



300-730^{Q&As}

Implementing Secure Solutions with Virtual Private Networks (SVPN)

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QUESTION 1

An organization wants to distribute remote access VPN load across 12 VPN headend locations supporting 25,000 simultaneous users. Which load balancing method meets this requirement?

- A. one VPN profile per site
- B. DNS-based load balancing
- C. AnyConnect native load balancing
- D. equal cost, multipath load balancing

Correct Answer: B

QUESTION 2

Refer to the exhibit.

```
IKEv2-ERROR:(SESSION ID = 20,SA ID = 1):: The peer's KE payload contained the wrong DH group
IKEv2-PAK:(SESSION ID = 20,SA ID = 1):Next payload: NOTIFY, version: 2.0 Exchange type: IKE_SA_INIT,
flags: RESPONDER MSG-RESPONSE Message id: 0, length: 38
Payload contents:
  NOTIFY(INVALID_KEY_PAYLOAD) Next payload: NONE, reserved: 0x0, length: 10
    Security protocol id: Unknown - 0, spi size: 0, type: INVALID_KEY_PAYLOAD
IKEv2-ERROR:(SESSION ID = 20,SA ID = 1):Initial exchange failed: Initial exchange failed
```

An IPsec Cisco AnyConnect client is failing to connect and generates these debugs every time a connection to an IOS headend is attempted. Which action resolves this issue?

- A. Correct the DH group setting.
- B. Correct the PFS setting.
- C. Correct the integrity setting.
- D. Correct the encryption setting.

Correct Answer: A

QUESTION 3

Refer to the exhibit.



<snip>

Tunnel Group: VPNPhone, Client Cert Auth Success.

WebVPN: CSD data not sent from client

http_remove_auth_handle(): handle 24 not found!

<snip>

A network administrator is setting up a phone VPN on a Cisco ASA. The phone cannot connect and the error is presented in a debug on the Cisco ASA. Which action fixes this issue?

- A. Enable web-deploy of the posture module so that the module can be downloaded from the Cisco ASA to an IP phone.
- B. Configure the Cisco ASA to present an RSA certificate to the phone for authentication.
- C. Disable Cisco Secure Desktop under the connection profile VPNPhone.
- D. Install the posture module on the Cisco ASA.

Correct Answer: C

Reference: <https://www.cisco.com/c/en/us/support/docs/security/anyconnect-secure-mobility-client/116162-trouble-anyconnect-vpn-phone-00.html>

QUESTION 4

Refer to the exhibit.

```
IKEv2 SAs:
Session-id:138, Status:UP-ACTIVE, IKE count:1, CHILD count:1

Tunnel-id Local          Remote    Status  Role
45926289 172.16.1.2/500    172.16.1.1/500    READY  INITIATOR
    Encr: AES-CBC, keysize: 256, Hash: SHA96, DH Grp:14, Auth sign: RSA,
Auth verify: RSA
    Life/Active Time: 86400/4 sec
Child sa: local selector 192.168.0.0/0 - 192.168.0.255/65535
          remote selector 172.16.2.0/0 - 172.16.2.255/65535
          ESP spi in/out: 0xa84caabb/0xf18dce57
```

A Cisco ASA is configured as a client to a router running as a FlexVPN server. The router is configured with a virtual template to terminate FlexVPN clients. Traffic between networks 192.168.0.0/24 and 172.16.20.0/24 does not work as expected. Based on the show crypto ikev2 sa output collected from the Cisco ASA in the exhibit, what is the solution to this issue?



- A. Modify the crypto ACL on the router to permit network 192.168.0.0/24 to network 172.16.20.0/24.
- B. Modify the crypto ACL on the ASA to permit network 192.168.0.0/24 to network 172.16.20.0/24.
- C. Modify the crypto ACL on the ASA to permit network 172.16.20.0/24 to network 192.168.0.0/24.
- D. Modify the crypto ACL on the router to permit network 172.16.20.0/24 to network 192.168.0.0/24.

Correct Answer: B

QUESTION 5

When deploying a site-to-site VPN, what must be used to minimize IP fragmentation?

- A. IKE version 1
- B. ISAKMP over UDP 500
- C. Dead Peer Detection
- D. Path MTU Discovery

Correct Answer: D

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