



Router 3640R1 configuration:

```

3640R1#sh run
Building configuration...

Current configuration : 1970 bytes
!
version 12.2
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname 3640R1
!
crypto isakmp policy 10
 authentication pre-share
crypto isakmp key cisco address 192.168.10.2
crypto isakmp keepalive 10
!
crypto ipsec security-association idle-time 120
!

```

```
crypto ipsec transform-set 10 esp-3des esp-sha-hmac
!
crypto map tor2 local-address Loopback1
crypto map tor2 1 ipsec-isakmp
set peer 192.168.10.2
set transform-set 10
set pfs group1
match address 100
!
!
interface Loopback0
ip address 10.10.10.1 255.255.255.0
!
interface Loopback1
ip address 11.11.11.11 255.255.255.255
!
interface Serial1/0
! replace this address with another address within the same subnet and retest IPsec
ip address 192.168.10.1 255.255.255.0
serial restart_delay 0
crypto map tor2
!
router eigrp 10
network 10.10.10.0 0.0.0.255
network 11.11.11.11 0.0.0.0
network 192.168.10.0
no auto-summary
```

```
!  
access-list 100 permit ip 10.10.10.0 0.0.0.255 10.10.20.0 0.0.0.255  
3640R1#
```

Router 3640 R2 configuration:

```
3640R2#sh run  
Building configuration..  
  
Current configuration : 1848 bytes  
!  
version 12.2  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname 3640R2  
!  
!  
crypto isakmp policy 10  
authentication pre-share  
crypto isakmp key cisco address 11.11.11.11  
crypto isakmp keepalive 10  
!  
crypto ipsec security-association idle-time 120  
!  
crypto ipsec transform-set 10 esp-3des esp-sha-hmac  
!
```

```
crypto map tor1 1 ipsec-isakmp

set peer 11.11.11.11

set transform-set 10

set pfs group1

match address 100

!

!

interface Loopback0

ip address 10.10.20.1 255.255.255.0

interface Serial1/0

ip address 192.168.10.2 255.255.255.0

serial restart_delay 0

crypto map tor1

!

!

router eigrp 10

network 10.10.20.0 0.0.0.255

network 192.168.10.0

no auto-summary

!

access-list 100 permit ip 10.10.20.0 0.0.0.255 10.10.10.0 0.0.0.255

access-list 100 deny ip any any

3640R2#
```