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Deploying Cisco ASA VPN Solutions (VPN v2.0)

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QUESTION 1

Refer to following Exhibit and answer the following question below:
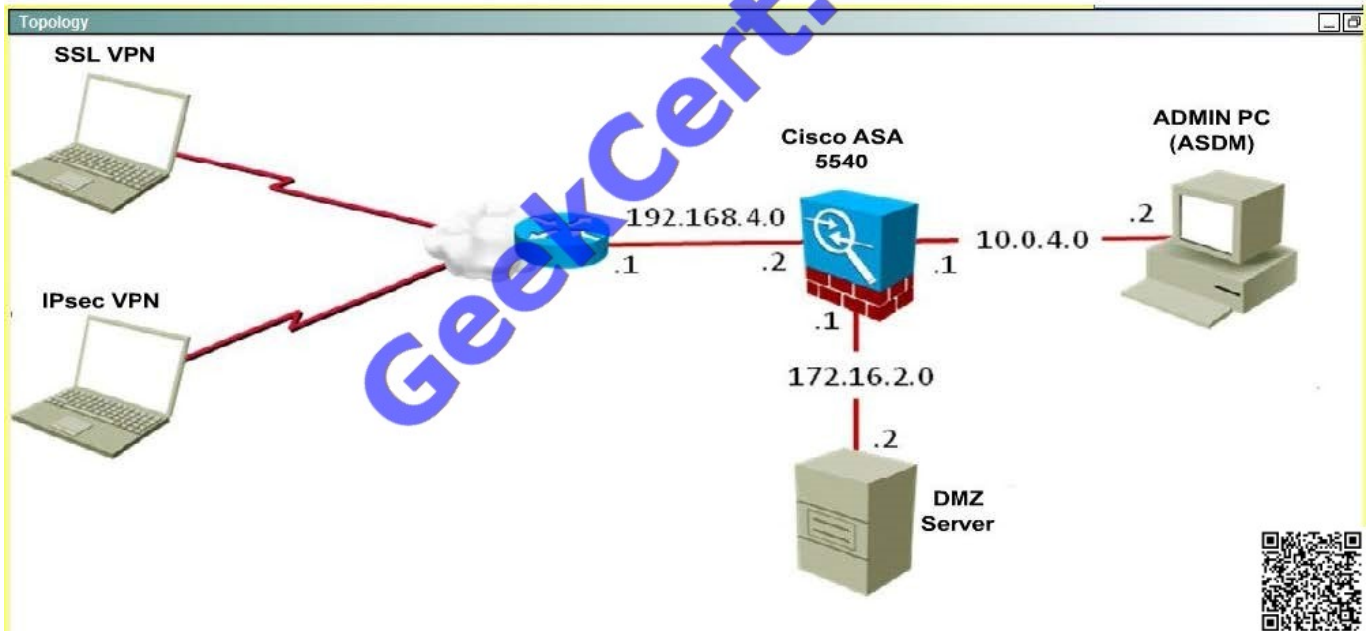
Instructions
Click the grey buttons at the bottom of this frame to view the different windows.
Windows can be minimized and repositioned. You can also reposition a window by dragging it by the title bar.
The "Tab" key and most commands that use the **Control** or **Escape** keys are not supported and are not needed to complete this simulation.

Scenario
You are the firewall administrator for a small company. The company currently supports remote-access SSL VPN and IPsec VPN via a Cisco ASA 5520. This morning, your manager supplied you with a list of Cisco ASA configuration questions. Using the Cisco ASA ASDM, your job is to navigate the preconfigured Cisco ASDM to find the answers to the questions.

Topology

SSL VPN

IPsec VPN

Cisco ASA 5540

192.168.4.0
.1   .2

ADMIN PC (ASDM)

10.0.4.0   .2
.1

.1

172.16.2.0

.2

DMZ Server
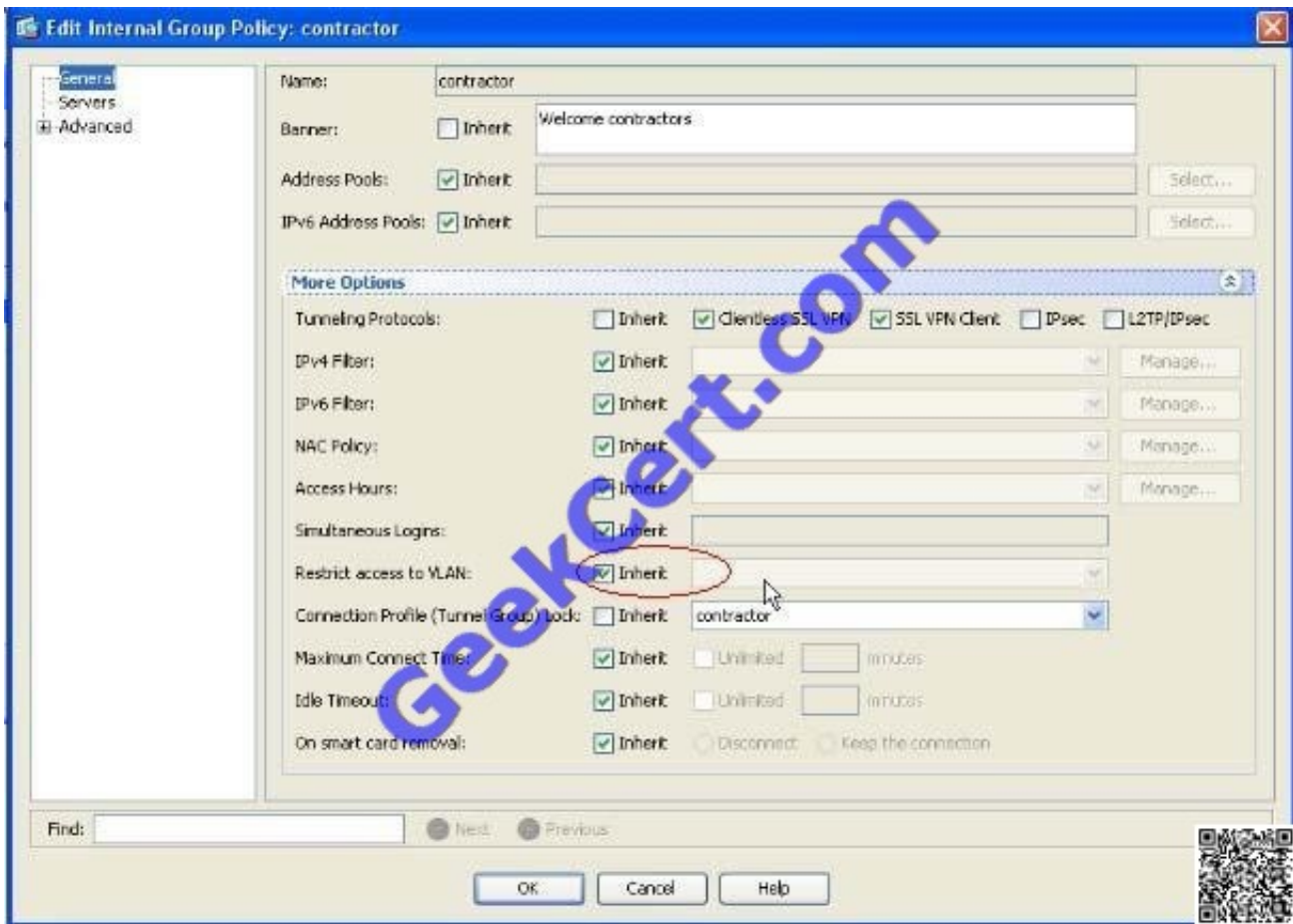
Which group policy restricts the VPN user access to VLAN 100?

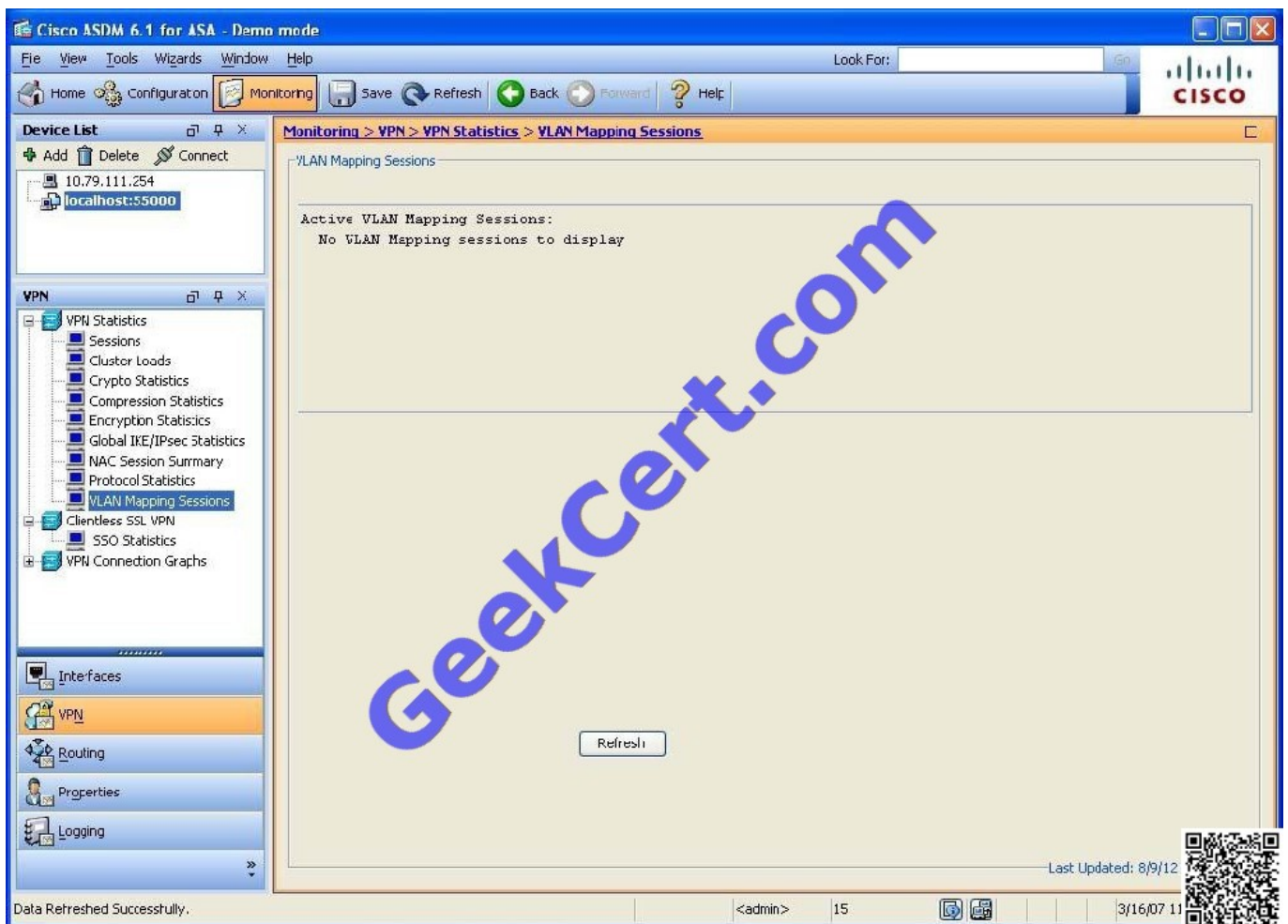A. Employee

B. Contractor

C. Management

D. Engineering

Correct Answer: B

Explanation:

configuration > network client access > any connect connection profiles >connection profiles > edit

For each profile > general > more options > restricted VLAN Monitoring > VPN > VPN statistics Sessions, vlan mapping sessions

QUESTION 2

Cisco AnyConnect profiles can be used to set which three options? (Choose three.)

A. Define a list of VPN gateways that are presented to users upon login.

B. Define a quarantine VLAN for remote devices that fail a host scan.

C. Define a guest VLAN to all "noncompany" Cisco IOS WebVPN users.

D. Define a list of backup servers if primary gateways are unavailable.

E. Activate the SSL VPN tunnel as part of the Windows login sequence.

F. Configure the Cisco Secure Desktop vault.

Correct Answer: ADE

http://www.cisco.com/en/US/docs/security/vpn_client/anyconnect/anyconnect20/administrative/guide/ad minapa.pdf

QUESTION 3

After adding a remote-access IPsec tunnel via the VPN wizard, an administrator needs to tune the IKE policy parameters. Where is the correct place to tune IKE policy parameters?

A. Cisco IPsec VPN SW Client > Client Profile

B. IPsec User Profile

C. Group Policy

D. IKE Policy

E. Crypto Map

Correct Answer: D

QUESTION 4

Select and Place:

Match the characterisitc on the left with the correct transport layer protocol cn the right.

| used to tunnel traffic over TCP 443 |
| replaced underlying transport layer with UDP 443 |
| enabled by default |
| requires retransmission of lost packets |
| used to transmit datagrams |
| Used to negotiate control messages |

TLS

DTLS

Correct Answer:

Match the characterisitc on the left with the correct transport layer protocol on the right.

TLS

used to tunnel traffic over TCP 443

requires retransmission of lost packets

Used to negotiate control messages

DTLS

replaced underlying transport layer with UDP 443

enabled by default

used to transmit datagrams

QUESTION 5

When configuring dead peer detection for remote-access VPN, what does the confidence level parameter represent?

A. It specifies the number of seconds the adaptive security appliance should allow a peer to idle before beginning keepalive monitoring.

B. It specifies the number of seconds to wait between IKE keepalive retries.

C. The higher the number, the more reliable the link is.

D. It is determined dynamically based on reliability, uptime, and load.

Correct Answer: A

```
Chicago(config)# crypto map outside_map 10 set connection-type originate-only
```

ISAKMP Keepalives

The ISAKMP keepalives feature is a way to determine whether the remote VPN peer is still reachable or there are any lingering SAs (SAs that do not get cleared properly). By default, Cisco ASA starts sending Dead Peer Detection (DPD) packets after it stops receiving encrypted traffic over the tunnel from the peer. If it does not hear from its peer for 10 seconds (confidence interval), it sends out a DPD R_U_THERE packet. It keeps sending the R_U_THERE packets every 2 seconds (the retry interval). If it does not receive R_U_THERE_ACK for four consecutive DPDs polling periods, the security appliance deletes the corresponding ISAKMP and IPSec SAs.

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