

```
config t
router bgp 17821
address-family ipv4
no auto-summary
no synchronization
neighbor IPV4-iBGP-REG1 peer-group
neighbor IPV4-iBGP-REG1 remote-as 17821
neighbor IPV4-iBGP-REG1 update-source loopback 0
neighbor 172.16.15.2 peer-group IPV4-iBGP-REG1
neighbor 172.16.15.3 peer-group IPV4-iBGP-REG1
exit
exit
exit
wr
```

```
sh bgp ipv4 unicast summary
sh bgp ipv4 unicast
sh ip route bgp
```

#### IPv6 iBGP Conf Router1:

```
config t
router bgp 17821
address-family ipv6
no synchronization
neighbor IPV6-iBGP-REG1 peer-group
neighbor IPV6-iBGP-REG1 remote-as 17821
neighbor IPV6-iBGP-REG1 update-source loopback 0
neighbor 2406:6400::2 peer-group IPV6-iBGP-REG1
neighbor 2406:6400::3 peer-group IPV6-iBGP-REG1
exit
exit
exit
wr
```

#### Verify IPV6 iBGP Configuration:

```
sh bgp ipv6 unicast summary
sh bgp ipv6 unicast
sh ipv6 route bgp
```

#### IPv4 iBGP Conf Router2

```
config t
router bgp 17821
address-family ipv4
no auto-summary
no synchronization
neighbor IPV4-iBGP-REG1 peer-group
neighbor IPV4-iBGP-REG1 remote-as 17821
neighbor IPV4-iBGP-REG1 update-source loopback 0
neighbor 172.16.15.1 peer-group IPV4-iBGP-REG1
neighbor 172.16.15.3 peer-group IPV4-iBGP-REG1
neighbor IPV4-iBGP-TRCORE peer-group
neighbor IPV4-iBGP-TRCORE remote-as 17821
neighbor IPV4-iBGP-TRCORE update-source loopback 0
neighbor 172.16.15.5 peer-group IPV4-iBGP-TRCORE
neighbor 172.16.15.8 peer-group IPV4-iBGP-TRCORE
neighbor 172.16.15.11 peer-group IPV4-iBGP-TRCORE
exit
exit
exit
wr
```

Verify IPV4 iBGP Configuration:

```
sh bgp ipv4 unicast summary
sh bgp ipv4 unicast
sh ip route bgp
```

IPv6 iBGP Conf Router2

```
config t
router bgp 17821
address-family ipv6
no synchronization
neighbor IPV6-iBGP-REG1 peer-group
neighbor IPV6-iBGP-REG1 remote-as 17821
neighbor IPV6-iBGP-REG1 update-source loopback 0
neighbor 2406:6400::1 peer-group IPV6-iBGP-REG1
neighbor 2406:6400::3 peer-group IPV6-iBGP-REG1
neighbor IPV6-iBGP-TRCORE peer-group
neighbor IPV6-iBGP-TRCORE remote-as 17821
neighbor IPV6-iBGP-TRCORE update-source loopback 0
neighbor 2406:6400::5 peer-group IPV6-iBGP-TRCORE
neighbor 2406:6400::8 peer-group IPV6-iBGP-TRCORE
neighbor 2406:6400::11 peer-group IPV6-iBGP-TRCORE
exit
exit
exit
wr
```

Verify IPV6 iBGP Configuration:

```
sh bgp ipv6 unicast summary
sh bgp ipv6 unicast
sh ipv6 route bgp
```

IPV4 iBGP Conf Router3

```
config t
router bgp 17821
address-family ipv4
no auto-summary
no synchronization
neighbor IPV4-iBGP-REG1 peer-group
neighbor IPV4-iBGP-REG1 remote-as 17821
neighbor IPV4-iBGP-REG1 update-source loopback 0
neighbor 172.16.15.2 peer-group IPV4-iBGP-REG1
neighbor 172.16.15.1 peer-group IPV4-iBGP-REG1
exit
exit
```

```
exit
wr
```

Verify IPV4 iBGP Configuration:

```
sh bgp ipv4 unicast summary
sh bgp ipv4 unicast
sh ip route bgp
```

IPv6 iBGP Conf Router3

```
config t
router bgp 17821
address-family ipv6
no synchronization
neighbor IPV6-iBGP-REG1 peer-group
neighbor IPV6-iBGP-REG1 remote-as 17821
neighbor IPV6-iBGP-REG1 update-source loopback 0
neighbor 2406:6400::2 peer-group IPV6-iBGP-REG1
neighbor 2406:6400::1 peer-group IPV6-iBGP-REG1
exit
exit
exit
wr
```

Verify IPV6 iBGP Configuration:

```
sh bgp ipv6 unicast summary
sh bgp ipv6 unicast
sh ipv6 route bgp
```