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Vendor: Cisco

Exam Code: 300-209

Exam Name: Implementing Cisco Secure Mobility
Solutions

Version: Demo

DEMO

QUESTION 1

Refer to the exhibit.

```
*Jul 16 20:21:25.317: ISAKMP (1004): received packet from 192.168.0.2 dport
500 sport 500 Global (R) MM_KEY_EXCH
*Jul 16 20:21:25.317: ISAKMP: reserved not zero on ID payload!
*Jul 16 20:21:25.317: %CRYPTO-4-IKMP_BAD_MESSAGE: IKE message from 192.168.0.2
failed its sanity check or is malformed
```

Which type of mismatch is causing the problem with the IPsec VPN tunnel?

- A. PSK
- B. Phase 1 policy
- C. transform set
- D. crypto access list

Correct Answer: A

QUESTION 2

Which protocol can be used for better throughput performance when using Cisco AnyConnect VPN?

- A. TLSv1
- B. TLSv1.1
- C. TLSv1.2
- D. DTLSv1

Correct Answer: D

QUESTION 3

When an IPsec SVTI is configured, which technology processes traffic forwarding for encryption?

- A. ACL
- B. IP routing
- C. RRI
- D. front door VPN routing and forwarding

Correct Answer: B

QUESTION 4

A user is unable to establish an AnyConnect VPN connection to an ASA. When using the Real-Time Log viewer within ASDM to troubleshoot the issue, which two filter options would the administrator choose to show only syslog messages relevant to the VPN connection? (Choose two.)

- A. Client's public IP address
- B. Client's operating system
- C. Client's default gateway IP address
- D. Client's username
- E. ASA's public IP address

Correct Answer: AD

QUESTION 5

Which transform set is contained in the IKEv2 default proposal?

- A. aes-cbc-192, sha256, group 14
- B. 3des, md5, group 7
- C. 3des, sha1, group 1
- D. aes-cbc-128, sha, group 5

Correct Answer: D

QUESTION 6

Refer to the exhibit.

```
crypto ikev2 proposal PROP
  encryption aes-cbc-128
  integrity sha256
  group 20

crypto ikev2 policy IKEV2_POLICY
  match address local 10.1.1.2
  proposal PROP

crypto ikev2 keyring KEYRING
  peer spokes
  address 10.0.0.0 255.0.0.0
  pre-shared-key local cisco123
  pre-shared-key remote cisco123

crypto ikev2 profile PROFILE_IKEV2
  match identity remote address 10.0.0.0 255.0.0.0
  authentication remote pre-share
  authentication local pre-share
  keyring local KEYRING
  aaa authorization group psk list default default
  virtual-template 1

crypto ikev2 dpd 30 5 on-demand

crypto ipsec transform-set TRANSFORM_IPSEC esp-gcm
mode transport

crypto ipsec profile PROFILE_IPSEC
  set transform-set TRANSFORM_IPSEC
  set ikev2-profile PROFILE_IKEV2

interface Virtual-Template1 type tunnel
  ip unnumbered Loopback100
  tunnel path-mtu-discovery
  tunnel protection ipsec profile PROFILE_IPSEC
```

Which VPN solution does this configuration represent?

- A. DMVPN
- B. GETVPN
- C. FlexVPN
- D. site-to-site

Correct Answer: C

QUESTION 7

Which two statements describe effects of the DoNothing option within the untrusted network policy on a

Cisco AnyConnect profile? (Choose two.)

- A. The client initiates a VPN connection upon detection of an untrusted network.
- B. The client initiates a VPN connection upon detection of a trusted network.
- C. The always-on feature is enabled.
- D. The always-on feature is disabled.
- E. The client does not automatically initiate any VPN connection.

Correct Answer: AD

QUESTION 8

What are two variables for configuring clientless SSL VPN single sign-on? (Choose two.)

- A. CSCO_WEBVPN_OTP_PASSWORD
- B. CSCO_WEBVPN_INTERNAL_PASSWORD
- C. CSCO_WEBVPN_USERNAME
- D. CSCO_WEBVPN_RADIUS_USER

Correct Answer: BC

QUESTION 9

Which Cisco adaptive security appliance command can be used to view the IPsec PSK of a tunnel group in cleartext?

- A. more system:running-config
- B. show running-config crypto
- C. show running-config tunnel-group
- D. show running-config tunnel-group-map
- E. clear config tunnel-group
- F. show ipsec policy

Correct Answer: A

QUESTION 10

Which three remote access VPN methods in an ASA appliance provide support for Cisco Secure Desktop? (Choose three.)

- A. IKEv1
- B. IKEv2
- C. SSL client
- D. SSL clientless
- E. ESP
- F. L2TP

Correct Answer: BCD

QUESTION 11

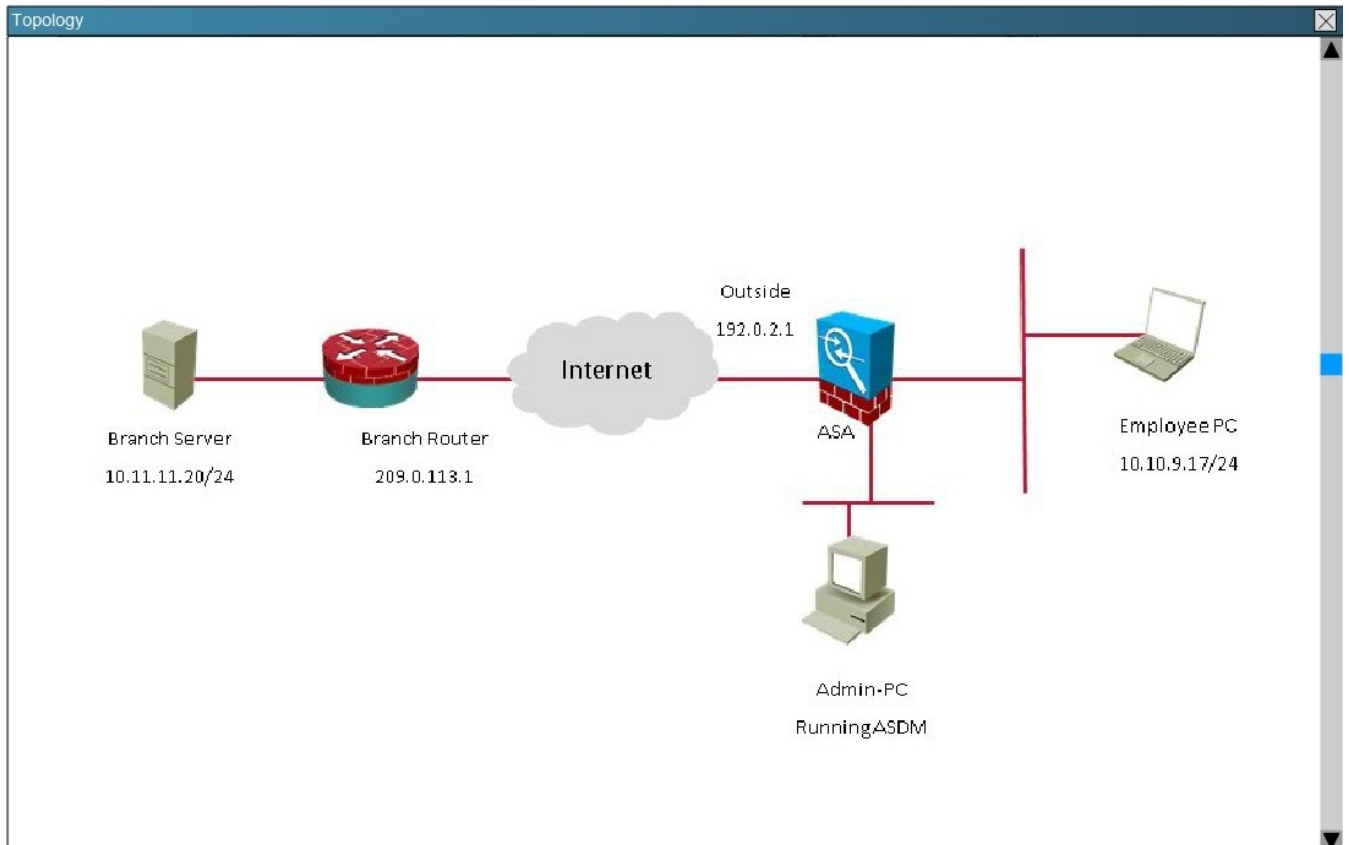
Scenario:

You are the senior network security administrator for your organization. Recently and junior engineer configured a site-to-site IPsec VPN connection between your headquarters Cisco ASA and a remote branch office.

You are now tasked with verifying the IKEv1 IPsec installation to ensure it was properly configured according to designated parameters. Using the CLI on both the Cisco ASA and branch ISR, verify the IPsec configuration is properly configured between the two sites.

NOTE: the show running-config command cannot be used for this exercise.

Topology:

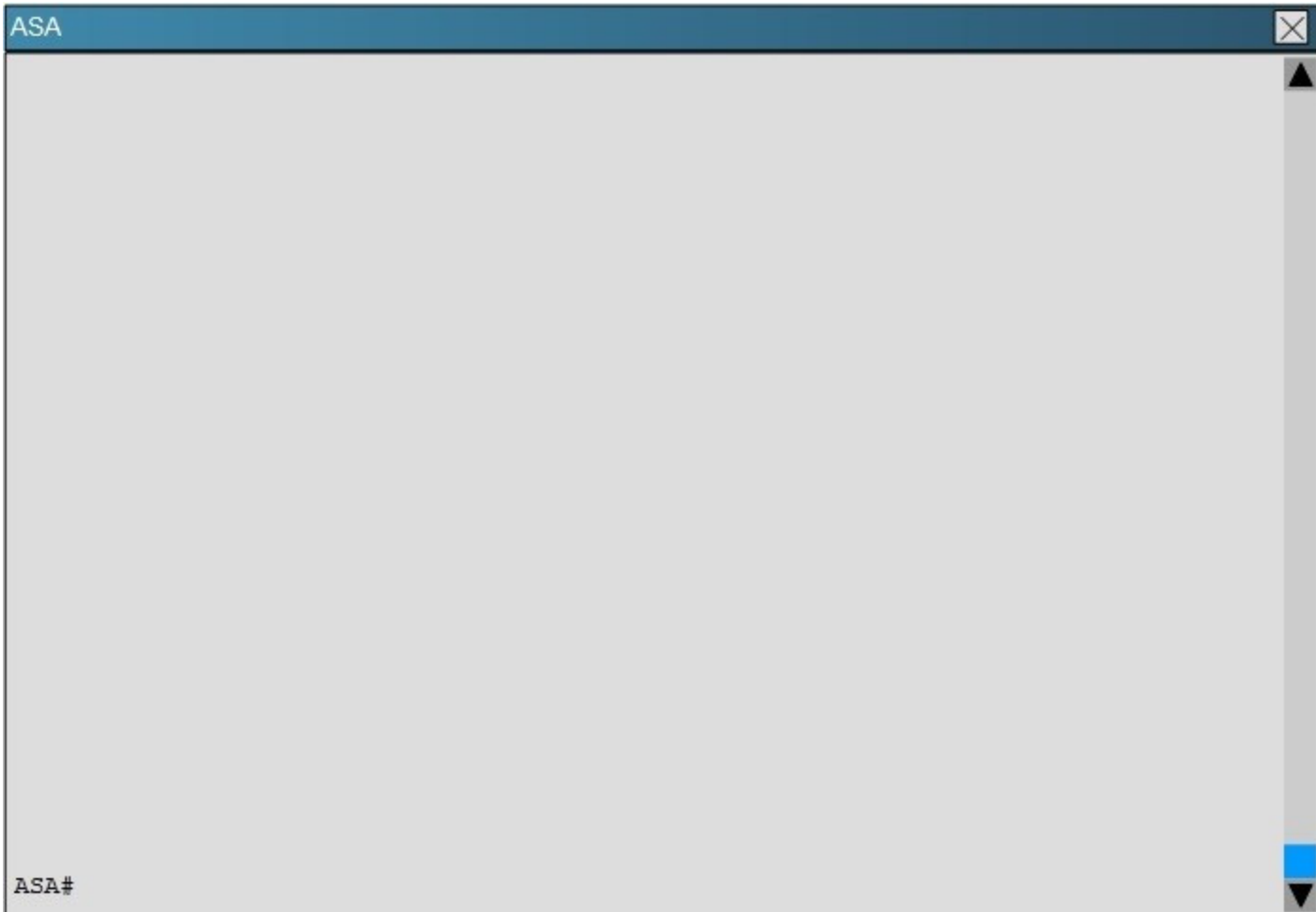


Branch ISR



Branch ISR# █





Which crypto map tag is being used on the Cisco ASA?

- A. outside_cryptomap
- B. VPN-to-ASA
- C. L2L_Tunnel
- D. outside_map1

Correct Answer: D

QUESTION 12

A Cisco IOS SSL VPN gateway is configured to operate in clientless mode so that users can access file shares on a Microsoft Windows 2003 server.

Which protocol is used between the Cisco IOS router and the Windows server?

- A. HTTPS
- B. NetBIOS
- C. CIFS
- D. HTTP

Correct Answer: C

QUESTION 13

Which three types of SSO functionality are available on the Cisco ASA without any external SSO servers? (Choose three.)

- A. SAML
- B. HTTP POST

- C. HTTP Basic
- D. NTLM
- E. Kerberos
- F. OAuth 2.0

Correct Answer: BCD

QUESTION 14

As network consultant, you are asked to suggest a VPN technology that can support a multivendor environment and secure traffic between sites. Which technology should you recommend?

- A. DMVPN
- B. FlexVPN
- C. GET VPN
- D. SSL VPN

Correct Answer: B

QUESTION 15

The following configuration steps have been completed.

- WebVPN was enabled on the ASA outside interface.
- SSL VPN client software was loaded to the ASA.
- A DHCP scope was configured and applied to a WebVPN Tunnel Group.

What additional step is required if the client software fails to load when connecting to the ASA SSL page?

- A. The SSL client must be loaded to the client by an ASA administrator
- B. The SSL client must be downloaded to the client via FTP
- C. The SSL VPN client must be enabled on the ASA after loading
- D. The SSL client must be enabled on the client machine before loading

Correct Answer: C

QUESTION 16

Which application does the Application Access feature of Clientless VPN support?

- A. TFTP
- B. VoIP
- C. Telnet
- D. active FTP

Correct Answer: C

QUESTION 17

Refer to the exhibit.


```
interface Loopback 10
  ip address 192.0.2.1 255.255.255.0

interface GigabitEthernet 0/0
  description WAN interface
  ip address 10.1.1.1 255.0.0.0

ip nat inside source static 192.0.2.1 10.1.1.2 !
webvpn gateway GATEWAY
  ip address 192.0.2.1 port 443
```

Which VPN solution does this configuration represent?

- A. Cisco AnyConnect (IKEv2)
- B. site-to-site
- C. DMVPN
- D. SSL VPN

Correct Answer: D

QUESTION 18

Which statement describes a prerequisite for single-sign-on Netegrity Cookie Support in an IOC SSL VPN?

- A. The Cisco AnyConnect Secure Mobility Client must be installed in flash.
- B. A SiteMinder plug-in must be installed on the Cisco SSL VPN gateway.
- C. A Cisco plug-in must be installed on a SiteMinder server.
- D. The Cisco Secure Desktop software package must be installed in flash.

Correct Answer: C

QUESTION 19

As network security architect, you must implement secure VPN connectivity among company branches over a private IP cloud with any-to-any scalable connectivity. Which technology should you use?

- A. IPsec DVTI
- B. FlexVPN
- C. DMVPN
- D. IPsec SVTI
- E. GET VPN

Correct Answer: E

QUESTION 20

Refer to the exhibit.

Config for Router1

```
crypto ikev2 keyring KR1
peer Router2
address 209.165.201.15
pre-shared-key local apples
pre-shared-key remote Oranges
```

Config for Router2

```
crypto ikev2 keyring KR1
peer Router1
address 209.165.202.0 255.255.255.0
pre-shared-key local apples
pre-shared-key remote Oranges
```



The IKEv2 tunnel between Router1 and Router2 is failing during session establishment. Which action will allow the session to establish correctly?

- A. The address command on Router2 must be narrowed down to a /32 mask.
- B. The local and remote keys on Router2 must be switched.
- C. The pre-shared key must be altered to use only lowercase letters.
- D. The local and remote keys on Router2 must be the same.

Correct Answer: B

QUESTION 21

Which cryptographic algorithms are a part of the Cisco NGE suite?

- A. HIPPA DES
- B. AES-CBC-128
- C. RC4-128
- D. AES-GCM-256

Correct Answer: D

QUESTION 22

Which algorithm provides both encryption and authentication for data plane communication?

- A. SHA-96
- B. SHA-384
- C. 3DES
- D. AES-256
- E. AES-GCM
- F. RC4

Correct Answer: E

QUESTION 23

Which configuration is used to build a tunnel between a Cisco ASA and ISR?

- A. crypto map
- B. DMVPN
- C. GET VPN
- D. GRE with IPsec
- E. GRE without IPsec

Correct Answer: A

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