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

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Deploying Cisco ASA Firewall Solutions (FIREWALL v2.0)

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**QUESTION 1**

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

http://www.cisco.com/en/US/docs/security/asa/asa82/configuration/guide/route_multicast.html# wp1060775

Enabling Multicast Routing Enabling multicast routing lets the ASA forward multicast packets. Enabling multicast routing automatically enables PIM and IGMP on all interfaces.

To enable multicast routing, perform the following step:

| Command | Purpose |
| --- | --- |
| multicast-routing<br><br>Example:<br><br>hostname(config)# multicast-routing | This step enables multicast routing.<br><br>The number of entries in the multicast routing tables are limited by the amount of RAM on the system. |

**QUESTION 2**

When the Cisco ASA appliance is processing packets, which action is performed first?

A. Check if the packet is permitted or denied by the inbound interface ACL.

B. Check if the packet is permitted or denied by the outbound interface ACL.

C. Check if the packet is permitted or denied by the global ACL.

D. Check if the packet matches an existing connection in the connection table.

E. Check if the packet matches an inspection policy.

F. Check if the packet matches a NAT rule.

Correct Answer: D

http://www.cisco.com/en/US/products/ps6120/products_tech_note09186a0080ba9d00.shtml

**QUESTION 3**

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

http://www.cisco.com/en/US/docs/security/asa/asa82/configuration/guide/route_multicast.html# wp1060775

Multicast routing is a bandwidth-conserving technology that reduces traffic by simultaneously delivering a single stream of information to thousands of corporate recipients and homes. Applications that take advantage of multicast routing include videoconferencing, corporate communications, distance learning, and distribution of software, stock quotes, and news. Multicast routing protocols delivers source traffic to multiple receivers without adding any additional burden on the source or the receivers while using the least network bandwidth of any competing technology. Multicast packets are replicated in the network by Cisco routers enabled with Protocol Independent Multicast (PIM) and other supporting multicast protocols resulting in the most efficient delivery of data to multiple receivers possible. The ASA supports both stub multicast routing and PIM multicast routing. However, you cannot configure both concurrently on a single ASA.

**QUESTION 4**

Refer to the exhibit.

Which two statements about the class maps are true? (Choose two.)

A. These class maps are referenced within the global policy by default for HTTP inspection.

B. These class maps are all type inspect http class maps.

C. These class maps classify traffic using regular expressions.

D. These class maps are Layer 3/4 class maps.

E. These class maps are used within the inspection_default class map for matching the default inspection traffic.

Correct Answer: BC


QUESTION 5

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

http://www.cisco.com/en/US/docs/security/asa/asa82/configuration/guide/fwmode.html#wp1214 MAC Address vs. Route Lookups

When the ASA runs in transparent mode, the outgoing interface of a packet is determined by performing a MAC address lookup instead of a route lookup. Route lookups, however, are necessary for the following traffic types:

-Traffic originating on the ASA--For example, if your syslog server is located on a remote network, you must use a static route so the ASA can reach that subnet.

-Voice over IP (VoIP) traffic with inspection enabled, and the endpoint is at least one hop away from the ASA-For example, if you use the transparent firewall between a CCM and an H.323 gateway, and there is a router between the transparent firewall and the H.323 gateway, then you need to add a static route on the ASA for the H.323 gateway for

successful call completion.

-VoIP or DNS traffic with NAT and inspection enabled--To successfully translate the IP address inside VoIP and DNS packets, the ASA needs to perform a route lookup. Unless the host is on a directly-connected network, then you need to

add a static route on the ASA for the real host address that is embedded in the packet.

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