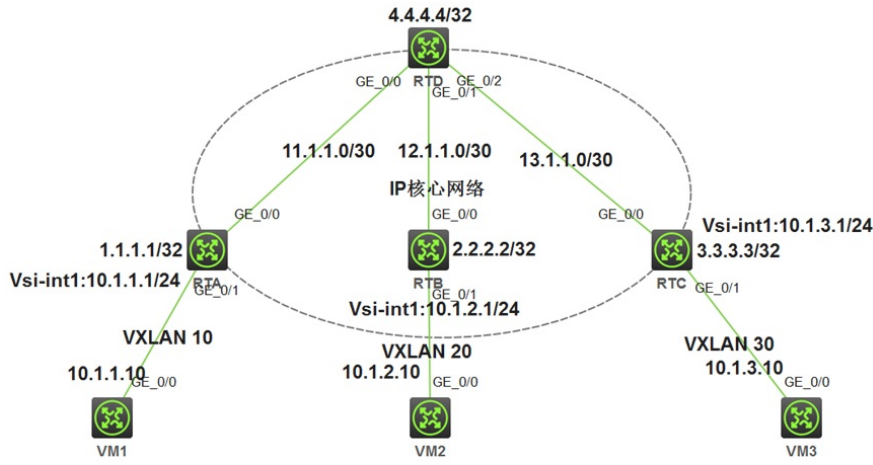


知 EVPN 引入不同VPN的5类路由

VPN实例 刘嘉福 2023-02-08 发表

组网及说明



虚拟机VM 1属于VXLAN 10、位于VPN实例vpna；VM 2属于VXLAN 20、位于VPN实例vpnb。客户有需求需要两个VPN的部分流量可以互访。

配置步骤

可以通过发送扩展RT属性来实现，参考配置如下。

RTA配置:

```
#
ip vpn-instance vpn1
route-distinguisher 1:1
#
address-family ipv4
vpn-target 1:1 3:3 import-extcommunity
vpn-target 1:1 export-extcommunity
#
address-family evpn
vpn-target 1:1 3:3 import-extcommunity
vpn-target 1:1 export-extcommunity
#
bgp 200
peer 4.4.4.4 as-number 200
peer 4.4.4.4 connect-interface LoopBack0
#
address-family ipv4 unicast
#
address-family l2vpn evpn
peer 4.4.4.4 enable
peer 4.4.4.4 route-policy test export
#
route-policy test permit node 10
if-match ip address prefix-list test
apply extcommunity rt 2:2
#
route-policy test permit node 20
#
ip prefix-list test index 10 permit 10.1.1.0 24
#
```

RTB配置:

```
#
ip vpn-instance vpn1
route-distinguisher 2:2
#
address-family ipv4
vpn-target 2:2 3:3 import-extcommunity
vpn-target 2:2 export-extcommunity
#
address-family evpn
vpn-target 2:2 3:3 import-extcommunity
vpn-target 2:2 export-extcommunity
#
bgp 200
peer 4.4.4.4 as-number 200
peer 4.4.4.4 connect-interface LoopBack0
#
address-family l2vpn evpn
peer 4.4.4.4 enable
peer 4.4.4.4 route-policy test export
#
route-policy test permit node 10
if-match ip address prefix-list test
apply extcommunity rt 1:1 additive
#
route-policy test permit node 100
```

```
#
```

```
ip prefix-list test index 10 permit 10.1.2.0 24
```

```
#
```

配置后, 可以学习到不同VPN的路由:

```
RTA1dis in routing-table vpn-instance vpn1 protocol ban
```