

## 400-251 - CCIE Security Written Exam

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1.. According to RFC 4890, which three message must be dropped at the transit firewall/router?(Choose three.)

- A. Router Renumbering(Type 138)
- B. Node Information Query(Type 139)
- C. Router Solicitation(Type 133)
- D. Node information Response(Type 134)
- E. Router Advertisement(Type 134)
- F. Neighbor Solicitaion(Type 135)

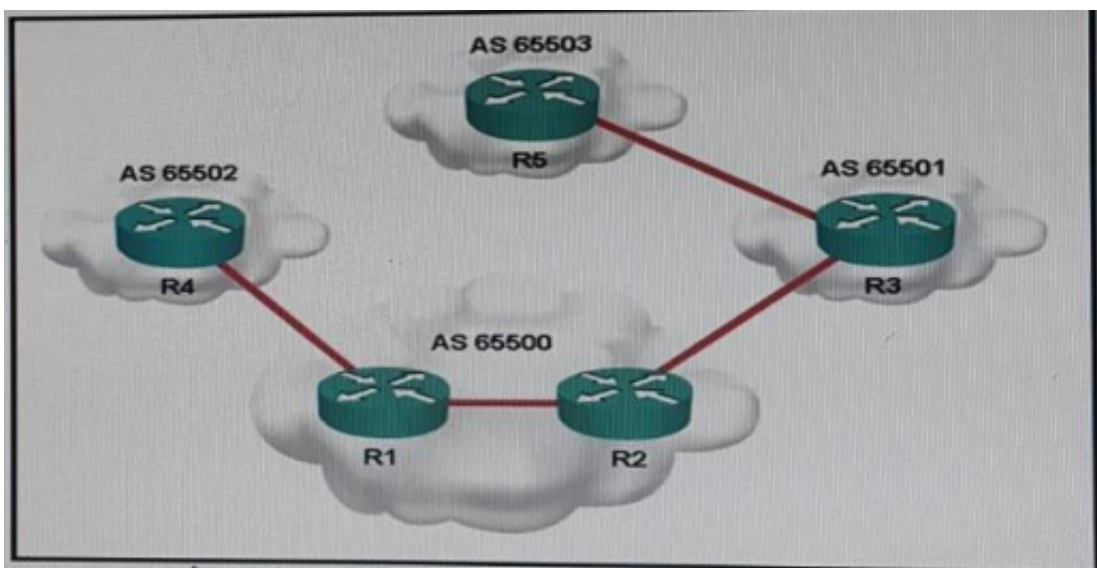
**Answer:** A,B,D

2. Which Two statement about the PCoIP protocol are true? (Choose two)

- A. It support both loss and lossless compression
- B. It is a client-rendered, multicast-codec protocol.
- C. It is available in both software and hardware.
- D. It is a TCP-based protocol.
- E. It uses a variety of codec to support different operating system.

**Answer:** A,C

3. Refer to the exhibit

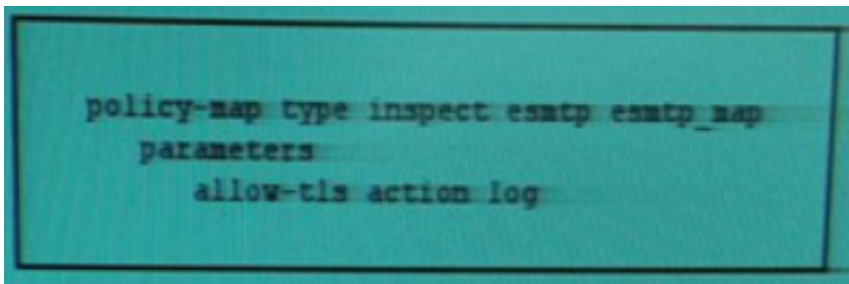


Which as-path access-list regular expression should be applied on R2 as a neighbor filter list to only allow update with and origin of AS 65503?

- A. \_65509.?\$
- B. \_65503\$
- C. ^65503.\*
- D. ^65503\$
- E. \_65503\_
- F. 65503

**Answer: C**

4. Refer to the exhibit.



Which effect of this Cisco ASA policy map is true?

- A. The Cisco ASA is unable to examine the TLS session.
- B. The server ends the SMTP session with a QUIT command if the algorithm or key length is insufficiently secure.
- C. it prevents a STARTTLS session from being established.
- D. The Cisco ASA logs SMTP sessions in clear text.

**Answer: B**

5. Which three statements about the keying methods used by MAC Sec are true (Choose Three)

- A. MKA is implemented as an EAPoL packet exchange
- B. SAP is enabled by default for Cisco TrustSec in manual configuration mode.
- C. SAP is supported on SPAN destination ports
- D. Key management for host-to-switch and switch-to-switch MACSec sessions is provided by MKA

E. SAP is not supported on switch SVIs .

F. A valid mode for SAP is NULL

**Answer:** A,B,F

6. Which three statements about the Unicast RPF in strict mode and loose mode are true?(Choose three)

A. Loose mode requires the source address to be present in the routing table.

B. Inadvertent packet loss can occur when loose mode is used with asymmetrical routing.

C. Interfaces in strict mode drop traffic with return that point to the Null 0 Interface.

D. Strict mode requires a default route to be associated with the uplink network interface.

E. Strict mode is recommended on interfaces that will receive packets only from the same subnet to which is assigned.

F. Both loose and strict modes are configured globally on the router.

**Answer:** A,C,E

7. How does a wireless association flood attack create a DoS?

A. It sends a high-power RF pulse that can damage the internals of the AP

B. It spoofs disassociation frames from the access point.

C. It uses a brute force attack to crack the encryption.

D. It exhausts the access client association table.

**Answer:** D

8. What functionality does SXP provide to enhance security?

A. It supports secure communication between cisco ironport Cisco and Microsoft Exchange.

B. It supports Cisco's trustsec solution by transporting information over network that are unable to support SGT propagation.

C. It support secure communications between cisco ironport and cloud-based email servers.

D. It support cisco's trustsec implementation on virtual machines.

**Answer:** B

9. Class -map nbar\_rtp

Match protocol rtp payload-type "0,1,4-0x10, 10001b – 10010b,64"

The above NBAR configuration matches RTP traffic with which payload types?

A)

0, 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 64

B)

0, 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 64

C)

0, 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 64

D)

0, 1, 4, 5, 6, 7, 8, 9, 10

A. Option A

B. Option B

C. Option C

D. Option D

**Answer: A**

10. Which two commands would enable secure logging on Cisco ASA to a syslog server at 10.0.0.1? (Choose two)

A. logging host inside 10.0.0.1 TCP/1500 secure

B. logging host inside 10.0.0.1 UDP/514 secure

C. logging host inside 10.0.0.1 TCP/1470 secure

D. logging host inside 10.0.0.1 UDP/500 secure

E. logging host inside 10.0.0.1 UDP/447 secure

**Answer: A,C**

11. Which two answers describe provisions of the SOX Act and its international counterpart Acts? (Choose two.)

- A. confidentiality and integrity of customer records and credit card information
- B. accountability in the event of corporate fraud
- C. financial information handled by entities such as banks, and mortgage and insurance brokers
- D. assurance of the accuracy of financial records
- E. US Federal government information
- F. security standards that protect healthcare patient data

**Answer:** B,D

12. Which command sequence can you enter to enable IP multicast for WCCPv2?

A. Router(config)#ip wccp web-cache service-list Router(config)#interface FastEthernet0/0

Router(config)#ip wccp web-cache group-listen

B. Router(config)#ip wccp web-cache group-list Router(config)#interface FastEthernet0/0 Router(config)#ip wccp web-cache group-listen

C. Router(config)#ip wccp web-cache group-address 224.1.1.100 Router(config)#interface FastEthernet0/0

Router(config)#ip wccp web-cache redirect in

D. Router(config)#ip wccp web-cache group-address 224.1.1.100 Router(config)#interface FastEthernet0/0

Router(config)#ip wccp web-cache group-listen

E. Router(config)#ip wccp web-cache group-address 224.1.1.100 Router(config)#interface FastEthernet0/0

Router(config)#ip wccp web-cache redirect out

**Answer:** D

13. IANA is responsible for which three IP resources? (Choose three.)

- A. IP address allocation
- B. Detection of spoofed address
- C. Criminal prosecution of hackers
- D. Autonomous system number allocation

E. Root zone management in DNS

F. BGP protocol vulnerabilities

**Answer:** A,D,E

14. Which command can you enter on the Cisco ASA to disable SSH?

A. Crypto key generate ecdsa label

B. Crypto key generate rsa usage-keys noconfirm

C. Crypto keys generate rsa general-keys modulus 768

D. Crypto keys generate ecdsa noconfirm

E. Crypto keys zeroize rsa noconfirm

**Answer:** E

15. DRAG DROP

Drag and drop the description on the left on to the associated item on the right.

collection of similar programs that work together to execute specific tasks	Trojan horse
independent malicious program copies itself from one host to another over a network and carries other programs	worm
programs that appear to have one function but actually perform a different function	virus
programs that modify other programs and that attach themselves to other programs on execution	botnet

**Answer:**

collection of similar programs that work together to execute specific tasks	programs that appear to have one function but actually perform a different function
independent malicious program copies itself from one host to another over a network and carries other programs	independent malicious program copies itself from one host to another over a network and carries other programs
programs that appear to have one function but actually perform a different function	programs that modify other programs and that attach themselves to other programs on execution
programs that modify other programs and that attach themselves to other programs on execution	collection of similar programs that work together to execute specific tasks

Explanation: Collection of similar programs that work together to execute specific tasks: Botnet

Independent malicious program copies itself: Worms

Programs that appear to have one function but actually performs a different function: Trojan horse

Programs that modify other programs: Virus

16. A cloud service provider is designing a large multitenant data center to support thousands of tenants. The provider is concerned about the scalability of the Layer 2 network and providing Layer 2 segmentation to potentially thousands of tenants. Which Layer 2 technology is best suited in this scenario?

- A. LDP
- B. VXLAN
- C. VRF
- D. Extended VLAN ranges

**Answer: B**

17. Which two statements about global ACLs are true? (Choose two)

- A. They support an implicit deny
- B. They are applied globally instead of being replicated on each interface
- C. They override individual interface access rules
- D. They require an explicit deny
- E. They can filter different packet types than extended ACLs
- F. They require class-map configuration

**Answer: A,B**

18. Which two statements about header attacks are true?(Choose Two)

- A. An attacker can use IPv6 Next Header attacks to steal user data and launch phishing attacks.
- B. An attacker can use HTTP Header attacks to launch a DoS attack.
- C. An attacker can execute a spoofing attack by populating the RH0 routing header subtype with multiple destination addresses.
- D. An attacker can leverage an HTTP response header to write malicious cookies.
- E. An attacker can leverage an HTTP response header to inject malicious code into an application layer.
- F. An attacker can use vulnerabilities in the IPv6 routing header to launch attacks at the application layer.

**Answer: B,C**



19. In Cisco Wireless LAN Controller (WLC), which web policy enables failed Layer 2 authentication to fall back to WebAuth authentication with a user name and password?

- A. On MAC Filter Failure
- B. Pass through
- C. Splash Page Web Redirect
- D. Conditional Web Redirect
- E. Authentication

**Answer: A**

20. Which two statements about role-based access control are true?(Choose two)

- A. Server profile administrators have read and write access to all system logs by default.
- B. If the same user name is used for a local user account and a remote user account, the roles defined in the remote user account override the local user account.
- C. A view is created on the Cisco IOS device to leverage role-based access controls.
- D. Network administrators have read and write access to all system logs by default.
- E. The user profile on an AAA server is configured with the roles that grant user privileges.

**Answer: D,E**

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