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QUESTION 1

Which feature do you include in a highly available system to account for potential site failures?

- A. geographical separation of redundant devices
- B. hot/standby failover pairs
- C. Cisco ACE load-balancing with VIP
- D. dual power supplies

Correct Answer: A

QUESTION 2

Which command simplifies the task of converting an SSL VPN to an IKEv2 VPN on a Cisco ASA appliance that has an invalid IKEv2 configuration?

- A. migrate remote-access ssl overwrite
- B. migrate remote-access ikev2
- C. migrate I2I
- D. migrate remote-access ssl

Correct Answer: A

Below is a reference for this question:

<http://www.cisco.com/c/en/us/support/docs/security/asa-5500-x-series-next-generation-firewalls/113597-ptn-113597.html>

If your IKEv1, or even SSL, configuration already exists, the ASA makes the migration process simple. On the command line, enter the migrate command:

migrate {I2I | remote-access {ikev2 | ssl} | overwrite} Things of note:

Keyword definitions:

I2I - This converts current IKEv1 I2I tunnels to IKEv2.

remote access - This converts the remote access configuration. You can convert either the IKEv1 or the SSL tunnel groups to IKEv2. overwrite - If you have a IKEv2 configuration that you wish to overwrite, then this keyword converts the

current IKEv1 configuration and removes the superfluous IKEv2 configuration.

QUESTION 3



Refer to the exhibit. An engineer is troubleshooting this configuration. Why is the VPN tunnel not functioning?

```
interface Ethernet0
nameif outside
security-level0
ip address172.16.1.2 255.255.255.0
!
interface Ethernet1
nameif inside
security-level100
ip address 10.1|0.1 255.255.255.0
!
object network InsideNet
subnet 10.7.7.0 255.255.255.0
!
object network RemoteNet
subnet 10.8.8.0 255.255.255.0
!
nat (inside, outside) source static InsideNet InsideNet destination static RemoteNet
RemoteNet
!
access-list cmap10 extended permit ip object InsideNet object RemoteNet
!
route outside 0.0.0.0 0.0.0.0 172.16.1.1
!
crypto ipsec ikev1 transform-set AES256 esp-aes-256 esp-sha-hmac
!
crypto ikev1 policy 10
authentication pre-share
encryption 3des
hash sha
group 2
lifetime 86400
!
crypto map cmap 10 match address cmap10
crypto map cmap 10 set peer 172.17.1.1
crypto map cmap 10 set ikev1 transform-set AES256
!
tunnel-group172.17.1.1 type ipsec-l2l
tunnel-group172.17.1.1 ipsec-attributes
ikev1 pre-shared-key Cisco123
```

- A. AES 256 can't be used with IKEv1
- B. IKEv1 is not enabled
- C. The IKEv1 policy number should be at least 256



D. There should be route for the 10.8.8.0/24 network configured

Correct Answer: B

QUESTION 4

In a spoke-to-spoke DMVPN topology, which type of interface does a branch router require?

- A. virtual tunnel interface
- B. multipoint GRE interface
- C. point-to-point GRE interface
- D. loopback interface

Correct Answer: B

QUESTION 5

Which algorithm does ISAKMP use to securely derive encryption and integrity keys?

- A. Diffie-Hellman
- B. AES
- C. ECDSA
- D. RSA
- E. 3DES

Correct Answer: A

A Diffie-Hellman group to determine the strength of the encryption-key-determination algorithm. The ASA uses this algorithm to derive the encryption and hash keys

https://www.cisco.com/c/en/us/td/docs/security/asa/asa84/configuration/guide/asa_84_cli_config/vpn_ike.pdf

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