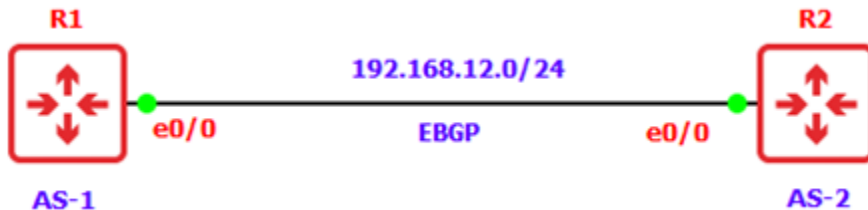


BGP Active and Passive:

- o By default, neighbor with lowest BGP RID will establish connection.
- o Border Gateway Protocol Active having a higher random port > 1023.
- o Border Gateway Protocol (BGP) the Passive having TCP Port no 179.
- o In Border Gateway Protocol Active is called Client & Passive is Server.
- o In Border Gateway Protocol (BGP), this behavior can be modified.



R1 Configuration

```
R1(config)#router bgp 1
R1(config-router)#neighbor 192.168.12.2 remote-as 2
```

R2 Configuration

```
R2(config)#router bgp 2
R2(config-router)#neighbor 192.168.12.1 remote-as 1
```

```
R1#show ip bgp neighbors | in host
Local host: 192.168.12.1, Local port: 179
Foreign host: 192.168.12.2, Foreign port: 25117
```

```
R2#show ip bgp nei | in host
Local host: 192.168.12.2, Local port: 25117
Foreign host: 192.168.12.1, Foreign port: 179
```

After clear BGP this time R1 become active and R2 become Passive.

```
R1#clear ip bgp *
R1#show ip bgp neighbors | in host
Local host: 192.168.12.1, Local port: 65479
Foreign host: 192.168.12.2, Foreign port: 179
```

Manually Active & Passive

```
R1(config)#router bgp 1
R1(config-router)#neighbor 192.168.12.2 transport connection-mode passive
R2(config)#router bgp 2
R2(config-router)#neighbor 192.168.12.1 transport connection-mode active
```