300-730^{Q&As}

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Implementing Secure Solutions with Virtual Private Networks (SVPN)

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QUESTION 1

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

Correct Answer: CD

QUESTION 2

A second set of traffic selectors is negotiated between two peers using IKEv2. Which IKEv2 packet will contain details of the exchange?

A. IKEv2 IKE_SA_INIT

B. IKEv2 INFORMATIONAL

C. IKEv2 CREATE_CHILD_SA

D. IKEv2 IKE_AUTH

Correct Answer: C

The IKEv2 CREATE_CHILD_SA packet is used to establish a new security association (SA) between two peers. This packet contains the details of the exchange, including the traffic selectors, the cryptographic algorithms and keys to be used, and any other relevant information.

QUESTION 3

DRAG DROP

Drag and drop the GET VPN components from the left onto the correct descriptions on the right.

Select and Place:

Answer Area

KEK	gets the IPsec SA to encrypt data traffic within the group
TEK	provides group key and group SA management
GDOI protocol	maintains security policies and provides the session key for encrypting traffic
KS	encrypts the rekey message
GM	used by all the group members to communicate securely among each other

Correct Answer:

Answer Area

	GM
	GDOI protocol
	KS
	KEK
	TEK

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

QUESTION 4

A network engineer must expand a company\'s Cisco AnyConnect solution. Currently, a Cisco ASA is set up in North America and another will be installed in Europe with a different IP address. Users should connect to the ASA that has the lowest Round Trip Time from their network location as measured by the AnyConnect client. Which solution must be implemented to meet this requirement?

A. VPN Load Balancing

B. IP SLA

C. DNS Load Balancing

D. Optimal Gateway Selection

Correct Answer: D

Optimal Gateway Selection (OGS) is a feature that can be used for determining which gateway has the lowest RTT and connect to that gateway. Using the Optimal Gateway Selection (OGS) feature, administrators can minimize latency for Internet traffic without user intervention. With OGS, AnyConnect identifies and selects which secure gateway is best for connection or reconnection. OGS begins upon first connection or upon a reconnection at least four hours after the previous disconnection

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QUESTION 5

A network engineer must configure the Cisco ASA so that Cisco AnyConnect clients establishing an SSL VPN connection create an additional tunnel for real-time traffic that is sensitive to packet delays. If this additional tunnel experiences any issues, it must fall back to a TLS connection. Which two Cisco AnyConnect features must be configured to accomplish this task? (Choose two.)

A. DTLS

B. DSCP Preservation

C. DPD

D. SSL Rekey

E. OMTU

Correct Answer: AC