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Deploying Cisco ASA Firewall Solutions (FIREWALL v2.0)

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QUESTION 1

On Cisco ASA Software Version 8.4 and later, which two options show the maximum number of active and standby ports that an EtherChannel can have? (Choose two.)

A. 2 active ports

B. 4 active ports

C. 6 active ports

D. 8 active ports

E. 2 standby ports

F. 4 standby ports

G. 6 standby ports

H. 8 standby ports

Correct Answer: DH

http://www.cisco.com/en/US/docs/security/asa/asa84/asdm64/configuration_guide/interface_star t.pdf

Channel Group Interfaces

Each channel group can have eight active interfaces. Note that you can assign up to 16 interfaces to a channel group. While only eight interfaces can be active, the remaining interfaces can act as standby links in case of interface failure.

All interfaces in the channel group must be the same type and speed. The first interface added to the channel group determines the correct type and speed.

The EtherChannel aggregates the traffic across all the available active interfaces in the channel. The port is selected using a proprietary hash algorithm, based on source or destination MAC addresses, IP addresses, TCP and UDP port

numbers and vlan numbers

QUESTION 2

Which three types of class maps can be configured on the Cisco ASA appliance? (Choose three.)

A. control-plane

B. regex

C. inspect

D. access-control

E. management

F. stack

Correct Answer: BCE

http://www.cisco.com/en/US/docs/security/asa/asa80/configuration/guide/mpc.html

Maximum Class Maps The maximum number of class maps of all types is 255 in single mode or per context in multiple mode. Class maps include the following types:

-Layer 3/4 class maps (for through traffic and management traffic -Inspection class maps -Regular expression class maps

QUESTION 3

On Cisco ASA Software Version 8.4.1 and later, when you configure the Cisco ASA appliance in transparent firewall mode, which configuration is mandatory?

A. NAT

B. static routes

C. ARP inspections

D. EtherType access-list

E. bridge group(s)

F. dynamic MAC address learning

Correct Answer: E

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
```

QUESTION 4

When enabling a Cisco ASA to send syslog messages to a syslog server, which syslog level will produce the most messages?

A. notifications

B. informational

C. alerts

D. emergencies

E. errors

F. debugging

Correct Answer: F

QUESTION 5

Refer to the partial Cisco ASA configuration and the network topology shown in the exhibit.

Which two Cisco ASA configuration commands are required so that any hosts on the Internet can HTTP to the WEBSERVER using the 192.168.1.100 IP address? (Choose two.)

A. nat (inside,outside) static 192.168.1.100

B. nat (inside,outside) static 172.31.0.100

C. nat (inside,outside) static interface

D. access-list outside_access_in extended permit tcp any object 172.31.0.100 eq http

E. access-list outside_access_in extended permit tcp any object 192.168.1.100 eq http

F. access-list outside_access_in extended permit tcp any object 192.168.1.1 eq http

Correct Answer: AD

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