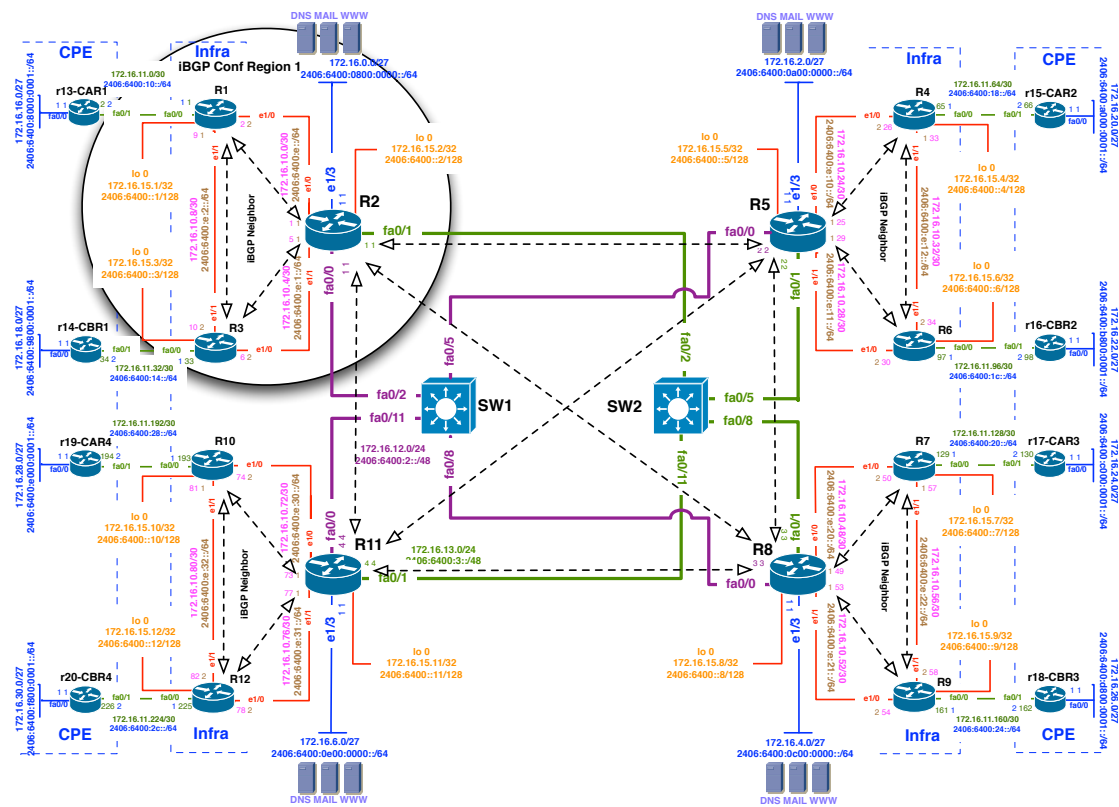


Route Reflector (RR) Conf Training ISP Network Region 1 (One RR per region):



IPv4 RR Configuration on Router1 (One RR Server per region):

No configuration required

Wait for R2 to finish configuration then perform following verification to analyze network effect.

Verify IPv4 RR Configuration:

```
sh bgp ipv4 unicast summary
sh bgp ipv4 unicast
sh ip route bgp
sh bgp ipv4 unicast neighbors [router 1.....router12 loopback] advertised-
routes
sh bgp ipv4 unicast neighbors [router 1.....router12 loopback] received-
routes/routes
sh ip route [R2, R5, R8, R11 datacenter & R1, R3, R4, R6, R7, R9, R10, R12
CS WAN Link prefix]
```

IPv6 RR Configuration Router1 (One RR Server per region):

No configuration required

Wait for R2 to finish configuration then perform following verification to analyze network effect.

Verify IPV6 RR Configuration:

```
sh bgp ipv6 unicast summary
sh bgp ipv6 unicast
sh ipv6 route bgp
sh bgp ipv6 unicast neighbors [router 1.....router12 loopback] advertised-
routes
sh bgp ipv6 unicast neighbors [router 1.....router12 loopback] received-
routes/routes
sh ipv6 route [R2, R5, R8, R11 datacenter & R1, R3, R4, R6, R7, R9, R10,
R12 CS WAN Link prefix]
```

IPv4 RR Configuration on Router2 (One RR Server per region):

```
config t
router bgp 17821
address-family ipv4
neighbor IPV4-iBGP-REG1 route-reflector-client
exit
exit
exit
wr
```

Verify IPv4 RR Configuration:

```
sh bgp ipv4 unicast summary
sh bgp ipv4 unicast
sh ip route bgp
sh bgp ipv4 unicast neighbors [router 1.....router12 loopback] advertised-
routes
sh bgp ipv4 unicast neighbors [router 1.....router12 loopback] received-
routes/routes
sh ip route [R2, R5, R8, R11 datacenter & R1, R3, R4, R6, R7, R9, R10, R12
CS WAN Link prefix]
```

IPv6 RR Configuration Router2 (One RR Server per region):

```
config t
router bgp 17821
address-family ipv6
neighbor IPV6-iBGP-REG1 route-reflector-client
exit
exit
exit
wr
```

Verify IPV6 RR Configuration:

```
sh bgp ipv6 unicast summary
sh bgp ipv6 unicast
sh ipv6 route bgp
sh bgp ipv6 unicast neighbors [router 1.....router12 loopback] advertised-
routes
sh bgp ipv6 unicast neighbors [router 1.....router12 loopback] received-
routes/routes
sh ipv6 route [R2, R5, R8, R11 datacenter & R1, R3, R4, R6, R7, R9, R10,
R12 CS WAN Link prefix]
```

IPv4 RR Configuration on Router3 (One RR Server per region):

No configuration required

Wait for R2 to finish configuration then perform following verification to analyze network effect.

Verify IPv4 RR Configuration:

```
sh bgp ipv4 unicast summary
sh bgp ipv4 unicast
sh ip route bgp
sh bgp ipv4 unicast neighbors [router 1.....router12 loopback] advertised-
routes
sh bgp ipv4 unicast neighbors [router 1.....router12 loopback] received-
routes/routes
sh ip route [R2, R5, R8, R11 datacenter & R1, R3, R4, R6, R7, R9, R10, R12
CS WAN Link prefix]
```

IPV6 RR Configuration Router3 (One RR Server per region):

No configuration required

Wait for R2 to finish configuration then perform following verification to analyze network effect.

Verify IPV6 RR Configuration:

```
sh bgp ipv6 unicast summary
sh bgp ipv6 unicast
sh ipv6 route bgp
sh bgp ipv6 unicast neighbors [router 1.....router12 loopback] advertised-
routes
sh bgp ipv6 unicast neighbors [router 1.....router12 loopback] received-
routes/routes
sh ipv6 route [R2, R5, R8, R11 datacenter & R1, R3, R4, R6, R7, R9, R10,
R12 CS WAN Link prefix]
```