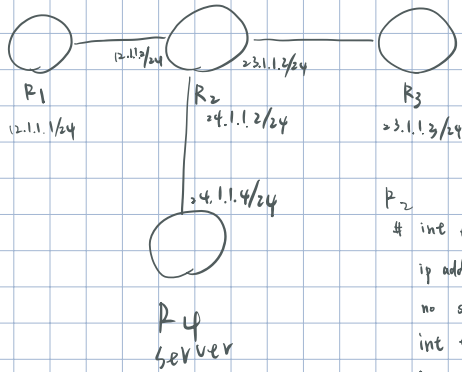


Windows firewall (防火墙)

静态 NAT: 在路由器上设置服务器



```
R4
# int e0/0
# ip addr 24.1.1.4 255.255.255.0
# no shut
# ip route 0.0.0.0 0.0.0.0 24.1.1.2
# line vty 0 4
# password 123
# login
# transport input telnet
```

```
R2
# int e0/0
ip addr 12.1.1.2 255.255.255.0
no shut
int e0/1
ip addr 23.1.1.2 255.255.255.0
no shut
do sh ip int br
int e0/2
ip addr 24.1.1.2 255.255.255.0
no shut
# telnet 24.1.1.4
```

```
R3
# int s0/1
ip addr 3.3.3.3 255.255.255.0
no shut
# int s0/1
ip addr 8.8.8.8 255.255.255.0
no shut
# int e0/0
# ip addr 23.1.1.3 255.255.255.0
# no shut
```

```
R4
# ping 24.1.1.2
✓
ping 23.1.1.2
✓
ping 23.1.1.3
X
```

```
R3
# ping 23.1.1.2
# telnet 23.1.1.2
```

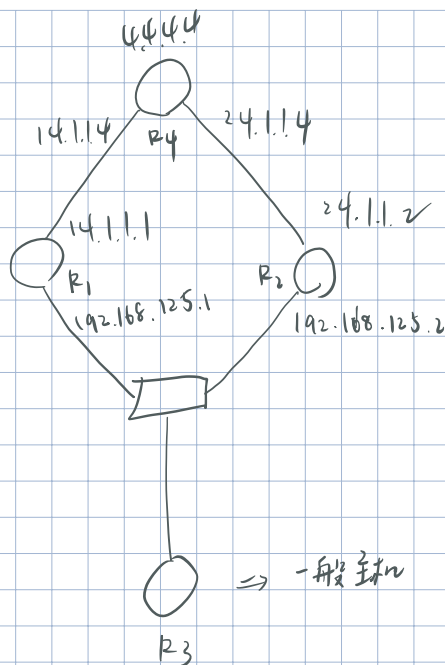
```
R2
# access-list 1 permit 24.1.1.0 0.0.0.255
# ip nat pool NAT 23.1.1.2 23.1.1.2 netmask 255.255.255.0
# int e0/1
# ip nat outside
# int e0/2
# ip nat inside
# exit
# ip nat inside source list 1 pool NAT overload
# ip nat inside source static tcp 24.1.1.4 23 23.1.1.2 23
```

```
R4
# ping 23.1.1.3
✓
```

```
R3
# telnet 23.1.1.2 => R4
```

冗余配置:

VIP: 逻辑IP



R3 - client

```

# no ip routing 不要路由功能
# int e0/0
# ip addr 192.168.125.10 255.255.255.0
# no shut
# ip default-gateway 192.168.125.3
# do sh ip route
  
```

```

# router rip
# version 2
# no au
# network 14.1.1.0
           192.168.125.0
  
```

R4

```

# int e0/0
# ip addr 14.1.1.4 255.255.255.0
# no shut
# int e0/1
# ip addr 24.1.1.4 255.255.255.0
# no shut
# int lo1
# ip addr 4.4.4.4 255.255.255.0
# no shut
  
```

```

# router rip
# version 2
# no au
# network 14.1.1.0
           24.1.1.0
           4.4.4.0
  
```

R1

```

# int e0/0
# ip addr 192.168.125.1 255.255.255.0
# no shut
# int e0/1
# ip addr 14.1.1.1 255.255.255.0
# no shut
# router rip
# network 192.168.125.0
           14.1.1.0
# version 2
# no au
  
```

R2

```

# int e0/0
# ip addr 192.168.125.2 255.255.255.0
# no shut
# int e0/1
# ip addr 24.1.1.2 255.255.255.0
# no shut
# router rip
# network 192.168.125.0
           24.1.1.0
# version 2
# no au
  
```

R1
 # int e0/0
 # standby 1 ip 192.168.125.3
 # standby 1 priority 120

R2
 # int e0/0
 # standby 1 ip 192.168.125.3

R1
 # do sh ip arp
 # do sh standby

R2
 # do sh ip arp
 # do sh standby

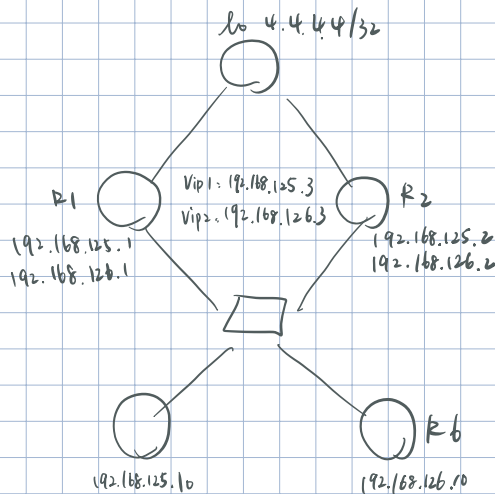
R1 not shut

R3
 # traceroute 4.4.4.4

192.168.125.2
 2 4.4.4.4 8 msec 10 msec

R1
 # int e0/0
 # shut

R3
 # traceroute 4.4.4.4
 1 192.168.125.2
 2 24.1.1.4



R6 - client2
 # no ip routing
 # int e0/0
 # ip addr 192.168.126.10
 # no shut
 # ip default-gateway 192.168.126.3
 # do sh ip route

router rip
 # version 2
 # no au
 # network 192.168.126.0

R1

```
# int e0/0
# ip addr 192.168.126.1 255.255.255.0 secondary
# do sh ip int
```

```
# int e0/0
# standby 2 ip 192.168.126.3
# standby 2 priority 100
```

```
# standby 1 preempt
# do sh standby
```

```
# router rip
# network 192.168.126.0
```

R6

```
# traceroute 4.4.4.4
```

```
192.168.125.2
24.1.1.4
```

R2

```
# int e0/0
# ip addr 192.168.126.2 255.255.255.0 secondary
# do sh ip int
```

```
# int e0/0
# standby 2 ip 192.168.126.3
# standby 2 priority 120
# standby 2 preempt
```

```
# do sh standby
```

```
# router rip
# network 192.168.126.0
```

R3

```
# traceroute 4.4.4.4
```

```
192.168.125.1
14.1.1.4
```