

For this lab section, refer to Figure 26-2 on page 912 of the book.

Step 1

```
hostname r4
!
!
ip subnet-zero
no ip domain-lookup
!
!
key chain ccie
  key 6727
    key-string cisco
!
interface Loopback4
  ip address 4.4.4.4 255.255.255.255
!
interface Ethernet0
  ip address 140.100.47.4 255.255.255.192
  ip rip send version 2
  ip rip receive version 2
  ip rip authentication mode md5
  ip rip authentication key-chain ccie
!
!
router rip
  version 2
network 4.0.0.0
network 140.100.0.0
  default-information originate
  no auto-summary
!
ip classless

r4#sho ip route rip
      67.0.0.0/24 is subnetted, 1 subnets
R       67.67.67.0 [120/1] via 140.100.47.7, 00:00:06,
Ethernet0

hostname r7
!
!
ip subnet-zero
!
!
key chain ccie
  key 6727
    key-string cisco
!
!
interface Loopback6727
```

```
description Test Loopback for RIPv2
ip address 67.67.67.1 255.255.255.0
!
interface Ethernet0
ip address 140.100.47.7 255.255.255.192
ip rip send version 2
ip rip receive version 2
ip rip authentication mode md5
ip rip authentication key-chain ccie
!
!
router rip
version 2
network 140.100.0.0
network 67.0.0.0
no auto-summary
```

Step 2

```
hostname r3
!
ip subnet-zero
no ip domain-lookup
!
interface Loopback3
ip address 3.3.3.3 255.255.255.255
!
interface Ethernet0
ip address 130.100.1.3 255.255.255.0
!
interface Serial0
no ip address
encapsulation frame-relay
no fair-queue
frame-relay lmi-type ansi
!
interface Serial0.1 point-to-point
ip address 150.100.31.3 255.255.255.240
traffic-shape rate 64000 8000 8000 1000
traffic-shape adaptive 32000
frame-relay interface-dlci 301
!
interface Serial0.2 point-to-point
ip address 150.100.32.3 255.255.255.224
frame-relay interface-dlci 302
!
interface Serial0.3 point-to-point
ip address 150.100.33.3 255.255.255.248
frame-relay interface-dlci 304
!
router rip
version 1
network 130.100.0.0
!
```

```
ip classless
```

```
pix1# sho config
```

```
PIX Version 6.2(2)
```

```
nameif ethernet0 outside security0
```

```
nameif ethernet1 inside security100
```

```
nameif ethernet2 DMZ security10
```

```
hostname pix1
```

```
domain-name cisco.com
```

```
names
```

```
interface ethernet0 auto
```

```
interface ethernet1 auto
```

```
interface ethernet2 auto
```

```
mtu outside 1500
```

```
mtu inside 1500
```

```
mtu DMZ 1500
```

```
ip address outside 130.100.1.1 255.255.255.0
```

```
ip address inside 10.1.1.1 255.255.255.0
```

```
ip address DMZ 192.168.1.223 255.255.255.0
```

```
rip outside passive version 1
```

```
rip inside passive version 2 authentication md5 ccie 2
```

```
hostname r9
```

```
!
```

```
!
```

```
key chain lab
```

```
key 2
```

```
key-string ccie
```

```
!
```

```
interface Loopback9
```

```
ip address 9.9.9.9 255.255.255.255
```

```
!
```

```
interface Loopback19
```

```
ip address 19.19.19.19 255.255.255.0
```

```
!
```

```
interface Ethernet0
```

```
ip address 10.1.1.9 255.255.255.0
```

```
ip rip authentication mode md5
```

```
ip rip authentication key-chain lab
```

```
!
```

```
router rip
```

```
version 2
```

```
network 9.0.0.0
```

```
network 10.0.0.0
```

```
network 19.0.0.0
```

```
no auto-summary
```

```
!
```

```
ip classless
```

```
ip route 0.0.0.0 0.0.0.0 10.1.1.1
```

Step 3

```
hostname r8
!
enable password 7 05080F1C2243
!

interface FastEthernet0/1
 ip address 192.168.1.1 255.255.255.0
 duplex auto
 speed auto
!
router rip
 version 1
 network 192.168.1.0
```

```
hostname r6
!
ip subnet-zero
!
key chain ccie
 key 1
  key-string ccie
!
!
interface Loopback6
 ip address 6.6.6.6 255.255.255.255
!
interface FastEthernet0/0
 ip address 130.100.26.6 255.255.255.224
 ip rip authentication mode md5
 ip rip authentication key-chain ccie
 speed 10
 half-duplex
!
router rip
 version 2
 network 130.100.0.0
 no auto-summary
!
ip classless
```

```
PIX2# sho config
PIX Version 6.2(2)
nameif ethernet0 outside security0
nameif ethernet1 inside security100
nameif ethernet2 DMZ2 security10
nameif ethernet3 DMZ3 security15

hostname PIX2
```

```
interface ethernet0 10full
interface ethernet1 auto
interface ethernet2 auto
interface ethernet3 10baset
```

```
mtu outside 1500
mtu inside 1500
mtu DMZ2 1500
mtu DMZ3 1500
```

```
ip address outside 130.100.26.2 255.255.255.224
ip address inside 192.168.1.222 255.255.255.0
ip address DMZ2 172.16.23.1 255.255.255.0
ip address DMZ3 172.16.22.1 255.255.255.0
```

```
rip outside passive version 2 authentication md5 ccie 1
rip inside passive version 1
```

```
route outside 0.0.0.0 0.0.0.0 130.100.26.6 1
route inside 8.8.8.0 255.255.255.0 192.168.1.1 1
```