



R1 configuration

interface FastEthernet0/0

ip address 192.168.1.1 255.255.255.0

duplex full

!

interface Serial1/0

ip address 10.0.0.1 255.0.0.0

serial restart-delay 0

router rip

version 2

network 10.0.0.0

network 192.168.1.0

R2 configuration

interface Loopback1

```
ip address 30.0.0.1 255.0.0.0
```

```
!
```

```
interface FastEthernet0/0
```

```
no ip address
```

```
shutdown
```

```
duplex full
```

```
!
```

```
interface Serial1/0
```

```
ip address 10.0.0.2 255.255.255.0
```

```
serial restart-delay 0
```

```
!
```

```
interface Serial1/1
```

```
ip address 20.0.0.2 255.255.255.0
```

```
serial restart-delay 0
```

```
router rip
```

```
version 2
```

```
network 10.0.0.0
```

```
network 20.0.0.0
```

```
network 30.0.0.0
```

```
R3 configuration
```

```
interface FastEthernet0/0
```

```
ip address 192.168.3.1 255.255.255.0
```

```
duplex full
```

```
!
```

```
interface Serial1/0
```

```
no ip address
```

```
shutdown
```

```
serial restart-delay 0
```

```
!
```

```
interface Serial1/1
```

```
ip address 20.0.0.1 255.255.255.0
```

```
serial restart-delay 0
```

```
router rip
```

```
version 2
```

```
network 20.0.0.0
```

```
network 192.168.3.0
```

```
PC1> ping 192.168.1.1
```

```
84 bytes from 192.168.1.1 icmp_seq=1 ttl=255 time=53.289 ms
```

```
84 bytes from 192.168.1.1 icmp_seq=2 ttl=255 time=9.361 ms
```

```
PC2> ping 192.168.3.1
```

```
192.168.3.1 icmp_seq=1 timeout
```

```
192.168.3.1 icmp_seq=2 timeout
```