> **Manual VRF com BGP - Protocolos de Transporte e Roteamento**
>
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1 - Pré-requisitos

- Topologia conectada fisicamente
- Interfaces com IP configurado
- Dispositivos com suporte a VRF (virtual routing and forwarding)
- IP routing ativado

```
ip routing
```

2 - Criação e Associação de VRF

Criar VRFs

```
ip vrf CLIENTE1
 rd 100:1
 route-target export 100:1
 route-target import 100:1

ip vrf CLIENTE2
 rd 200:1
 route-target export 200:1
 route-target import 200:1
```

Associar VRF às interfaces

```
interface GigabitEthernet0/0
 ip vrf forwarding CLIENTE1
 ip address <IP> <MASK>

interface GigabitEthernet0/1
 ip vrf forwarding CLIENTE2
 ip address <IP> <MASK>
```

3 - Configuração do BGP com VRF

Ativar BGP com VRF

```
router bgp <AS_NUMBER>
 address-family ipv4 vrf CLIENTE1
  redistribute connected
  neighbor <IP> remote-as <AS>
  neighbor <IP> activate

 address-family ipv4 vrf CLIENTE2
  redistribute connected
  neighbor <IP> remote-as <AS>
  neighbor <IP> activate
```

4 - Verificação e Testes

```
show ip route vrf CLIENTE1
show ip bgp vpnv4 all
show ip bgp vpnv4 vrf CLIENTE1
show ip bgp vpnv4 vrf CLIENTE2

show ip vrf
ping vrf CLIENTE1 <IP>
traceroute vrf CLIENTE2 <IP>
```

5 - Salvar configurações no roteador

```
write memory
```