300-209^{Q&As}

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Implementing Cisco Secure Mobility Solutions

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QUESTION 1

Refer to the exhibit. An administrator is adding IPv6 addressing to an already functioning tunnel. The administrator is unable to ping 2001:DB8:100::2 but can ping 209.165.200.226. Which configuration needs to be added or changed?

```
interface Tunnel10
 ip address 209.165.200.225 255.255.255.254
 ipv6 address 2001:DB8:100::1/64
 ipv6 enable
 tunnel source Ethernet0/0
 tunnel mode ipsec ipv4
 tunnel destination 209.165.201.20
 tunnel protection ipsec profile default
end
```

A. No configuration change is necessary. Everything is working correctly.

B. OSPFv3 needs to be configured on the interface.

C. NHRP needs to be configured to provide NBMA mapping.

D. Tunnel mode needs to be changed to GRE IPv4.

E. Tunnel mode needs to be changed to GRE IPv6.

Correct Answer: D

We encapsulate IPv6 Packets in IPv4 Packets to deliver their in IPv4 infrastructure. The GRE tunnel have to be also an IPv4. http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/interface/configuration/xe-3s/ir-xe-3s-book/ip6-ip4-gre-tunls-xe.html

QUESTION 2

When you configure IPsec VPN High Availability Enhancements, which technology does Cisco recommend that you enable to make reconvergence faster?

A. EOT

B. IP SLAs

C. periodic IKE keepalives

D. VPN fast detection

Correct Answer: C

QUESTION 3

Which is used by GETVPN, FlexVPN and DMVPN?

A. NHRP

B. MPLS

C. GRE

D. ESP

Correct Answer: D

QUESTION 4

Refer to the exhibit. Which technology does this configuration demonstrate?

```
interface GigabitEthernet0/0
 nameif outside
 security-level 0
 ip address 192.168.1.1 255.255.255.0
 ipv6 address 2001:db8:100::1/64
!
group-policy DfltGrpPolicy attributes
 dns-server value 10.48.66.195
 vpn-tunnel-protocol ikev2 ssl-client
 gateway-fqdn value asa.cisco.com
 address-pools value pool4
 ipv6-address-pools value pool6
 webvpn
 anyconnect profiles value VPN type user
!
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<AnyConnectProfile xmlns="http://schemas.xmlsoap.org/encoding/"
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:schemaLocation="http://schemas.xmlsoap.org/encoding/
AnyConnectProfile.xsd">
 <ClientInitialization>
 ...
 <IPProtocolSupport>IPv6,IPv4</IPProtocolSupport>
 ...
</ClientInitialization>
 <ServerList>
 <HostEntry>
 <HostName>VPN</HostName>
 <HostAddress>asa.cisco.com</HostAddress> </HostEntry>
</ServerList>
</AnyConnectProfile>
```

A. AnyConnect SSL over IPv4+IPv6

B. AnyConnect FlexVPN over IPv4+IPv6

C. AnyConnect FlexVPN IPv6 over IPv4

D. AnyConnect SSL IPv6 over IPv4

Correct Answer: B

FlexVPN use IPSec/IKEv2, SSL use TLS "vpn-tunnel-protocol ikev2 ssl-client\\' is part of FlexVPN configuration ...the configuration for SSL would be "vpn-tunnel-protocol ssl-client"
http://www.cisco.com/c/en/us/support/docs/security/anyconnect-secure-mobility-client/115735-acssl-ipconfig-00.html

QUESTION 5

Refer to the exhibit. In the CLI snippet that is shown, what is the function of the deny option in the access list?

```
access-list outside_cryptomap_1 line 1 extended deny tcp any host 10.0.4.4 eq https
access-list outside_cryptomap_1 line 1 extended permit tcp any host 10.0.4.0 255.255.255.0 eq https
crypto map outside_map 1 match address outside_cryptomap_1
```

A. When set in conjunction with outbound connection-type bidirectional, its function is to prevent the specified traffic from being protected by the crypto map entry.

B. When set in conjunction with connection-type originate-only, its function is to instruct the Cisco ASA to deny specific inbound traffic if it is not encrypted.

C. When set in conjunction with outbound connection-type answer-only, its function is to instruct the Cisco ASA to deny specific outbound traffic if it is not encrypted.

D. When set in conjunction with connection-type originate-only, its function is to cause all IP traffic that matches the specified conditions to be protected by the crypto map.

Correct Answer: A

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