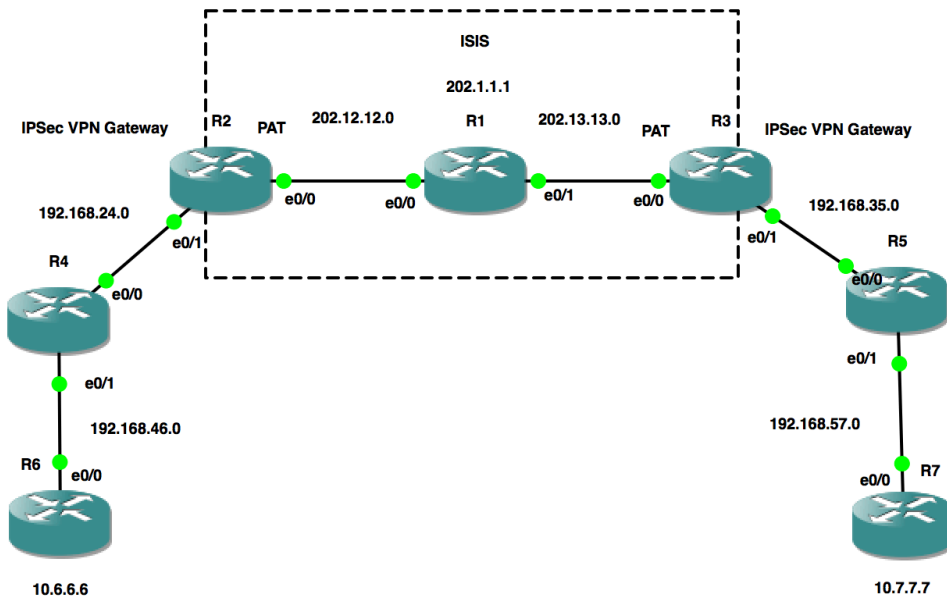


## 实验：IPsec NAT 一起

2015年1月26日 星期一 下午11:55



### R1

```
interface Loopback0
ip address 202.1.1.1 255.255.255.255
ip router isis cisco
!
interface Ethernet0/0
ip address 202.12.12.1 255.255.255.0
ip router isis cisco
!
interface Ethernet0/1
ip address 202.13.13.1 255.255.255.0
ip router isis cisco
!
router isis cisco
net 49.0001.ca01.0bbc.0000.00
is-type level-2-only
```

### R2

```
crypto isakmp policy 10
authentication pre-share
crypto isakmp key cisco address 202.13.13.3
! //对端NAT出口地址
crypto ipsec transform-set ZJW esp-aes esp-md5-hmac
!
crypto map ZJW 10 ipsec-isakmp
set peer 202.13.13.3
set transform-set ZJW
match address 100
!
interface Ethernet0/0
ip address 202.12.12.2 255.255.255.0
ip router isis cisco
```

### R3

```
crypto isakmp policy 10
authentication pre-share
crypto isakmp key cisco address 202.12.12.2
!
crypto ipsec transform-set ZJW esp-aes esp-md5-hmac
!
crypto map ZJW 10 ipsec-isakmp
set peer 202.12.12.2
set transform-set ZJW
match address 100
!
interface Ethernet0/0
ip address 202.13.13.3 255.255.255.0
ip router isis cisco
```

```

ip nat outside
crypto map ZJW
!
interface Ethernet0/1
ip address 192.168.24.2 255.255.255.0
ip nat inside
!
router isis cisco
net 49.0001.ca02.0bbc.0000.00
is-type level-2-only
!
router rip
version 2
network 192.168.24.0
default-information originate
no auto-summary
!
ip route 0.0.0.0 0.0.0.0 202.12.12.1
!
ip nat inside source list allow interface Ethernet0/0 overload
!
ip access-list extended allow
deny ip host 10.6.6.6 host 10.7.7.7
//阻止该流量被NAT转换，否则对端无法识别
permit ip any any//放行其它路由
access-list 100 permit ip host 10.6.6.6 host 10.7.7.7
!

```

#### R4

```

interface Ethernet0/0
ip address 192.168.24.4 255.255.255.0
!
interface Ethernet0/1
ip address 192.168.46.4 255.255.255.0
!
router rip
version 2
network 192.168.24.0
network 192.168.46.0
no auto-summary
!

```

#### R6

```

interface Loopback0
ip address 10.6.6.6 255.255.255.255
!
interface Ethernet0/0
ip address 192.168.46.6 255.255.255.0
!
router rip
version 2
network 10.0.0.0
network 192.168.46.0
no auto-summary

```

```

ip nat outside
crypto map ZJW
!
interface Ethernet0/1
ip address 192.168.35.3 255.255.255.0
ip nat inside
!
router isis cisco
net 49.0001.ca03.0bbc.0000.00
is-type level-2-only
!
router rip
version 2
network 192.168.35.0
default-information originate
no auto-summary
!
ip route 0.0.0.0 0.0.0.0 202.13.13.1
!
ip nat inside source list allow interface Ethernet0/0 overload
!
ip access-list extended allow
deny ip host 10.7.7.7 host 10.6.6.6
permit ip any any
access-list 100 permit ip host 10.7.7.7 host 10.6.6.6
!

```

#### R5

```

interface Ethernet0/0
ip address 192.168.35.5 255.255.255.0
!
interface Ethernet0/1
ip address 192.168.57.5 255.255.255.0
!
router rip
version 2
network 192.168.35.0
network 192.168.57.0
no auto-summary

```

#### R7

```

interface Loopback0
ip address 10.7.7.7 255.255.255.255
!
interface Ethernet0/0
ip address 192.168.57.7 255.255.255.0
!
router rip
version 2
network 10.0.0.0
network 192.168.57.0
no auto-summary

```