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Vendor:Cisco

Exam Code:300-730

Exam Name:Implementing Secure Solutions with
Virtual Private Networks (SVPN)

Version:Demo

QUESTION 1

Which technology and VPN component allows a VPN headend to dynamically learn post NAT IP addresses of remote routers at different sites?

- A. DMVPN with ISAKMP
- B. GETVPN with ISAKMP
- C. DMVPN with NHRP
- D. GETVPN with NHRP

Correct Answer: C

QUESTION 2

Which command shows the smart default configuration for an IPsec profile?

- A. show run all crypto ipsec profile
- B. ipsec profile does not have any smart default configuration
- C. show smart-defaults ipsec profile
- D. show crypto ipsec profile default

Correct Answer: D

QUESTION 3

Which two tasks must be performed to implement a clientless VPN on the Cisco ASA? (Choose two.)

- A. Configure a connection profile
- B. Upload an AnyConnect Package.
- C. Install an enrolled X.509 Certificate.
- D. Configure a language translation file.
- E. Configure a portal customization.

Correct Answer: AC

Reference: <https://www.cisco.com/c/en/us/support/docs/security-vpn/webvpn-ssl-vpn/119417-config-asa-00.html>

QUESTION 4

What is a requirement for smart tunnels to function properly?

- A. Java or ActiveX must be enabled on the client machine.
- B. Applications must be UDP.
- C. Stateful failover must not be configured.
- D. The user on the client machine must have admin access.

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/support/docs/security/asa-5500-x-series-next-generation-firewalls/111007-smart-tunnel-asa-00.html>

QUESTION 5

Refer to the exhibit.

```
IKEv2:(SESSION ID = 17,SA ID = 1):Processing IKE_AUTH message
IKEv2:IPSec policy validate request sent for profile CloudOne with psh index 1.

IKEv2:(SESSION ID = 17,SA ID = 1):
IKEv2:(SA ID = 1):[IPsec -> IKEv2] Callback received for the validate proposal - FAILED.

IKEv2-ERROR:(SESSION ID = 17,SA ID = 1):: There was no IPSEC policy found for received TS
IKEv2:(SESSION ID = 17,SA ID = 1):Sending TS unacceptable notify
IKEv2:(SESSION ID = 17,SA ID = 1):Get my authentication method
IKEv2:(SESSION ID = 17,SA ID = 1):My authentication method is 'PSK'
IKEv2:(SESSION ID = 17,SA ID = 1):Get peer's preshared key for 68.72.250.251
IKEv2:(SESSION ID = 17,SA ID = 1):Generate my authentication data
IKEv2:(SESSION ID = 17,SA ID = 1):Use preshared key for id 68.72.250.250, key len 5
IKEv2:[IKEv2 -> Crypto Engine] Generate IKEv2 authentication data
IKEv2:[Crypto Engine -> IKEv2] IKEv2 authentication data generation PASSED
IKEv2:(SESSION ID = 17,SA ID = 1):Get my authentication method
IKEv2:(SESSION ID = 17,SA ID = 1):My authentication method is 'PSK'
IKEv2:(SESSION ID = 17,SA ID = 1):Generating IKE_AUTH message
IKEv2:(SESSION ID = 17,SA ID = 1):Constructing IDr payload: '68.72.250.250' of type 'IPv4 address'
IKEv2:(SESSION ID = 17,SA ID = 1):Building packet for encryption.
Payload contents:
VID IDr AUTH NOTIFY(TS_UNACCEPTABLE)

IKEv2:(SESSION ID = 17,SA ID = 1):Sending Packet [To 68.72.250.251:500/From 68.72.250.250:500/VRF i0:f0]
Initiator SPI : 3D527B1D50DBEEF4 - Responder SPI : 9C693F77F2656636 Message id: 1
IKEv2 IKE_AUTH Exchange RESPONSE
Payload contents:
ENCR
```

Based on the debug output, which type of mismatch is preventing the VPN from coming up?

- A. interesting traffic
- B. lifetime
- C. preshared key
- D. PFS

Correct Answer: A

TS unacceptable:

The IPsec SA setup has failed due to a mismatch in the policy rule definition between the gateways for the tunnel configuration.

Check the local and remote network configuration on both gateways.

QUESTION 6

The corporate network security policy requires that all internet and network traffic must be tunneled to the corporate office. Remote workers have been provided with printers to use locally at home while they are remotely connected to the corporate network. Which two steps must be executed to allow printing to the local printers? (Choose two.)

- A. Configure the split-tunnel-policy on the Cisco ASA to tunnelall.
- B. Check the Allow Local LAN access checkbox in the Cisco AnyConnect client.
- C. Add a persistent static route in the client OS for the local LAN network.
- D. Configure the split-tunnel-policy on the Cisco ASA to excludespecified.
- E. Configure the split-tunnel-policy on the Cisco ASA to tunnelspecified.

Correct Answer: BD

QUESTION 7

Refer to the exhibit.

```

group-policy DfltGrpPolicy internal
group-policy DfltGrpPolicy attributes
  banner none
  dns-server value 10.10.10.10
  vpn-tunnel-protocol ssl-clientless
  default-domain value cisco.com
  address-pools value ACPool

group-policy Admin_Group internal
group-policy Admin_Group attributes
  vpn-simultaneous-logins 10
  vpn-tunnel-protocol ikev2 ssl-clientless
  split-tunnel-policy tunnelall

tunnel-group Admins type remote-access
tunnel-group Admins general-attributes
  default-group-policy Admin_Group
tunnel-group Admins webvpn-attributes
  group-alias Admins enable

tunnel-group Employee type remote-access
tunnel-group Employee webvpn-attributes
  group-alias Employee enable

webvpn
  enable outside
  anyconnect image disk0:/anyconnect-win-4.7.01076-webdeploy-k9.pkg 1
  anyconnect enable
  tunnel-group-list enable

```

Which VPN technology is allowed for users connecting to the Employee tunnel group?

- A. SSL AnyConnect
- B. IKEv2 AnyConnect
- C. crypto map
- D. clientless

Correct Answer: D

Since there is no vpn-tunnel-protocol defined under the Employee tunnel-group this setting will be inherited from the DfltGrpPolicy And only ss-clientless is allowed in DfltGrpPolicy.

QUESTION 8

An organization wants to implement a site-to-site VPN solution that must be able to support 350 sites with direct communications between all sites, fully encrypt the packet header and payload, and support propagation of routing

information over IPsec. Which solution meets these requirements?

- A. IPsec full mesh
- B. DMVPN
- C. GETVPN
- D. FlexVPN

Correct Answer: D

QUESTION 9

In a FlexVPN deployment, the spokes successfully connect to the hub, but spoke-to-spoke tunnels do not form. Which troubleshooting step solves the issue?

- A. Verify the spoke configuration to check if the NHRP redirect is enabled.
- B. Verify that the spoke receives redirect messages and sends resolution requests.
- C. Verify the hub configuration to check if the NHRP shortcut is enabled.
- D. Verify that the tunnel interface is contained within a VRF.

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_conn_dmvpn/configuration/15-mt/sec-conn-dmvpn-15-mt-book/sec-conn-dmvpn-summ-maps.pdf

QUESTION 10

Which configuration construct must be used in a FlexVPN tunnel?

- A. EAP configuration
- B. multipoint GRE tunnel interface
- C. IKEv1 policy
- D. IKEv2 profile

Correct Answer: D

QUESTION 11

Refer to the exhibit.

March 09 09:39:15:945 : IPsec(validate_transform_proposal): proxy identities not supported

March 09 09:39:16:363 : IPsec policy invalidated proposal

March 09 09:39:16:786 : SA not acceptable!

Which action must be taken on the IPsec tunnel configuration to resolve the issue?

- A. The access lists on each peer must mirror each other.
- B. The transform set on each peer must match.
- C. The access lists on each peer must be identical.
- D. The transform set on each peer must be compatible.

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/support/docs/security-vpn/ipsec-negotiation-ike-protocols/5409-ipsec-debug-00.html>

QUESTION 12

Refer to the exhibit.

```
interface Tunnel0
  ip address 172.16.1.1 255.255.255.0
  no ip redirects
  ip mtu 1440
  ip nhrp authentication cisco
  ip nhrp map multicast dynamic
  ip nhrp network-id 150
  no ip split-horizon eigrp 100
  no ip next-hop-self eigrp 100
  tunnel source GigabitEthernet0/0
  tunnel mode gre multipoint
  tunnel key 0
  tunnel protection ipsec profile cisco
```

Which two conclusions should be drawn from the DMVPN phase 2 configuration? (Choose two.)

- A. Next-hop-self is required.
- B. EIGRP neighbor adjacency will fail.

C. EIGRP is used as the dynamic routing protocol.

D. EIGRP route redistribution is not allowed.

E. Spoke-to-spoke communication is allowed.

Correct Answer: CE