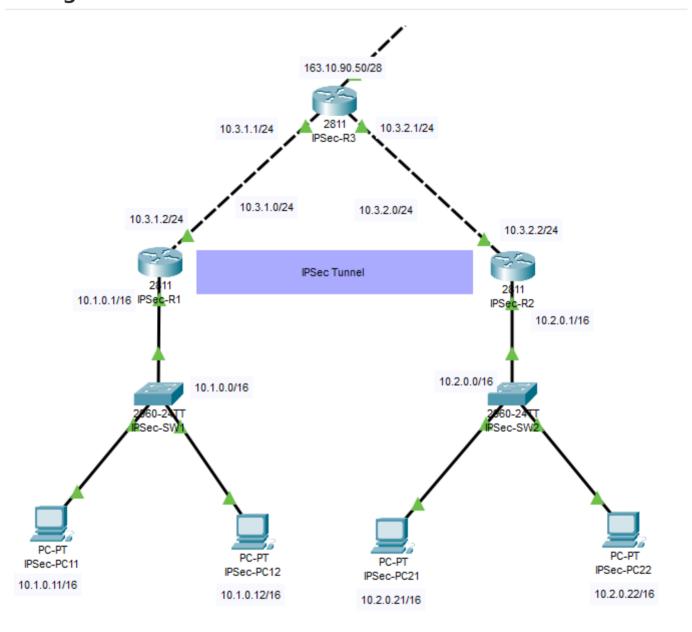
IPSec Cisco

Requirements

• You should have conectivity between the two routers you are going to make the tunnel

Configuration



ACL

IPSec-R1

```
R1(config)#access-list 100 permit ip 10.1.0.0 0.0.255.255 10.2.0.0 0.0.255.255
```

IPSec-R2

R2(config)#access-list 100 permit ip 10.2.0.0 0.0.255.255 10.1.0.0 0.0.255.255

ISAKMP polity (PHASE1) ISAKMP key

IPSec-R1

IPSec-R2

IPSec transform set (PHASE2)

IPSec-R1 & IPSec-R2

IPSec-R1(config)#crypto ipsec transform-set <name> esp-aes 256 esp-sha-hmac

Crypto map (tie it together)

IPSec-R1

```
IPSec-R1(config)#crypto map <name> 10 ipsec-isakmp
set peer 10.3.2.2
set pfs group5
set security-association lifetime seconds 900
set transform-set <name-of-the-transform-set-created-prevoiusly>
match address <number-of-access-list-created-previously>
```

IPSec-R2

```
IPSec-R2(config)#crypto map <name> 10 ipsec-isakmp
set peer 10.3.1.2
set pfs group5
set security-association lifetime seconds 900
set transform-set <name-of-the-transform-set-created-prevoiusly>
match address <number-of-access-list-created-previously>
```

Assign crypto map to WAN interface

IPSec-R1

IPSec-R2