Cisco

Exam Questions 300-730

Implementing Secure Solutions with Virtual Private Networks (SVPN)

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NEW QUESTION 1
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 2
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 3
Which method dynamically installs the network routes for remote tunnel endpoints?

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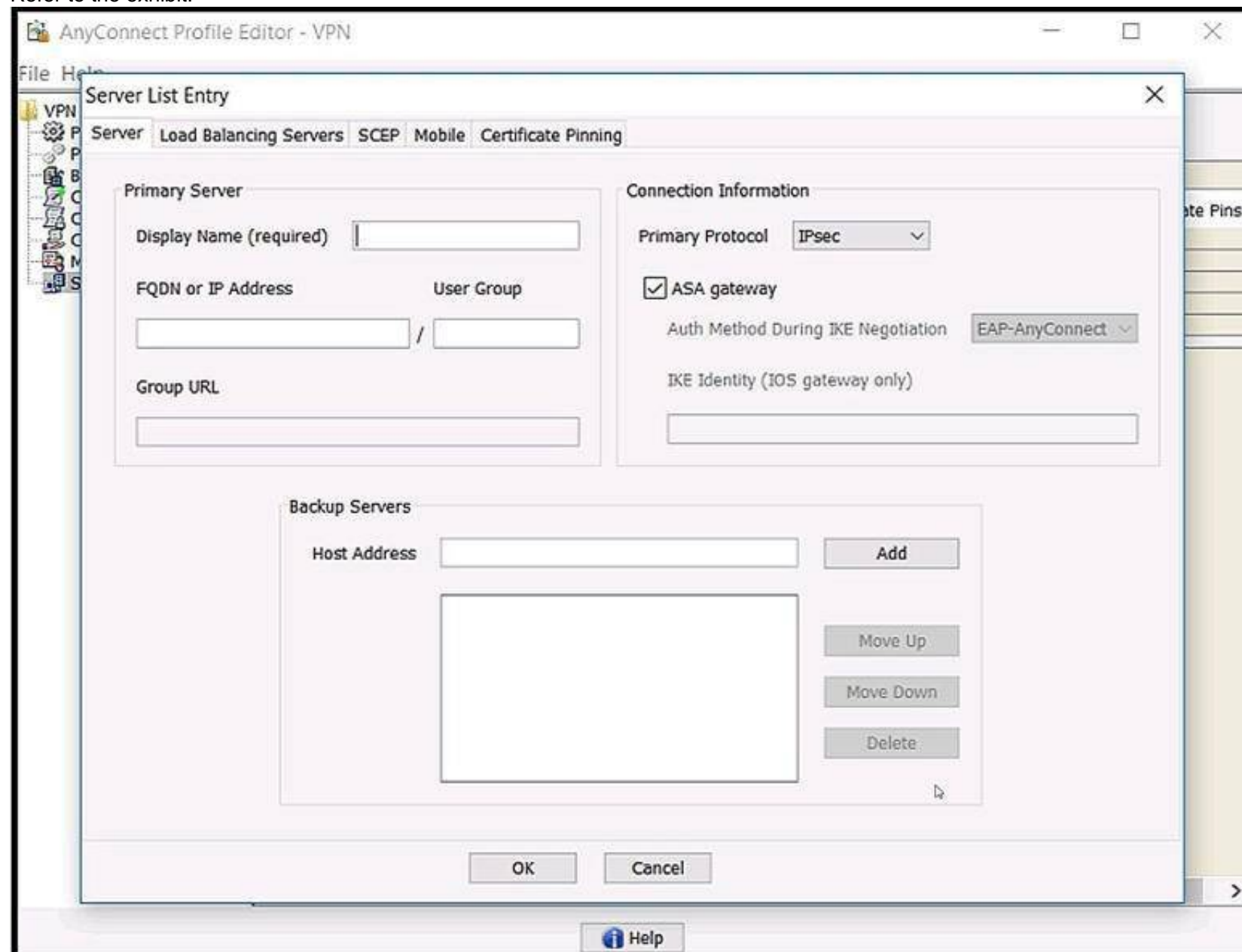B. CEF
C. reverse route injection
D. route filtering

Answer: C

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_conn_vpnav/configuration/12-4t/sec-vpn-availability-12-4t-book/sec-rev-rte-inject.html

NEW QUESTION 4
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

NEW QUESTION 5
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 6
A Cisco AnyConnect client establishes a SSL VPN connection with an ASA at the corporate office. An engineer must ensure that the client computer meets the enterprise security policy. Which feature can update the client to meet an enterprise security policy?

A. Endpoint Assessment
B. Cisco Secure Desktop
C. Basic Host Scan
D. Advanced Endpoint Assessment

Answer: D

NEW QUESTION 7
Which two features provide headend resiliency for Cisco AnyConnect clients? (Choose two.)

A. AnyConnect Auto Reconnect
B. AnyConnect Network Access Manager
C. AnyConnect Backup Servers
D. ASA failover
E. AnyConnect Always On

Answer: CD

NEW QUESTION 8
Cisco AnyConnect Secure Mobility Client has been configured to use IKEv2 for one group of users and SSL for another group. When the administrator configures a new AnyConnect release on the Cisco ASA, the IKEv2 users cannot download it automatically when they connect. What might be the problem?

A. The XML profile is not configured correctly for the affected users.
B. The new client image does not use the same major release as the current one.
C. Client services are not enabled.
D. Client software updates are not supported with IKEv2.

Answer: C

NEW QUESTION 9
Which two statements about the Cisco ASA Clientless SSL VPN solution are true? (Choose two.)

A. When a client connects to the Cisco ASA WebVPN portal and tries to access HTTP resources through the URL bar, the client uses the local DNS to perform FQDN resolution.
B. The rewriter enable command under the global webvpn configuration enables the rewriter functionality because that feature is disabled by default.
C. A Cisco ASA can simultaneously allow Clientless SSL VPN sessions and AnyConnect client sessions.
D. When a client connects to the Cisco ASA WebVPN portal and tries to access HTTP resources through the URL bar, the ASA uses its configured DNS servers to perform FQDN resolution.
E. Clientless SSLVPN provides Layer 3 connectivity into the secured network.

Answer: CD

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

NEW QUESTION 10
Which requirement is needed to use local authentication for Cisco AnyConnect Secure Mobility Clients that connect to a FlexVPN server?

A. use of certificates instead of username and password
B. EAP-AnyConnect
C. EAP query-identity
D. AnyConnect profile

Answer: D

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

NEW QUESTION 15
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. *$DfltIkeIdentityS*

Answer: B

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

NEW QUESTION 19
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 22
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 23
Refer to the exhibit.

```
ISAKMP: (0):beginning Main Mode exchange
ISAKMP-PAK: (0):sending packet to 192.168.0.8 my_port 500 peer_port 500 (I) MM_NO_STATE
ISAKMP-PAK: (0):received packet from 192.168.0.8 dport 500 sport 500 Global (I) MM_NO_STATE
ISAKMP: (0):Old State = IKE_I_MM1  New State = IKE_I_MM2
ISAKMP: (0):found peer pre-shared key matching 192.168.0.8
ISAKMP: (0):local preshared key found
ISAKMP: (0):Checking ISAKMP transform 1 against priority 10 policy
ISAKMP: (0):        encryption AES-CBC
ISAKMP: (0):        keylength of 256
ISAKMP: (0):        hash SHA256
ISAKMP: (0):        default group 14
ISAKMP: (0):        auth pre-share
ISAKMP: (0):        life type in seconds
ISAKMP: (0):        life duration (basic) of 1200
ISAKMP: (0):atts are acceptable. Next payload is 0
ISAKMP-PAK: (0):sending packet to 192.168.0.8 my_port 500 peer_port 500 (I) MM_SA_SETUP
ISAKMP: (0):Old State = IKE_I_MM2  New State = IKE_I_MM3
ISAKMP-PAK: (0):received packet from 192.168.0.8 dport 500 sport 500 Global (I) MM_SA_SETUP
ISAKMP: (0):Old State = IKE_I_MM3  New State = IKE_I_MM4
ISAKMP: (0):found peer pre-shared key matching 192.168.0.8
ISAKMP: (1005):Old State = IKE_I_MM4  New State = IKE_I_MM4
ISAKMP: (1005):pre-shared key authentication using id type ID_IPV4_ADDR
ISAKMP-PAK: (1005):sending packet to 192.168.0.8 my_port 4500 peer_port 4500 (I) MM_KEY_EXCH
ISAKMP: (1005):Old State = IKE_I_MM4  New State = IKE_I_MM5
ISAKMP-PAK: (1005):received packet from 192.168.0.8 dport 500 sport 500 Global (I) MM_KEY_EXCH
ISAKMP: (1005):phase 1 packet is a duplicate of a previous packet.
ISAKMP: (1005):retransmitting due to retransmit phase 1
ISAKMP: (1005):retransmitting phase 1 MM_KEY_EXCH...
ISAKMP: (1005):: incrementing error counter on sa, attempt 1 of 5: retransmit phase 1
ISAKMP-PAK: (1005):sending packet to 192.168.0.8 my_port 4500 peer_port 4500 (I) MM_KEY_EXCH
ISAKMP-PAK: (1005):received packet from 192.168.0.8 dport 500 sport 500 Global (I) MM_KEY_EXCH
ISAKMP: (1005):phase 1 packet is a duplicate of a previous packet.
ISAKMP: (1005):retransmitting due to retransmit phase 1
```

A site-to-site tunnel between two sites is not coming up. Based on the debugs, what is the cause of this issue?

A. An authentication failure occurs on the remote peer.
B. A certificate fragmentation issue occurs between both sides.
C. UDP 4500 traffic from the peer does not reach the router.
D. An authentication failure occurs on the router.

Answer: C

NEW QUESTION 27
Refer to the exhibit.

```
HUB configuration:

crypto ikev2 profile default
  match identity remote fqdn domain cisco.com
  identity local fqdn hub.cisco.com
  authentication local rsa-sig
  authentication remote pre-shared-key cisco
  pki trustpoint CA
  aaa authorization group cert list default default
  virtual-template 1

---

SPOKE 1 configuration:

crypto ikev2 profile default
  match identity remote fqdn domain cisco.com
  identity local fqdn spoke.cisco.com
  authentication local rsa-sig
  authentication remote pre-shared-key cisco
  pki trustpoint CA
  aaa authorization group cert list default default
  virtual-template 1

---

SPOKE 2 configuration:

crypto ikev2 profile default
  match identity remote fqdn domain cisco.com
  identity local fqdn spoke2.cisco.com
  authentication local pre-shared-key flexvpn
  authentication remote rsa-sig
  pki trustpoint CA
aaa authorization group cert list default default
virtual-template 1
```

What is a result of this configuration?

A. Spoke 1 fails the authentication because the authentication methods are incorrect.
B. Spoke 2 passes the authentication to the hub and successfully proceeds to phase 2.
C. Spoke 2 fails the authentication because the remote authentication method is incorrect.
D. Spoke 1 passes the authentication to the hub and successfully proceeds to phase 2.

Answer: A

NEW QUESTION 28
Refer to the exhibit.
An SSL client is connecting to an ASA headend. The session fails with the message "Connection attempt has timed out. Please verify Internet connectivity."
Based on how the packet is processed, which phase is causing the failure?

A. phase 9: rpf-check
B. phase 5: NAT
C. phase 4: ACCESS-LIST
D. phase 3: UN-NAT

Answer: D

NEW QUESTION 30
What are two functions of ECDH and ECDSA? (Choose two.)

A. nonrepudiation
B. revocation
C. digital signature
D. key exchange
E. encryption

Answer: CD

Explanation:
Reference: https://tools.cisco.com/security/center/resources/next_generation_cryptography

NEW QUESTION 34
What uses an Elliptic Curve key exchange algorithm?

A. ECDSA
B. ECDHE
C. AES-GCM
D. SHA

Answer: B

Explanation:
Reference: https://blog.cloudflare.com/a-relatively-easy-to-understand-primer-on-elliptic-curve-cryptography/

NEW QUESTION 36
Which VPN solution uses TBAR?

A. GETVPN
B. VTI
C. DMVPN
D. Cisco AnyConnect

Answer: A

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_conn_getvpn/configuration/xe-3s/sec-get-vpn-xe-3s-book/sec-get-vpn.html

NEW QUESTION 41
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

NEW QUESTION 43
A Cisco ASA is configured in active/standby mode. What is needed to ensure that Cisco AnyConnect users can connect after a failover event?

A. AnyConnect images must be uploaded to both failover ASA devices.
B. The vpnsession-db must be cleared manually.
C. Configure a backup server in the XML profile.
D. AnyConnect client must point to the standby IP address.

Answer: A

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/security/asa/asa90/configuration/guide/asa_90_cli_config/ha_active_standby.html

NEW QUESTION 44
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.

Answer: A

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

NEW QUESTION 46
Where is split tunneling defined for IKEv2 remote access clients on a Cisco router?

A. IKEv2 authorization policy
B. Group Policy
C. virtual template

D. webvpn context

Answer: B

NEW QUESTION 49
Which feature of GETVPN is a limitation of DMVPN and FlexVPN?

A. sequence numbers that enable scalable replay checking
B. enabled use of ESP or AH
C. design for use over public or private WAN
D. no requirement for an overlay routing protocol

Answer: D

NEW QUESTION 51
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