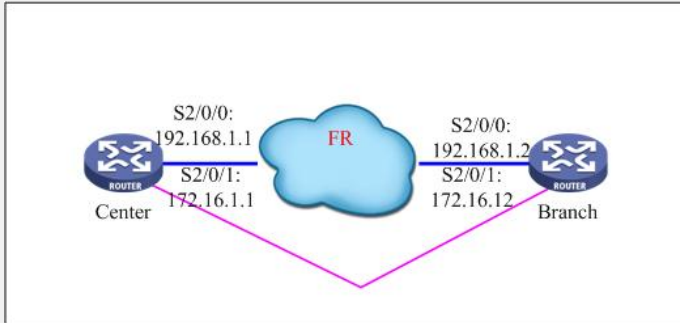


AR系列路由器自动侦测在静态路由备份中的典型配置

【需求】

路由器使用FR作为主用线路，当主用线路出现故障时能够通过静态路由切换到备用线路

【组网图】



【配置脚本】

```
配置脚本
#
sysname Router
#
radius scheme system
#
domain system
#
detect-group 1 /配置detect-group 1/
detect-list 1 ip address 192.168.1.1 /检测192.168.1.1的可达性/
#
interface Serial2/0/0
link-protocol fr
fr map ip 192.168.1.1 200 broadcast
ip address 192.168.1.2 255.255.255.252
#
interface Serial2/0/1
link-protocol ppp
ip address 172.16.1.2 255.255.255.252
#
interface NULL0
#
ip route-static 0.0.0.0 0.0.0.0 192.168.1.1 preference 60 detect-group 1
/当主用出口可达是默认路由生效/
ip route-static 0.0.0.0 0.0.0.0 172.16.1.1 preference 80
/备用出口路由/
#
user-interface con 0
user-interface vty 0 4
#
return
```

【验证】

当主用出口不可达时的状态:

```
<Router>disp detect-group
detect-group 1 :
detect loop time(s) : 15
ping wait time(s) : 2
detect retry times : 2
detect ip option : and
group state : unreachable
register module num : 1
detect ip count : 1
detect-list ip address next hop
1 192.168.1.1 not specified
```

```
<Router>disp ip routing-table
Routing Table: public net
Destination/Mask Protocol Pre Cost Nexthop Interface
```

0.0.0.0/0	STATIC	80	0	172.16.1.1	Serial2/0/1 /默认路由发生切换/
2.2.2.2/32	DIRECT	0	0	127.0.0.1	InLoopBack0
127.0.0.0/8	DIRECT	0	0	127.0.0.1	InLoopBack0
127.0.0.1/32	DIRECT	0	0	127.0.0.1	InLoopBack0
172.16.1.0/30	DIRECT	0	0	172.16.1.2	Serial2/0/1
172.16.1.1/32	DIRECT	0	0	172.16.1.1	Serial2/0/1
172.16.1.2/32	DIRECT	0	0	127.0.0.1	InLoopBack0
192.168.1.0/30	DIRECT	0	0	192.168.1.2	Serial2/0/0
192.168.1.2/32	DIRECT	0	0	127.0.0.1	InLoopBack0

**【提示】**

1、当主用线路为FR、Ethernet等线路时，链路层up不一定表示整条链路是可达的，可以使用自动检测功能对主线路进行监测。