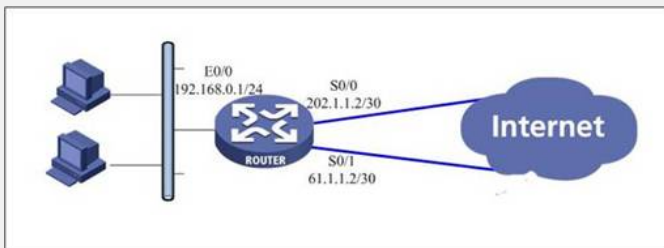


AR18系列路由器负载分担的典型配置

一 组网需求:

在很多地区, 网吧用户同时申请了中国电信和中国网通两条宽带接入线路, 如果此时双线路采用常规的“负载均衡”方式, 就会发生访问网通站点走电信线路, 访问电信站点走网通线路的情况, 由于当前网通和电信两个运营商之间存在着互联互通速度慢的问题, 造成速度瓶颈。如何实现“访问网通站点走网通线路, 访问电信站点走电信线路”呢? 在AR18系列路由器上可以通过配置策略路由的方式满足以上需要。

二 组网图



三 配置步骤:

1 定义监测组, 分别监测电信和网通网关

进入系统视图, 创建detect-group 1, 监测电信网关:

```
<Quidway>system
```

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System View: return to User View with Ctrl+Z.

```
[Quidway] detect-group 1
```

```
[Quidway-detect-group-1]
```

```
[Quidway-detect-group-1]detect-list 1 ip address 61.1.1.1
```

```
[Quidway-detect-group-1]quit
```

创建detect-group 1, 监测网通网关:

```
[Quidway]detect-group 2
```

```
[Quidway-detect-group-2]detect-list 1 ip address 202.1.1.1
```

```
[Quidway-detect-group-2]quit
```

```
[Quidway]
```

注: 以上以地址61.1.1.1最为电信网关地址, 地址202.1.1.1为网通网关地址为例, 可以根据实际组网情况修改。

2 配置两条默认路由互为备份, 优先走电信线路:

```
[Quidway]ip route-static 0.0.0.0 0.0.0.0 61.1.1.1 preference 60 detect-group 1
```

```
[Quidway]ip route-static 0.0.0.0 0.0.0.0 202.1.1.1 preference 100 detect-group 2
```

注: 以上以地址61.1.1.1最为电信网关地址, 地址202.1.1.1为网通网关地址为例, 可以根据实际组网情况修改。

3 配置静态路由与监测组关联, 使访问网通流量优先走网通线路:

以下配置较多, 配置过程中可以用实际网通网关地址替换地址202.1.1.1后直接复制粘贴:

```
ip route-static 58.16.0.0 255.248.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 58.100.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 58.240.0.0 255.240.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.0.0.0 255.248.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.8.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.12.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.13.0.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.13.128.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.16.0.0 255.240.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.24.0.0 255.248.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.31.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.208.0.0 255.248.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.216.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 60.220.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 61.48.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
```

```
ip route-static 61.52.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
```



```
ip route-static 210.53.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 210.74.64.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 210.74.128.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 210.78.0.0 255.255.224.0 202.1.1.1 preference 60 detect-group 2
ip route-static 210.82.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 211.100.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 211.101.0.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 211.147.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 211.167.96.0 255.255.224.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.4.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.10.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.21.128.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.24.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.26.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.27.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.28.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.56.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.60.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.62.0.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.67.128.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.68.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 218.109.159.0 255.255.255.0 202.1.1.1 preference 60 detect-group 2
ip route-static 219.141.128.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 219.142.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 219.154.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 219.156.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 219.158.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 219.159.0.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 220.248.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 220.252.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.0.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.4.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.6.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.7.128.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.8.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.10.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.11.0.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.12.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.12.0.0 255.255.128.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.12.128.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.192.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.195.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.196.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.199.0.0 255.255.224.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.199.32.0 255.255.240.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.199.128.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.199.192.0 255.255.240.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.200.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.204.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.207.0.0 255.255.192.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.208.0.0 255.240.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.208.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.213.0.0 255.255.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 221.214.0.0 255.254.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 222.128.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 222.132.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 222.136.0.0 255.248.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 222.160.0.0 255.252.0.0 202.1.1.1 preference 60 detect-group 2
ip route-static 222.163.0.0 255.255.224.0 202.1.1.1 preference 60 detect-group 2
ip route-static 0.0.0.0 0.0.0.0 20.1.1.2 preference 60
```

注：以上路由已经包含大部分网通地址段，如有更新可以动态添加。

经过如上三个配置步骤后，路由器便能自动区分网通流量和电信流量，使访问网站点走网通线路，访问电信站点走电信线路。并且当网通线路出问题后所有流量都会自动切换到电信线路上，使用户能够不间断访问网络。

四 配置关键点:

关键点在于配置缺省路由走电信, 精确路由走网通, 同时配置一条优先级较低的缺省路由走网通, 这样既能实现负载分担, 也能实现备份功能。