

## 组网及说明



本案例使用静态路由实现PC之间跨三层互通。

#### 配置步骤

- (1) 分别在路由器配置接口IP
- (2) 在AR5路由器上配置静态路由指向到AR6
- (3) 在AR6路由器上配置静态路由指向到AR5
- (4) 终端填写IP地址、子网掩码、默认网关。

## 配置关键点

AR5:

```
<Huawei>sys
Enter system view, return user view with Ctrl+Z.
[Huawei]sysname AR5
[AR5]int gi 0/0/0
[AR5-GigabitEthernet0/0/0]ip address 192.168.10.1 24
[AR5-GigabitEthernet0/0/0]quit
[AR5]int gi 0/0/1
[AR5-GigabitEthernet0/0/1]ip address 10.1.1.1 30
[AR5-GigabitEthernet0/0/1]quit
[AR5]ip route-static 192.168.20.0 255.255.255.0 10.1.1.2
```

AR6:

```
<Huawei>sys
Enter system view, return user view with Ctrl+Z.
[Huawei]sysname AR6
[AR6]int gi 0/0/0
[AR6-GigabitEthernet0/0/0]ip add 192.168.20.1 24
[AR6-GigabitEthernet0/0/0]quit
[AR6]int gi 0/0/1
[AR6-GigabitEthernet0/0/1]ip add 10.1.1.2 30
[AR6-GigabitEthernet0/0/1]quit
[AR6]ip route-static 192.168.10.0 255.255.255.0 10.1.1.1
```

测试效果:

```
[AR5]dis ip routing-table
Route Flags: R - relay, D - download to fib
-----
Routing Tables: Public
  Destinations : 11          Routes : 11

Destination/Mask    Proto   Pre  Cost   Flags NextHop         Interface
-----
0/0/1               10.1.1.0/30   Direct 0     0           D  10.1.1.1           GigabitEthernet
0/0/1               10.1.1.1/32   Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/1               10.1.1.3/32   Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/1               127.0.0.0/8   Direct 0     0           D  127.0.0.1          InLoopBack0
127.0.0.1/32       127.0.0.1/32   Direct 0     0           D  127.0.0.1          InLoopBack0
127.255.255.255/32 Direct 0     0           D  127.0.0.1          InLoopBack0
192.168.10.0/24    192.168.10.0/24 Direct 0     0           D  192.168.10.1       GigabitEthernet
0/0/0               192.168.10.1/32 Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/0               192.168.10.255/32 Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/0               192.168.20.0/24 Static 60    0           RD 10.1.1.2           GigabitEthernet
0/0/1               255.255.255.255/32 Direct 0     0           D  127.0.0.1          InLoopBack0
[AR5]
```

```
[AR6]dis ip routing-table
Route Flags: R - relay, D - download to fib
-----
Routing Tables: Public
  Destinations : 11          Routes : 11

Destination/Mask    Proto   Pre  Cost   Flags NextHop         Interface
-----
0/0/1               10.1.1.0/30   Direct 0     0           D  10.1.1.2           GigabitEthernet
0/0/1               10.1.1.2/32   Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/1               10.1.1.3/32   Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/1               127.0.0.0/8   Direct 0     0           D  127.0.0.1          InLoopBack0
127.0.0.1/32       127.0.0.1/32   Direct 0     0           D  127.0.0.1          InLoopBack0
127.255.255.255/32 Direct 0     0           D  127.0.0.1          InLoopBack0
192.168.10.0/24    192.168.10.0/24 Static 60    0           RD 10.1.1.1           GigabitEthernet
0/0/1               192.168.20.0/24 Direct 0     0           D  192.168.20.1       GigabitEthernet
0/0/0               192.168.20.1/32 Direct 0     0           D  127.0.0.1          GigabitEthernet
0/0/0               192.168.20.255/32 Direct 0     0           D  127.0.0.1          GigabitEthernet
255.255.255.255/32 Direct 0     0           D  127.0.0.1          InLoopBack0
[AR6]
```

终端填写IP地址，且能PING通。

