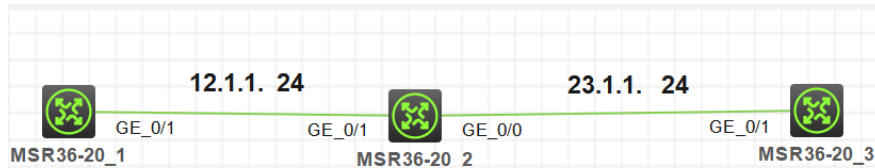


# 知 GRE结合VRF配置

VPN实例 姚一鸣 2020-04-13 发表

## 组网及说明



msr1 1口 (vrf1) -----1口 msr2 0口-----1口 msr3 loop0 (vrf2)

## 配置步骤

```
#
ip vpn-instance 1
#
ip route-static vpn-instance 1 0.0.0.0 0 12.1.1.2
#
interface GigabitEthernet0/1
ip binding vpn-instance 1
ip address 12.1.1.1 255.255.255.0
#
interface Tunnel0 mode gre
ip address 192.168.1.1 255.255.255.0
ospf 1 area 0.0.0.0
source 12.1.1.1
destination 23.1.1.3
tunnel vpn-instance 1
#
[H3C-Tunnel0]dis ospf peer
OSPF Process 1 with Router ID 192.168.1.1
Neighbor Brief Information
Area: 0.0.0.0
Router ID Address Pri Dead-Time State Interface
4.4.4.4 192.168.1.2 1 39 Full/ - Tun0
[H3C-Tunnel0]dis ip rou
Destinations : 13 Routes : 13
Destination/Mask Proto Pre Cost NextHop Interface
0.0.0.0/32 Direct 0 0 127.0.0.1 InLoop0
4.4.4.4/32 O_INTRA 10 1562 192.168.1.2 Tun0

MSR3
#
ip vpn-instance 2
#
ip route-static 0.0.0.0 0 23.1.1.2
#
interface GigabitEthernet0/1
ip address 23.1.1.3 255.255.255.0
#
interface Tunnel1 mode gre
ip binding vpn-instance 2
ip address 192.168.1.2 255.255.255.0
ospf 2 area 0.0.0.0
source 23.1.1.3
destination 12.1.1.1
#
interface LoopBack0
ip binding vpn-instance 2
ip address 4.4.4.4 255.255.255.0
ospf 2 area 0.0.0.0
```

```
#
[H3C-LoopBack0]dis ospf peer
OSPF Process 2 with Router ID 4.4.4.4
Neighbor Brief Information
Area: 0.0.0.0
Router ID Address Pri Dead-Time State Interface
192.168.1.1 192.168.1.1 1 37 Full/ - Tun1
```

#### 配置关键点

- 1, 针对于msr1, 写过vpn层面的路由之后, 在tunnel口下 tunnel vpn-instance +和公网口对应的实例即可, 内网口业务按照物理层面正常配置
- 2, 针对于msr3, 要想保证业务可直接通信, 需要tunnel口绑定和内网业务同vpn实例, 公网的路由直接写一个物理层面的缺省就可以, 如果不想和业务口绑定同实例, 则需要配置vpn层面互访路由实现通信