

## Exam Questions 300-730

Implementing Secure Solutions with Virtual Private Networks (SVPN)

<https://www.2passeasy.com/dumps/300-730/>



# NEW QUESTION 1

Refer to the exhibit.

```
HUB#show ip nhrp
10.0.0.2/32 via 10.0.0.2
    Tunnel0 created 00:02:09, expire 00:00:01
    Type: dynamic, Flags: unique registered used nhop
    NBMA address: 2.2.2.1
10.0.0.3/32 via 10.0.0.3
    Tunnel0 created 00:13:25, 01:46:34
    Type: dynamic, Flags: unique registered used nhop
    NBMA address: 3.3.3.1
```

The DMVPN tunnel is dropping randomly and no tunnel protection is configured. Which spoke configuration mitigates tunnel drops?

A.

```
interface Tunnel0
ip address 10.0.0.2 255.255.255.0
no ip redirects
ip nhrp map 10.0.0.1 1.1.1.1
ip nhrp map multicast 1.1.1.1
ip nhrp network-id 1
ip nhrp holdtime 20
ip nhrp nhs 10.0.0.1
ip nhrp registration timeout 120
ip nhrp shortcut
tunnel source GigabitEthernet0/1
tunnel mode gre multipoint
end
```

A. interface Tunnel0

```
ip address 10.0.0.2 255.255.255.0
no ip redirects
ip nhrp map 10.0.0.1 1.1.1.1
ip nhrp map multicast 1.1.1.1
ip nhrp network-id 1
ip nhrp holdtime 120
ip nhrp nhs 10.0.0.1
ip nhrp registration timeout 120
ip nhrp shortcut
tunnel source GigabitEthernet0/1
tunnel mode gre multipoint
end
```

B. interface Tunnel0

```
ip address 10.0.0.2 255.255.255.0
no ip redirects
ip nhrp map 10.0.0.1 1.1.1.1
ip nhrp map multicast 1.1.1.1
ip nhrp network-id 1
ip nhrp holdtime 120
ip nhrp nhs 10.0.0.1
ip nhrp registration timeout 20
ip nhrp shortcut
tunnel source GigabitEthernet0/1
tunnel mode gre multipoint
end
```

D.

```
interface Tunnel0
  ip address 10.0.0.2 255.255.255.0
  no ip redirects
  ip nhrp map 10.0.0.1 1.1.1.1
  ip nhrp map multicast 1.1.1.1
  ip nhrp network-id 1
  ip nhrp holdtime 120
  ip nhrp nhs 10.0.0.1
  ip nhrp registration timeout 150
  ip nhrp shortcut
  tunnel source GigabitEthernet0/1
  tunnel mode gre multipoint
end
```

Answer: D

#### NEW QUESTION 2

On a FlexVPN hub-and-spoke topology where spoke-to-spoke tunnels are not allowed, which command is needed for the hub to be able to terminate FlexVPN tunnels?

- A. interface virtual-access
- B. ip nhrp redirect
- C. interface tunnel
- D. interface virtual-template

Answer: D

#### NEW QUESTION 3

Refer to the exhibit.

```
interface: Tunnell
  Crypto map tag: Tunnell-head-0, local addr 192.168.0.1

protected vrf: (none)
local ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
current_peer 192.168.0.2 port 500
  PERMIT, flags={origin_is_acl,}
  #pkts encaps: 0, #pkts encrypt: 0, #pkts digest: 0
  #pkts decaps: 0, #pkts decrypt: 0, #pkts verify: 0
  #pkts compressed: 0, #pkts decompressed: 0
  #pkts not compressed: 0, #pkts compr. failed: 0
  #pkts not decompressed: 0, #pkts decompress failed: 0
  #send errors 0, #recv errors 0

local crypto endpt.: 192.168.0.1, remote crypto endpt.: 192.168.0.2
plaintext mtu 1438, path mtu 1500, ip mtu 1500, ip mtu idb GigabitEthernet1
current outbound spi: 0x3D05D003(1023791107)
PFS (Y/N): N, DH group: none
```

Which two tunnel types produce the show crypto ipsec sa output seen in the exhibit? (Choose two.)

- A. crypto map
- B. DMVPN
- C. GRE
- D. FlexVPN
- E. VTI

Answer: BE

#### NEW QUESTION 4

Which two changes must be made in order to migrate from DMVPN Phase 2 to Phase 3 when EIGRP is configured? (Choose two.)

- A. Add NHRP shortcuts on the hub.
- B. Add NHRP redirects on the spoke.
- C. Disable EIGRP next-hop-self on the hub.
- D. Enable EIGRP next-hop-self on the hub.
- E. Add NHRP redirects on the hub.

Answer: CE



#### NEW QUESTION 5

Which two parameters help to map a VPN session to a tunnel group without using the tunnel-group list? (Choose two.)

- A. group-alias
- B. certificate map
- C. optimal gateway selection
- D. group-url
- E. AnyConnect client version

**Answer:** BD

#### NEW QUESTION 6

Which method dynamically installs the network routes for remote tunnel endpoints?

- A. policy-based routing
- B. CEF
- C. reverse route injection
- D. route filtering

**Answer:** C

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec\\_conn\\_vpnnav/configuration/12-4t/sec-vpn-availability-12-4t-book/sec-rev-rte-inject.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_conn_vpnnav/configuration/12-4t/sec-vpn-availability-12-4t-book/sec-rev-rte-inject.html)

#### NEW QUESTION 7

Which command identifies a Cisco AnyConnect profile that was uploaded to the flash of an IOS router?

- A. svc import profile SSL\_profile flash:simos-profile.xml
- B. anyconnect profile SSL\_profile flash:simos-profile.xml
- C. crypto vpn anyconnect profile SSL\_profile flash:simos-profile.xml
- D. webvpn import profile SSL\_profile flash:simos-profile.xml

**Answer:** C

#### Explanation:

Reference: <https://www.cisco.com/c/en/us/support/docs/security/anyconnect-secure-mobility-client/200533-AnyConnect-Configure-Basic-SSLVPN-for-I.html>

#### NEW QUESTION 8

Refer to the exhibit.

Which value must be configured in the User Group field when the Cisco AnyConnect Profile is created to connect to an ASA headend with IPsec as the primary protocol?

- A. address-pool

- B. group-alias
- C. group-policy
- D. tunnel-group

**Answer:** D

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/security/vpn\\_client/anyconnect/anyconnect41/administration/guide/b\\_AnyConnect\\_Administrator\\_Guide\\_4-1/configure-vpn.html](https://www.cisco.com/c/en/us/td/docs/security/vpn_client/anyconnect/anyconnect41/administration/guide/b_AnyConnect_Administrator_Guide_4-1/configure-vpn.html)

**NEW QUESTION 9**

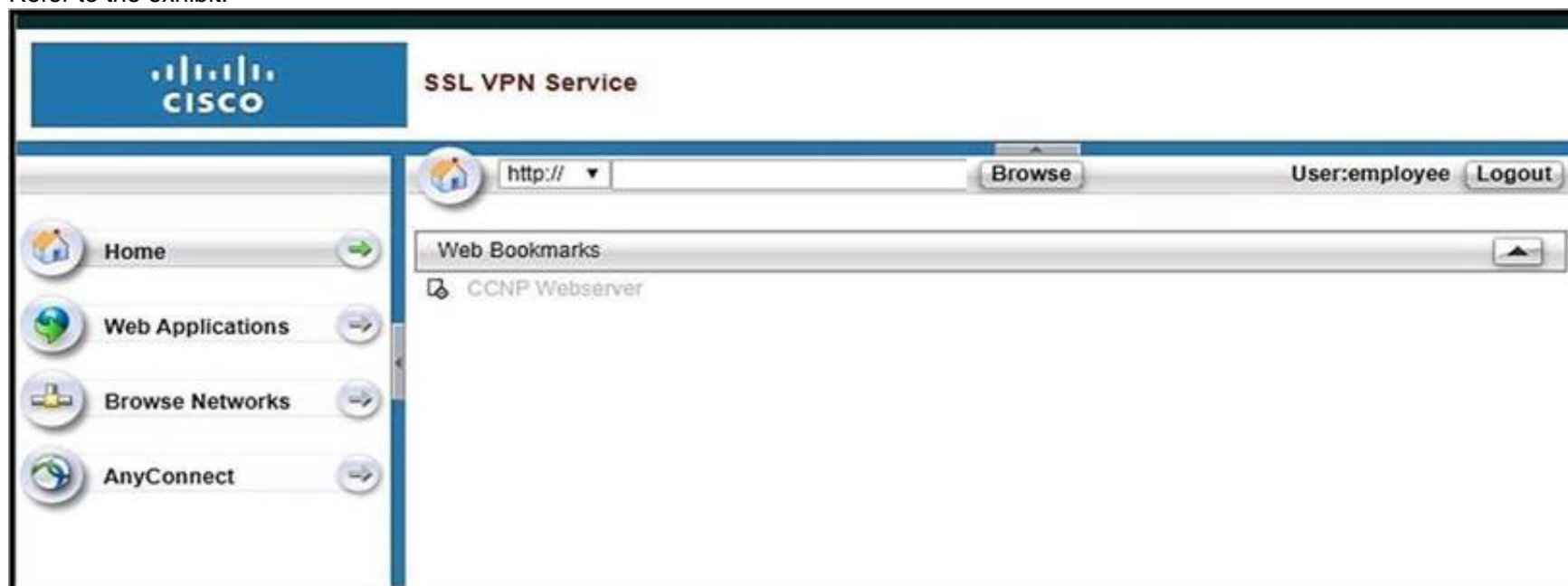
Which configuration construct must be used in a FlexVPN tunnel?

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

**Answer:** D

**NEW QUESTION 10**

Refer to the exhibit.



Based on the exhibit, why are users unable to access CCNP Webserver bookmark?

- A. The URL is being blocked by a WebACL.
- B. The ASA cannot resolve the URL.
- C. The bookmark has been disabled.
- D. The user cannot access the URL.

**Answer:** C

**NEW QUESTION 10**

Which command automatically initiates a smart tunnel when a user logs in to the WebVPN portal page?

- A. auto-upgrade
- B. auto-connect
- C. auto-start
- D. auto-run

**Answer:** C

**Explanation:**

Reference: [https://www.cisco.com/c/en/us/td/docs/security/asa/asa91/configuration/vpn/asa\\_91\\_vpn\\_config/webvpn-configure-policy-group.html](https://www.cisco.com/c/en/us/td/docs/security/asa/asa91/configuration/vpn/asa_91_vpn_config/webvpn-configure-policy-group.html)

**NEW QUESTION 11**

Refer to the exhibit.



The customer must launch Cisco AnyConnect in the RDP machine. Which IOS configuration accomplishes this task?

- A.

- crypto vpn anyconnect profile Profile 1 flash:RDP.xml  
webvpn context Context1  
svc platform win seq 1  
policy group PolicyGroup1  
functions svc-enabled
- B. crypto vpn anyconnect profile Profile 1 flash:RDP.xml  
webvpn context Context1  
browser-attribute import flash:RDP.xml
- C. crypto vpn anyconnect profile Profile 1 flash:RDP.xml  
webvpn context Context1  
policy group PolicyGroup1  
svc profile Profile1
- D. crypto vpn anyconnect profile Profile 1 flash:RDP.xml  
webvpn context Context1  
policy group PolicyGroup1  
svc module RDP

Answer: C

Explanation:

Reference: <https://community.cisco.com/t5/vpn/starting-anyconnect-vpn-through-rdp-session-on-cisco-891/td-p/2128284>

#### NEW QUESTION 14

Which IKE identity does an IOS/IOS-XE headend expect to receive if an IPsec Cisco AnyConnect client uses default settings?

- A. \*\$SecureMobilityClient\$\*
- B. \*\$AnyConnectClient\$\*
- C. \*\$RemoteAccessVpnClient\$\*
- D. \*\$DfltIkeIdentity\$\*

Answer: B

Explanation:

Reference: <https://www.cisco.com/c/en/us/support/docs/security/flexvpn/200555-FlexVPN-AnyConnect-IKEv2-Remote-Access.html>

#### NEW QUESTION 16

Which command is used to troubleshoot an IPv6 FlexVPN spoke-to-hub connectivity failure?

- A. show crypto ikev2 sa
- B. show crypto isakmp sa
- C. show crypto gkm
- D. show crypto identity

Answer: A

Explanation:

Reference: <https://www.cisco.com/c/en/us/support/docs/security/flexvpn/116413-configure-flexvpn-00.pdf>

#### NEW QUESTION 17

Refer to the exhibit.

```
tunnel-group IKEV2 type remote-access
tunnel-group IKEV2 general-attributes
address-pool split
default-group-policy GroupPolicy1
tunnel-group IKEV2 webvpn-attributes
group-alias ikev2 enable

- <HostEntry>
<HostName>ikev2</HostName>
<HostAddress>10.106.45.221</HostAddress>
<UserGroup>ikev2</UserGroup>
<PrimaryProtocol>IPsec</PrimaryProtocol>
</HostEntry>
```

The customer can establish a Cisco AnyConnect connection without using an XML profile. When the host "ikev2" is selected in the AnyConnect drop down, the connection fails. What is the cause of this issue?



- A. The HostName is incorrect.
- B. The IP address is incorrect.
- C. Primary protocol should be SSL.
- D. UserGroup must match connection profile.

**Answer:** D

**Explanation:**

Reference: <https://community.cisco.com/t5/security-documents/anyconnect-xml-settings/ta-p/3157891>

**NEW QUESTION 18**

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. crypto access list
- B. Phase 1 policy
- C. transform set
- D. preshared key

**Answer:** D

**Explanation:**

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

**NEW QUESTION 21**

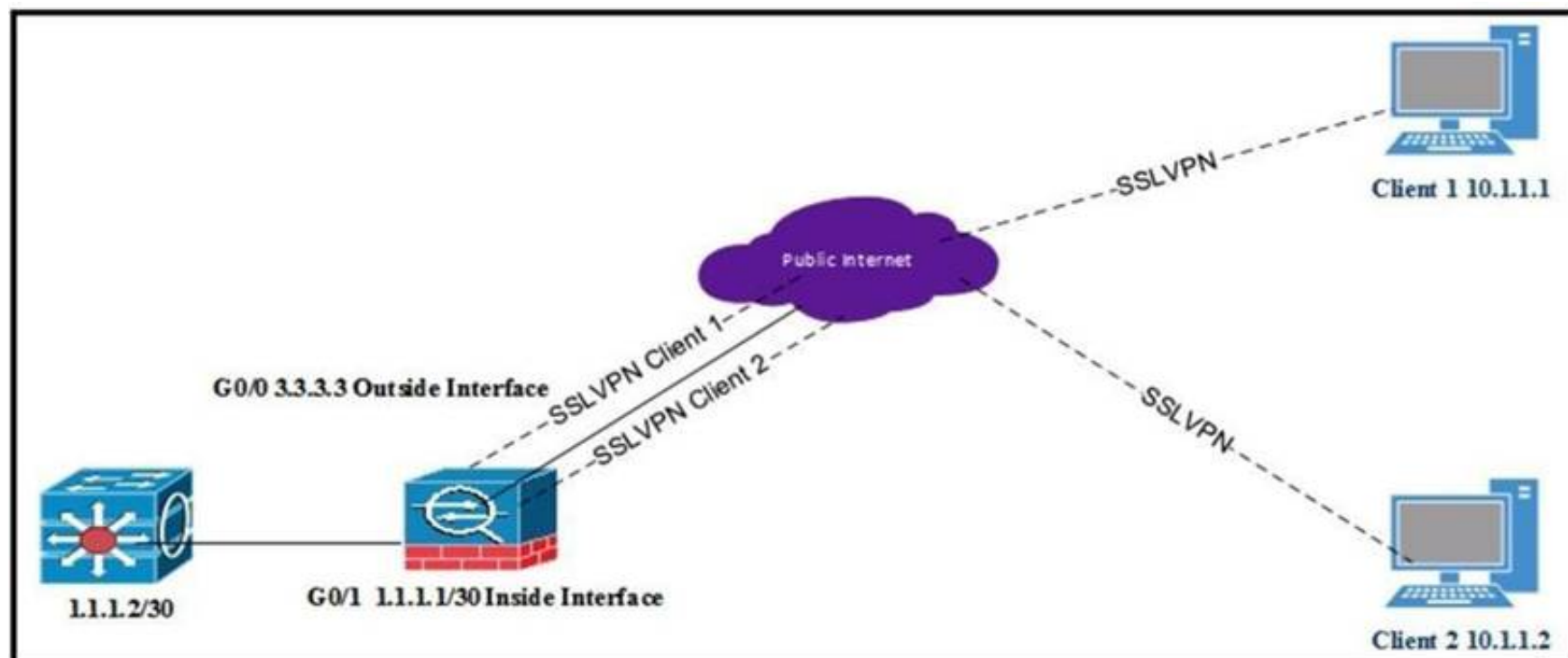
Which two remote access VPN solutions support SSL? (Choose two.)

- A. FlexVPN
- B. clientless
- C. EZVPN
- D. L2TP
- E. Cisco AnyConnect

**Answer:** BE

**NEW QUESTION 26**

Refer to the exhibit.



All internal clients behind the ASA are port address translated to the public outside interface that has an IP address of 3.3.3.3. Client 1 and client 2 have established successful SSL VPN connections to the ASA. What must be implemented so that "3.3.3.3" is returned from a browser search on the IP address?

- A. Same-security-traffic permit inter-interface under Group Policy
- B. Exclude Network List Below under Group Policy
- C. Tunnel All Networks under Group Policy
- D. Tunnel Network List Below under Group Policy

**Answer:** D

#### NEW QUESTION 27

Cisco AnyConnect clients need to transfer large files over the VPN sessions. Which protocol provides the best throughput?

- A. SSL/TLS
- B. L2TP
- C. DTLS
- D. IPsec IKEv1

**Answer:** C

#### NEW QUESTION 28

Refer to the exhibit.

```
crypto isakmp policy 10
  encr aes 256
  hash sha256
  authentication pre-share
  group 14

crypto isakmp key cisco address 0.0.0.0

crypto ipsec transform-set TS esp-aes 256 esp-sha256-hmac
mode transport

crypto ipsec profile CCNP
set transform-set TS

interface Tunnell
ip address 10.0.0.1 255.255.255.0
tunnel source GigabitEthernet1
tunnel mode ipsec ipv4
tunnel destination 172.18.10.2
tunnel protection ipsec profile CCNP
```

Which VPN technology is used in the exhibit?

- A. DVTI
- B. VTI
- C. DMVPN
- D. GRE

**Answer:** B

#### Explanation:

Reference: [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec\\_conn\\_vpnips/configuration/zZ-Archive/IPsec\\_Virtual\\_Tunnel\\_Interface.html#GUID-EB8C433B-2394-42B9-997F-B40803E58A91](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_conn_vpnips/configuration/zZ-Archive/IPsec_Virtual_Tunnel_Interface.html#GUID-EB8C433B-2394-42B9-997F-B40803E58A91)

#### NEW QUESTION 30

Which VPN does VPN load balancing on the ASA support?

- A. VTI
- B. IPsec site-to-site tunnels
- C. L2TP over IPsec
- D. Cisco AnyConnect

**Answer:** D

#### NEW QUESTION 33

Which parameter must match on all routers in a DMVPN Phase 3 cloud?

- A. GRE tunnel key
- B. NHRP network ID
- C. tunnel VRF
- D. EIGRP split-horizon setting

**Answer:** A

#### NEW QUESTION 38

Which parameter is initially used to elect the primary key server from a group of key servers?

- A. code version
- B. highest IP address
- C. highest-priority value
- D. lowest IP address

**Answer:** C



**Explanation:**

Reference: [https://www.cisco.com/c/en/us/products/collateral/security/group-encrypted-transport-vpn/deployment\\_guide\\_c07\\_554713.html](https://www.cisco.com/c/en/us/products/collateral/security/group-encrypted-transport-vpn/deployment_guide_c07_554713.html)

**NEW QUESTION 41**

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