300-730 Q&As

Implementing Secure Solutions with Virtual Private Networks (SVPN)

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QUESTION 1

What uses an Elliptic Curve key exchange algorithm?

A. ECDSA

B. ECDHE

C. AES-GCM

D. SHA

Correct Answer: B

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

QUESTION 2

Refer to the exhibit.

```
vrf definition Yellow
  rd 1:1
  route-target import 1:1
  route-target import 1:1
  route-target import 10:10
!
interface Tunnel0
  vrf forwarding Yellow
  ip address 10.0.0.1 255.255.255.0
  ip nhrp network-id 100
  ip nhrp authentication Yellow
  no ip split-horizon eigrp 1
  tunnel key 100
!
interface Ethernet0/0
  vrf forwarding Yellow
  ip address 192.168.0.1 255.255.255.0
!
router eigrp 1
  !
  address-family ipv4 vrf Yellow
    redistribute bgp 1
    network 10.0.0.0.0.0.0.255
    network 192.168.0.0
  exit-address-family
!
router bgp 1
  !
  address-family ipv4 vrf Yellow
    redistribute connected
    redistribute eigrp 1
  exit-address-family
```

```
vrf definition Red
  rd 2:2
  route-target export 2:2
  route-target import 2:2
  route-target import 10:10
!
interface Tunnel2
  vrf forwarding Red
  ip address 10.0.2.1 255.255.255.0
  ip nhrp network-id 102
  ip nhrp authentication Red
  no ip split-horizon eigrp 1
  tunnel key 102
!
interface Ethernet1/0
  vrf forwarding Red
  ip address 192.168.2.1 255.255.255.0
!
router eigrp 1
  !
  address-family ipv4 vrf Red
    redistribute bgp 1
    network 10.0.2.0.0.0.0.255
    network 192.168.2.0
  exit-address-family
!
router bgp 1
  !
  address-family ipv4 vrf Red
    redistribute connected
    redistribute eigrp 1
  exit-address-family
```

```
vrf definition Green
  rd 3:3
  route-target import 3:3
  route-target import 3:3
  route-target import 10:10
!
interface Tunnel4
  vrf forwarding Green
  ip address 10.0.4.1 255.255.255.0
  ip nhrp network-id 104
  ip nhrp authentication Green
  no ip split-horizon eigrp 1
  tunnel key 104
!
interface Ethernet2/0
  vrf forwarding Green
  ip address 192.168.4.1 255.255.255.0
!
router eigrp 1
  !
  address-family ipv4 vrf Green
    redistribute bgp 1
    network 10.0.4.0.0.0.0.255
    network 192.168.4.0
  exit-address-family
!
router bgp 1
  !
  address-family ipv4 vrf Green
    redistribute connected
    redistribute eigrp 1
  exit-address-family
```

Based on the configuration output, what is the VPN technology?

A. site-to-site

B. DMVPN

C. L2VPN

D. multicast VPN

Correct Answer: C

QUESTION 3

Refer to the exhibit.

```
interface: Tunnel1
    Crypto map tag: Tunnel1-head-0, local addr 192.168.0.1

   protected vrf: (none)
   local  ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
   remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
   current_peer 192.168.0.2 port 500
     PERMIT, flags={origin_is_acl,}
    #pkts encaps: 0, #pkts encrypt: 0, #pkts digest: 0
    #pkts decaps: 0, #pkts decrypt: 0, #pkts verify: 0
    #pkts compressed: 0, #pkts decompressed: 0
    #pkts not compressed: 0, #pkts compr. failed: 0
    #pkts not decompressed: 0, #pkts decompress failed: 0
    #send errors 0, #recv errors 0

     local crypto endpt.: 192.168.0.1, remote crypto endpt.: 192.168.0.2
     plaintext mtu 1438, path mtu 1500, ip mtu 1500, ip mtu idb GigabitEthernet1
     current outbound spi: 0x3D05D003(1023791107)
     PFS (Y/N): N, DH group: none
```

Which two tunnel types produce the show crypto ipsec sa output seen in the exhibit? (Choose two.)

A. crypto map

B. DMVPN

C. GRE

D. FlexVPN

E. VTI

Correct Answer: BE

for whoever tested it in the lab, For flexvpn the output of show crypto ipsec sa, starts with the following: CSR1#show crypto ipsec sa interface: Virtual-Access // not interface: Tunnel0

QUESTION 4

A network engineer must design a remote access solution to allow contractors to access internal servers. These contractors do not have permissions to install applications on their computers. Which VPN solution should be used in this design?

A. IKEv2 AnyConnect

B. Clientless

C. Port forwarding

D. SSL AnyConnect

Correct Answer: B

QUESTION 5

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