match the port number that follows.
<b>flow protocol</b>	(Optional) Specifies a traffic flow for which you want to see the policies that the security appliance would apply to the flow. The arguments <b>flow</b> keyword specify the flow in ip-5-tuple format. Valid values for the <i>protocol</i> argument are listed in the "Usage Guidelines" section.
<b>global</b>	(Optional) Limits output to the global policy, which applies to all interfaces.
<b>host dest_host</b>	The host destination IP address of the traffic flow.
<b>host src_host</b>	The host source IP address of the traffic flow.
<b>icmp_control_message</b>	(Optional) Specifies an ICMP control message of the traffic flow. Valid values for the <i>icmp_control_message</i> argument are listed in the section below.
<b>icmp_number</b>	(Optional) Specifies the ICMP protocol number of the traffic flow.
<b>inspect</b>	(Optional) Limits the output to policies that include an <b>inspect</b> command.
<b>interface intf</b>	(Optional) Displays policies applied to the interface specified by the <i>intf</i> argument, where <i>intf</i> is the interface name given by the <b>name</b> command.
<b>ips</b>	Limits output to policies that include the <b>ips</b> command.
<b>police</b>	Limits output to policies that include the <b>police</b> command.



**QUESTION 2**



The Cisco ASA must support dynamic routing and terminating VPN traffic. Which three Cisco ASA options will not support these requirements? (Choose three.)

- A. transparent mode
- B. multiple context mode
- C. active/standby failover mode
- D. active/active failover mode
- E. routed mode
- F. no NAT-control

Correct Answer: ABD

Dynamic routing (OSPF and RIP (in passive mode)) is supported by routed firewall. Dynamic routing is NOT supported in Transparent UNLESS you can allow dynamic routing protocols through the ASA using an extended access list  
Dynamic routing is NOT supported in Multiple context mode

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### QUESTION 3

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

<http://www.cisco.com/en/US/docs/security/asa/asa84/command/reference/i3.html#wp1898863>



## Command History

Release	Modification
7.0(1)	For routed mode, this command was changed from a global configuration command to an interface configuration mode command.
8.4(1)	For transparent mode, bridge groups were introduced. You now set the IP address for the BVI, and not globally.

## Usage Guidelines

In single context routed firewall mode, each interface address must be on a unique subnet. In multiple context mode, if this interface is on a shared interface, then each IP address must be unique but on the same subnet. If the interface is unique, this IP address can be used by other contexts if desired.

A transparent firewall does not participate in IP routing. The only IP configuration required for the ASA is to set the BVI address. This address is required because the ASA uses this address as the source address for traffic originating on the ASA, such as system messages or communications with AAA servers. You can also use this address for remote management access. This address must be on the same subnet as the upstream and downstream routers. For multiple context mode, set the management IP address within each context. For models that include a Management interface, you can also set an IP address for this interface for management purposes.

The standby IP address must be on the same subnet as the main IP address.

## Examples

The following example sets the IP addresses and standby addresses of two interfaces:

```
hostname(config)# interface gigabitethernet0/2
hostname(config-if)# nameif inside
hostname(config-if)# security-level 100
hostname(config-if)# ip address 10.1.1.1 255.255.255.0 standby 10.1.1.2
hostname(config-if)# no shutdown
hostname(config-if)# interface gigabitethernet0/3
hostname(config-if)# nameif outside
hostname(config-if)# security-level 0
hostname(config-if)# ip address 10.1.2.1 255.255.255.0 standby 10.1.2.2
hostname(config-if)# no shutdown
```

The following example sets the management address and standby address of bridge group 1:

```
hostname(config)# interface bvi 1
hostname(config-if)# ip address 10.1.3.1 255.255.255.0 standby 10.1.3.2
```



## QUESTION 4

On which type of encrypted traffic can a Cisco ASA appliance running software version 8.4.1 perform application inspection and control?

- A. IPsec
- B. SSL
- C. IPsec or SSL



D. Cisco Unified Communications

E. Secure FTP

Correct Answer: D

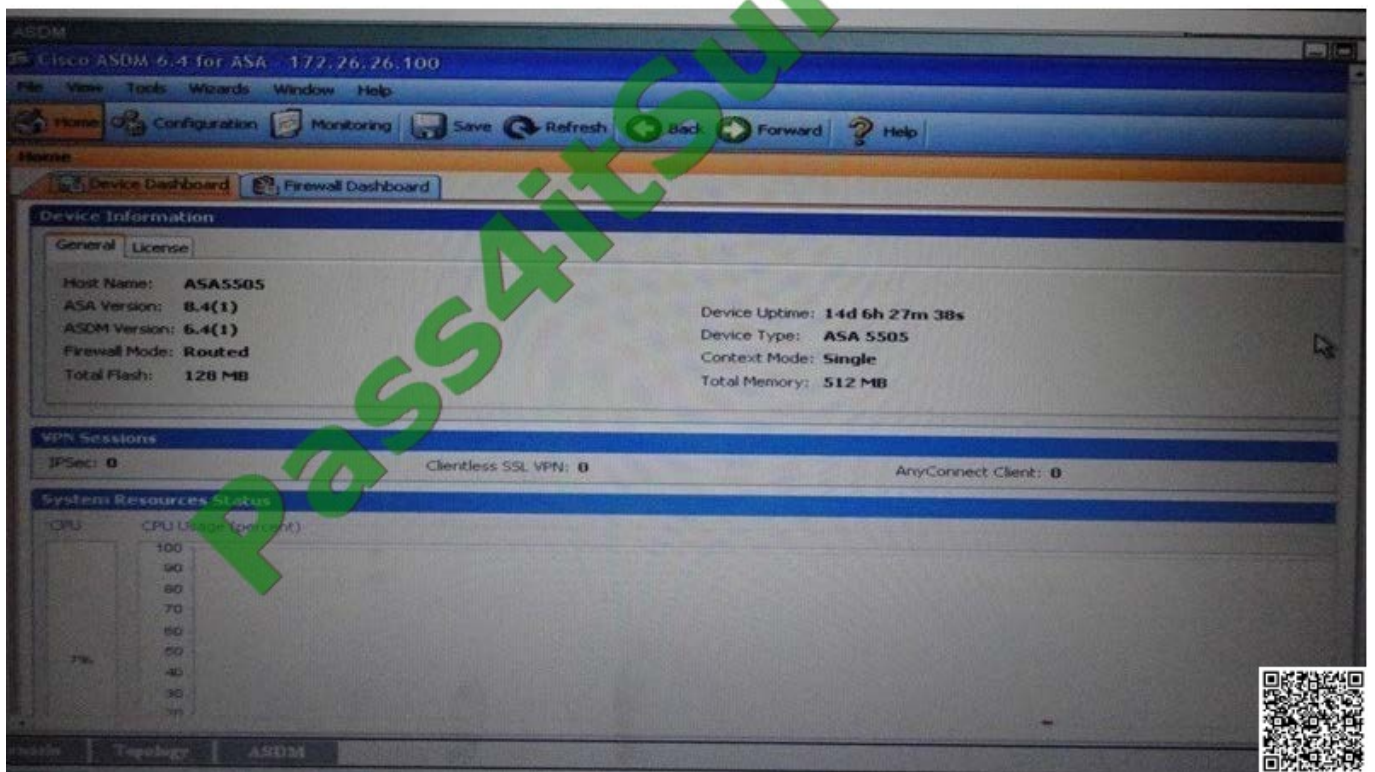
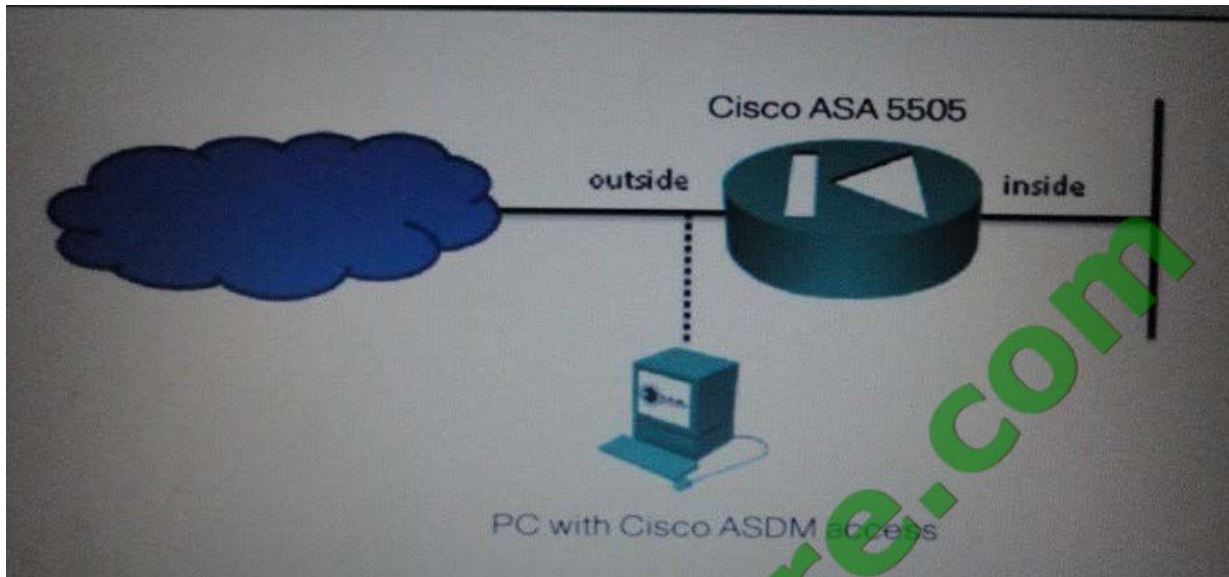
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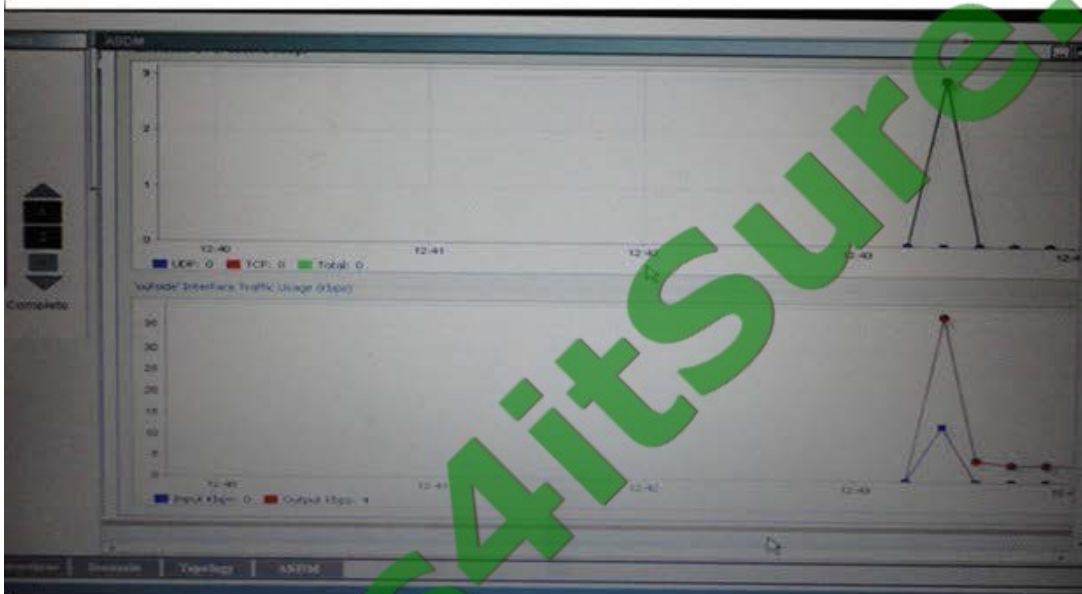
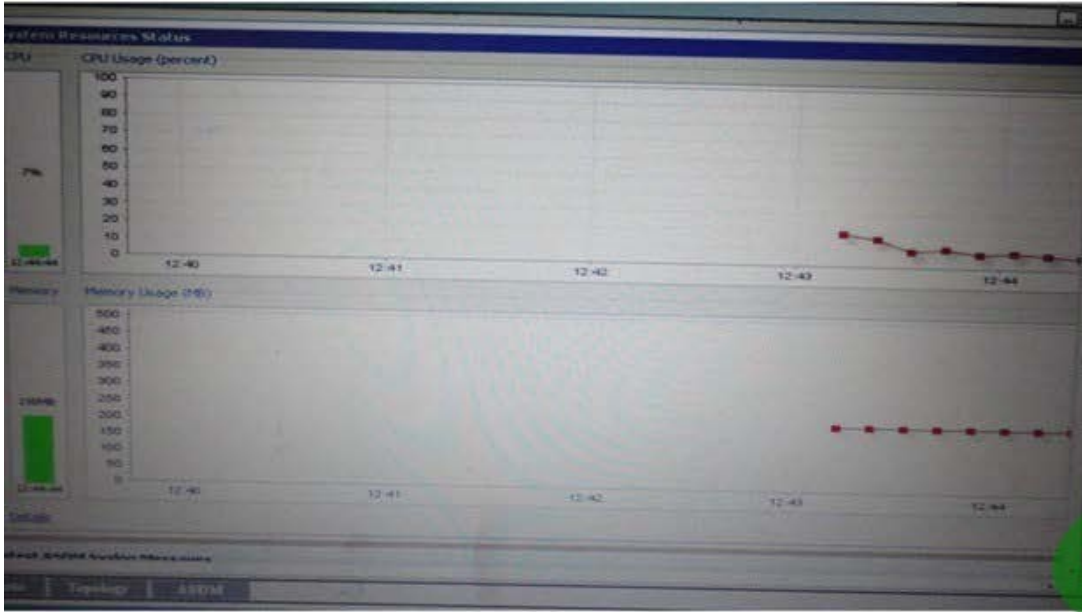
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### QUESTION 5

Scenario: To access Cisco ASDM, click the PC icon in the Topology window, ASDM and answer the following question as:









Which two statements about the running configuration of the Cisco ASA are true? (Choose Two)

- A. The auto NAT configuration causes all traffic arriving on the inside interface destined to any outside destinations to be translated with dynamic port address transmission using the outside interface IP address.
- B. The Cisco ASA is using the Cisco ASDM image from disk1:/asdm-642.bin
- C. The Cisco ASA is setup as the DHCP server for hosts that are on the inside and outside interfaces.
- D. SSH and Cisco ASDM access to the Cisco ASA requires AAA authentication using the LOCAL user database.
- E. The Cisco ASA is using a persistent self-signed certified so users can authenticate the Cisco ASA when accessing it via ASDM

Correct Answer: AE

Have to check each and every setting -- expect different results for different exams





Cisco ASDM 6.3 for ASA - Demo mode

File View Tools Wizards Window Help Look For: NAT control

Home Configuration Monitoring Save Refresh Back Forward Help

Firewall Configuration > Firewall > NAT Rules

Match Criteria: Original Packet      Action: Translated Packet

#	Source Intf	Dest Intf	Source	Destination	Service	Source	Destination	Service	
	inside	partner-dmz	All-Inside-Sub...	Partner-inte...	any	-- Original --	-- Original --	-- Original --	
	partner-dmz	inside	Partner-inte...	All-Inside-Sub...	any	-- Original --	-- Original --	-- Original --	
Network Object NAT (Rules 2-6)									
	inside	outside	obj-10.1.1.10	any	any	100.1.1.100 (S)	-- Original --	-- Original --	
	outside	inside	any	100.1.1.100	any	-- Original --	obj-10.1.1.10	-- Original --	
	dmz	outside	WWW_Server	any	any	198.52.1.50 (S)	-- Original --	-- Original --	
	outside	dmz	any	198.52.1.50	any	-- Original --	WWW_Server	-- Original --	
	dmz	outside	obj-12.1.1.1	any	any	171.1.1.1 (S)	-- Original --	-- Original --	
	outside	dmz	any	171.1.1.1	any	-- Original --	obj-12.1.1.1	-- Original --	
	dmz	outside	obj-172.16...	any	any	obj-198.52.5...	-- Original --	-- Original --	
	inside	outside	finance-net...	any	any	obj-198.52.5...	-- Original --	-- Original --	

Diagram: All-Inside-Subnets 192.168.0.0/16 | Inside | Partner-dmz | Partner-internal-subnets

Apply    Reset





The screenshot shows the Cisco ASDM 6.3 for ASA - Demo mode interface. The left sidebar displays the 'Device Management' tree with 'CA Certificates' selected. The main window is titled 'Configuration > Device Management > Certificate Management > CA Certificates'. It features a table with columns: 'Issued To', 'Issued By', 'Expiry Date', 'Associated Trustpoints', and 'Usage'. To the right of the table are buttons for 'Add', 'Edit', 'Show Details', 'Request CPL', and 'Delete'. Below the table are 'Apply' and 'Reset' buttons. A large green watermark 'Pass4itSure.com' is overlaid diagonally across the image.

The screenshot shows the Cisco ASDM 6.3 for ASA - Demo mode interface. The left sidebar displays the 'Device Management' tree with 'DHCP Server' selected. The main window is titled 'Configuration > Device Management > DHCP > DHCP Server'. It features a table with columns: 'Interface', 'DHCP Enabled', 'Address Pool', 'DNS Servers', 'WINS Servers', 'Domain Name', 'Ping Timeout', 'Lease Length', 'Auto Interface', 'VPN Override', and 'Opt'. Below the table are 'Global DHCP Options' and 'Dynamic DNS Settings for DHCP Server' sections. A large green watermark 'Pass4itSure.com' is overlaid diagonally across the image.

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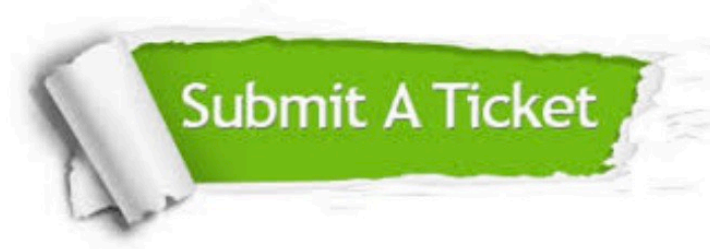
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