

```

hostname R1
!
crypto isakmp policy 110
  encr 3des
  authentication pre-share
  group 2
  lifetime 10800
crypto isakmp key cisco address 172.168.10.2
!
crypto ipsec transform-set TSET esp-aes esp-md5-hmac
!
crypto map MAP 11 ipsec-isakmp
  set peer 172.168.10.2
  set transform-set TSET
  match address 102
!
interface FastEthernet0/0
  ip address 172.168.10.1 255.255.255.0
  duplex auto
  speed auto
  crypto map MAP
!
interface FastEthernet0/1
  ip address 10.10.10.1 255.255.255.0
  duplex auto
  speed auto
!
router eigrp 100
  network 10.10.10.0 0.0.0.255
  network 172.168.10.0 0.0.0.255
  auto-summary
!
access-list 102 permit tcp 10.10.10.0 0.0.0.255
                        host 172.168.10.2 eq www
!
end

hostname R2
!
username admin privilege 15 password 0 cisco
!
crypto isakmp policy 105
  encr 3des
  authentication pre-share
  group 2
  lifetime 10800
crypto isakmp key cisco address 172.168.10.1
!
crypto ipsec transform-set TSET esp-aes esp-md5-hmac
!
crypto map MAP 12 ipsec-isakmp
  set peer 172.168.10.1
  set transform-set TSET
  match address 105
!
interface FastEthernet0/0
  ip address 172.168.10.2 255.255.255.0
  duplex auto
  speed auto
  crypto map MAP
!
router eigrp 100
  network 172.168.10.0 0.0.0.255
  auto-summary
!
ip http server
ip http authentication local
!
access-list 105 permit tcp 10.10.10.0 0.0.0.255
                        host 172.168.10.2 eq www
!
end

```

Diagram illustrating the configuration of two routers, R1 and R2, for IPsec tunneling and access control.

Router R1 Configuration:

- Hostname: R1
- ISAKMP Policy 110: encr 3des, authentication pre-share, group 2, lifetime 10800.
- ISAKMP Key: cisco, address 172.168.10.2.
- IPsec Transform Set TSET: esp-aes esp-md5-hmac.
- IPsec Map MAP 11: ipsec-isakmp, set peer 172.168.10.2, set transform-set TSET, match address 102.
- Interface FastEthernet0/0: ip address 172.168.10.1 255.255.255.0, duplex auto, speed auto, crypto map MAP.
- Interface FastEthernet0/1: ip address 10.10.10.1 255.255.255.0, duplex auto, speed auto.
- Router eigrp 100: network 10.10.10.0 0.0.0.255, network 172.168.10.0 0.0.0.255, auto-summary.
- Access List 102: permit tcp 10.10.10.0 0.0.0.255 host 172.168.10.2 eq www.

Router R2 Configuration:

- Hostname: R2
- Username admin privilege 15 password 0 cisco.
- ISAKMP Policy 105: encr 3des, authentication pre-share, group 2, lifetime 10800.
- ISAKMP Key: cisco, address 172.168.10.1.
- IPsec Transform Set TSET: esp-aes esp-md5-hmac.
- IPsec Map MAP 12: ipsec-isakmp, set peer 172.168.10.1, set transform-set TSET, match address 105.
- Interface FastEthernet0/0: ip address 172.168.10.2 255.255.255.0, duplex auto, speed auto, crypto map MAP.
- Router eigrp 100: network 172.168.10.0 0.0.0.255, auto-summary.
- IP HTTP Server: ip http server, ip http authentication local.
- Access List 105: permit tcp 10.10.10.0 0.0.0.255 host 172.168.10.2 eq www.

Diagram Annotations:

- Red boxes highlight specific configuration elements.
- Red arrows indicate relationships and mappings:
 - Policy 110 on R1 is linked to Policy 105 on R2 via an equals sign (=).
 - Peer address 172.168.10.2 in R1's MAP 11 is linked to R2's FastEthernet0/0 interface.
 - Peer address 172.168.10.1 in R2's MAP 12 is linked to R1's FastEthernet0/0 interface.
 - Access List 102 on R1 and Access List 105 on R2 are linked via "origem" (source) and "destino" (destination) labels.
 - Access List 105 on R2 is linked to R1's Access List 102 via "origem" and "destino" labels.