IPSEC VTI with IKEv2

S01_CSR01

interface **Tunnel2028**

 ip address 172.16.0.253 255.255.255.252

 tunnel source 222.255.255.254

 tunnel mode ipsec ipv4

 tunnel destination 11.2.24.254

 tunnel protection ipsec profile **IPSEC_VTI_PRO**

!

crypto ikev2 proposal **VTI_PROPO**

 encryption aes-cbc-256

 integrity sha512

 group 14

!

crypto ikev2 policy **VTI_POL**

 proposal **VTI_PROPO**

!

crypto ikev2 keyring **VTI_KEYRING**

 peer **SITE-02**

  address 11.2.24.254

  pre-shared-key local zte!@#

  pre-shared-key remote zte123

 !

```
!

crypto ikev2 profile VTI_PRO_01

 match identity remote address 11.2.24.254

 authentication remote pre-share

 authentication local pre-share

 keyring local VTI_KEYRING

!

crypto ipsec transform-set VTI_SET esp-aes esp-sha-hmac

 mode transport

!

crypto ipsec profile IPSEC_VTI_PRO

 set transform-set VTI_SET

 set ikev2-profile VTI_PRO_01

!

S02_CSR01

interface Tunnel2028

 ip address 172.16.0.254 255.255.255.252

 tunnel source 11.2.24.254

 tunnel mode ipsec ipv4

 tunnel destination 222.255.255.254

 tunnel protection ipsec profile IPSEC_VTI_PRO

!

crypto ikev2 proposal VTI_PROPO
```

```
  !

  encryption aes-cbc-256

  integrity sha512

  group 14

!

crypto ikev2 policy VTI_POL

  proposal VTI_PROPO

!

crypto ikev2 keyring VTI_KEYRING

  peer SITE-01

    address 222.255.255.254

    pre-shared-key local zte123

    pre-shared-key remote zte!@#

  !

!

crypto ikev2 profile VTI_PRO_01

  match identity remote address 222.255.255.254

  authentication remote pre-share

  authentication local pre-share

  keyring local VTI_KEYRING

!

crypto ipsec transform-set VTI_SET esp-aes esp-sha-hmac

  mode transport

!
```
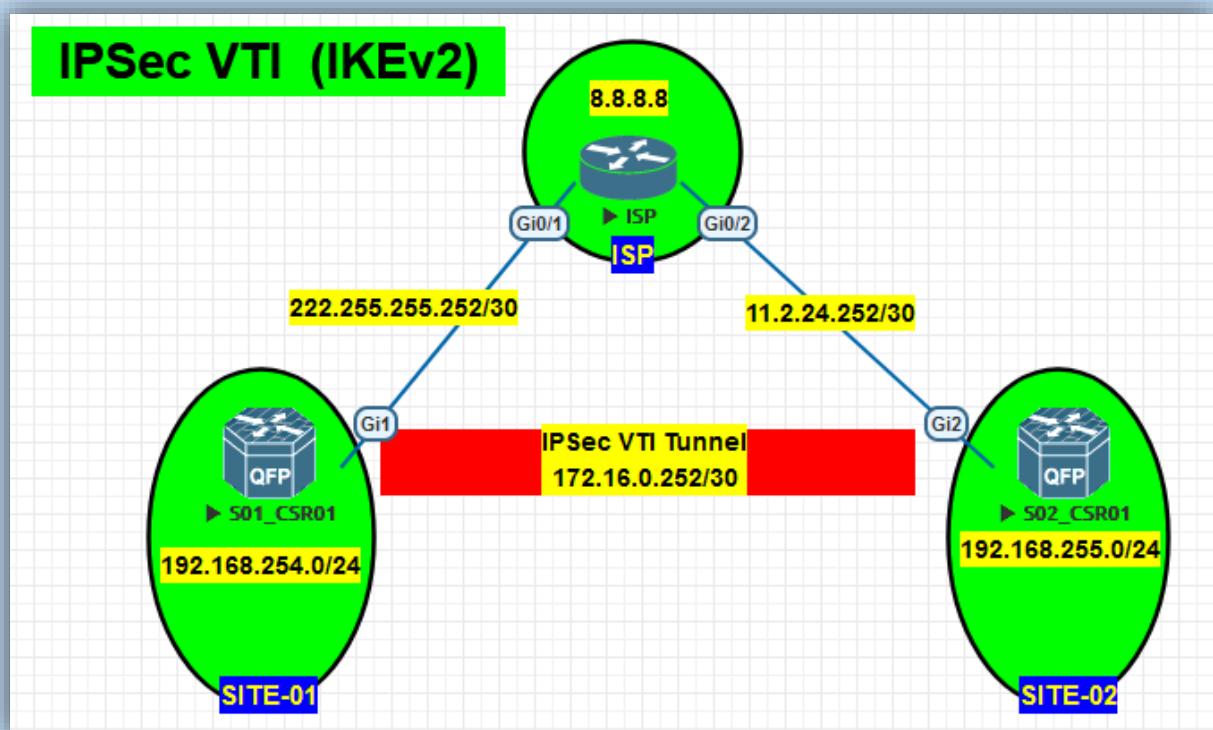
crypto ipsec profile **IPSEC_VTI_PRO**

set transform–set **VTI_SET**

set ikev2–profile **VTI_PRO_01**

!