



Figure 1 Section 3: Frame Relay

Step 1

```

Configuration items for R1:
!
hostname R1
!
enable secret 5 $1$1xxK$LWh42sY9aO17mvAuehLPM.
!
ip subnet-zero
no ip finger
no ip domain-lookup
!
interface Loopback1
ip address 1.1.1.1 255.255.255.255
!
interface Serial0
ip address 150.100.31.1 255.255.255.240
encapsulation frame-relay
frame-relay map ip 150.100.31.3 101 broadcast
frame-relay lmi-type ansi
ip classless

```

Configuration items for R2:

```
hostname R2
!
enable secret 5 $1$OiDj$4.39veJ97UQ7La4nOLLiC0
!
interface Loopback2
 ip address 2.2.2.2 255.255.255.255
!
interface Serial0
 ip address 150.100.32.2 255.255.255.224
 encapsulation frame-relay
 frame-relay map ip 150.100.32.3 202 broadcast
 frame-relay lmi-type ansi
!
ip classless
```

```
hostname R3
!
ip subnet-zero
!
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
 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
```

```
hostname r4
!
interface Loopback4
 ip address 4.4.4.4 255.255.255.255
!
interface Ethernet0
 ip address 140.100.47.4 255.255.255.192
!
```

```
interface Serial0
 ip address 150.100.33.4 255.255.255.248
 encapsulation frame-relay
 frame-relay map ip 150.100.33.3 404 broadcast
 frame-relay lmi-type ansi
!
ip classless
```

Step 2

```
hostname R1
!
ip subnet-zero
!
interface Loopback1
 ip address 1.1.1.1 255.255.255.255
!
!
interface Serial0
 ip address 150.100.31.1 255.255.255.240
 encapsulation frame-relay
 traffic-shape rate 512000 12800 12800 1000
 traffic-shape adaptive 32000
 frame-relay map ip 150.100.31.3 101 broadcast
 frame-relay lmi-type ansi
!
ip classless
```

```
Configuration items for R2:
hostname R2
!
enable secret 5 $1$OidJ$4.39veJ97UQ7La4nOLLiC0
!
ip subnet-zero
!
interface Loopback2
 ip address 2.2.2.2 255.255.255.255
!
interface Serial0
 ip address 150.100.32.2 255.255.255.224
 encapsulation frame-relay
 frame-relay map ip 150.100.32.3 202 broadcast
 frame-relay lmi-type ansi
!
ip classless
```

```
hostname R3
!
ip subnet-zero
!
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
clockrate 64000
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
!
ip classless
```

```
hostname r4
!
ip subnet-zero
!
interface Loopback4
ip address 4.4.4.4 255.255.255.255
!
interface Ethernet0
ip address 140.100.47.4 255.255.255.192
!
interface Serial0
ip address 150.100.33.4 255.255.255.248
encapsulation frame-relay
frame-relay map ip 150.100.33.3 404 broadcast
frame-relay lmi-type ansi
!
ip classless
```