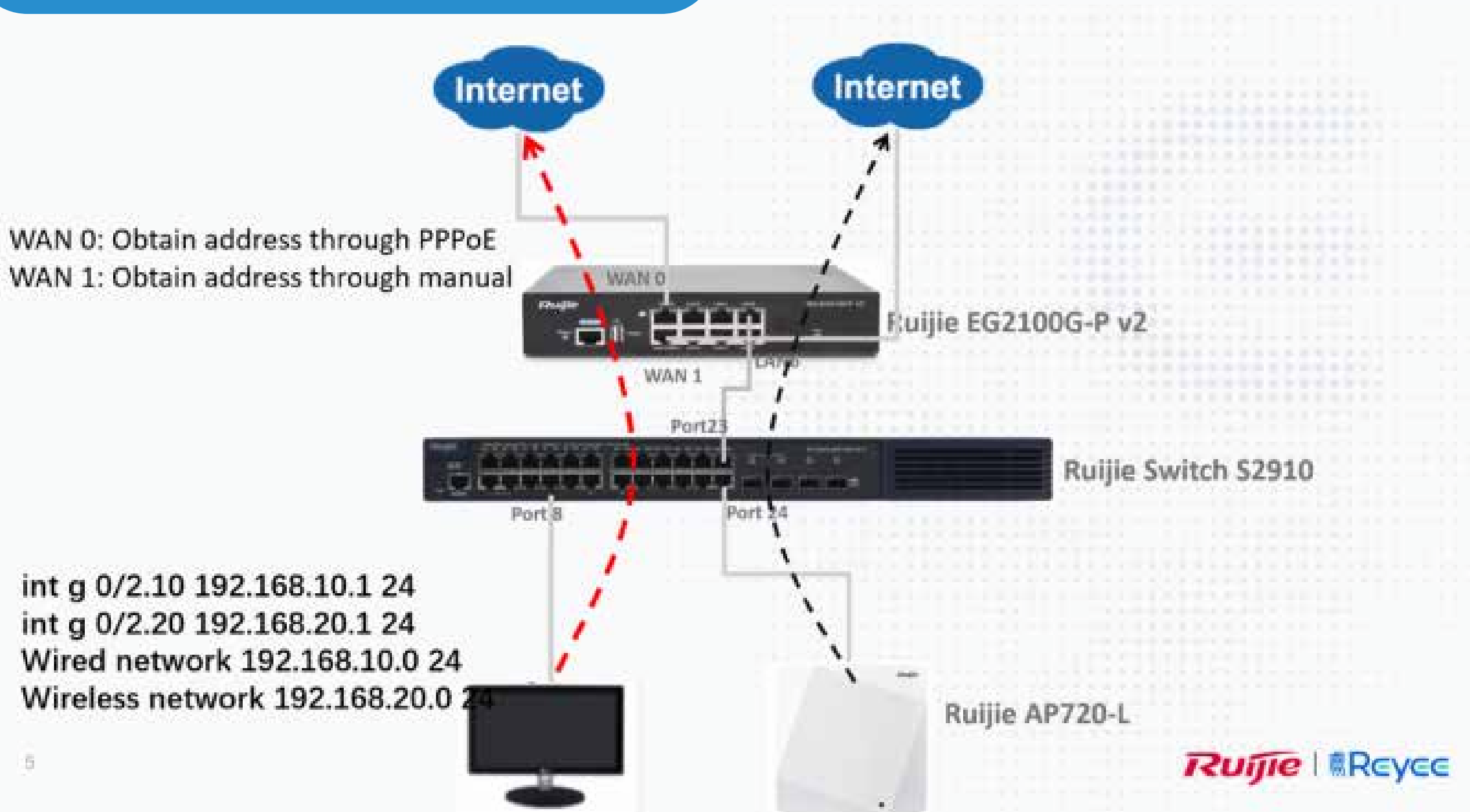# Multi-egress traffic distribution

I. Scenario

Multi-egress traffic distribution is applicable to a network with two or more operator lines. It controls data from different users to pass through specified external network lines, thereby implementing distribution of Internet access traffic.

II. Network Topology

WAN 0: Obtain address through PPPoE
WAN 1: Obtain address through manual

WAN 0
WAN 1
LAN0
Port23
Port 8
Port 24

Ruijie EG2100G-P v2
Ruijie Switch S2910
Ruijie AP720-L

int g 0/2.10 192.168.10.1 24
int g 0/2.20 192.168.20.1 24
Wired network 192.168.10.0 24
Wireless network 192.168.20.0 24

III. Configuration Planning

1 External network lines:

WAN 0: Address is obtained through the Point-to-Point Protocol over Ethernet (PPPoE).
WAN 1: Static address is configured.

2 Internal networks

Employees' wired network: 192.168.10.0 255.255.255.0
Employees' wireless network: 192.168.20.0 255.255.255.0

3 Function requirements

Data of the wired network is forwarded by WAN 0 while data of the wireless network is forwarded by WAN 1.

IV. Configuration

① Configure data of the wired network to be forwarded by WAN 0.

(1) Create ACL 10.

(2) Configure PBR.

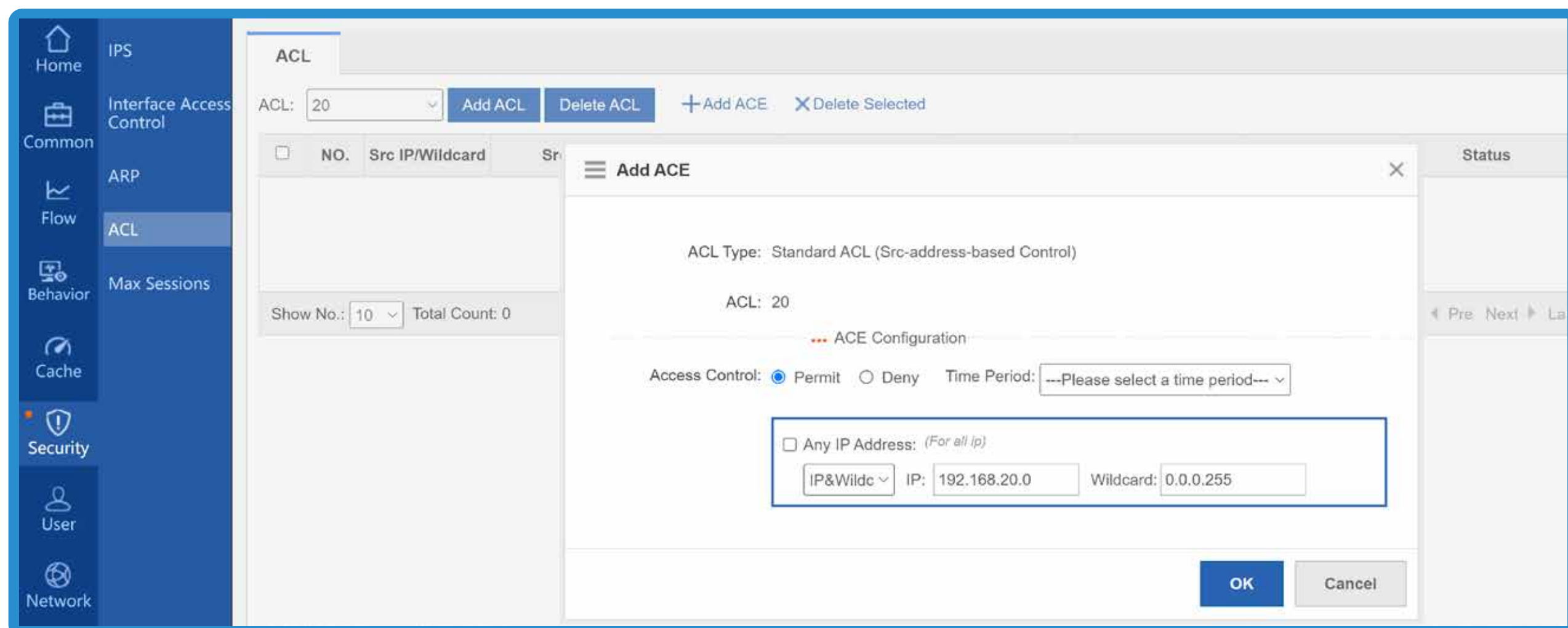Interface: Indicates the interface, to which the gateway of the wired network is connected.

Policy Priority: A larger value indicates a higher priority.

ACL ID: Indicates the ACL for matching data of the wired network.

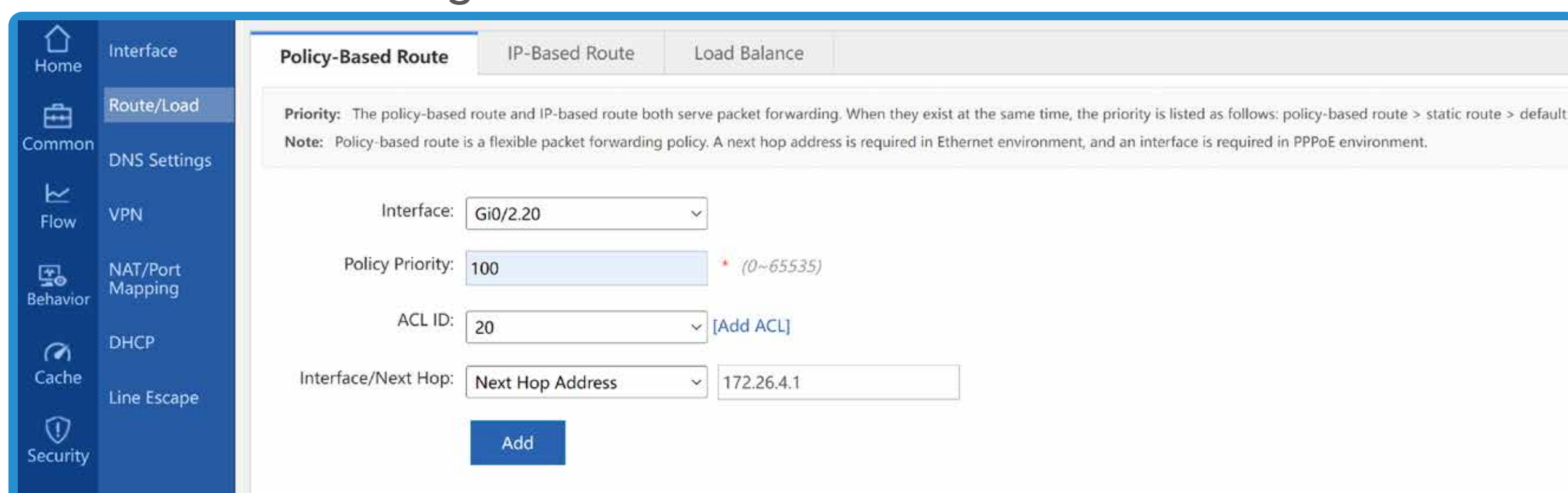Interface/Next Hop: Indicates the traffic egress.

② Configure data of the wireless network to be forwarded by WAN 1.

(1) Create ACL 20.
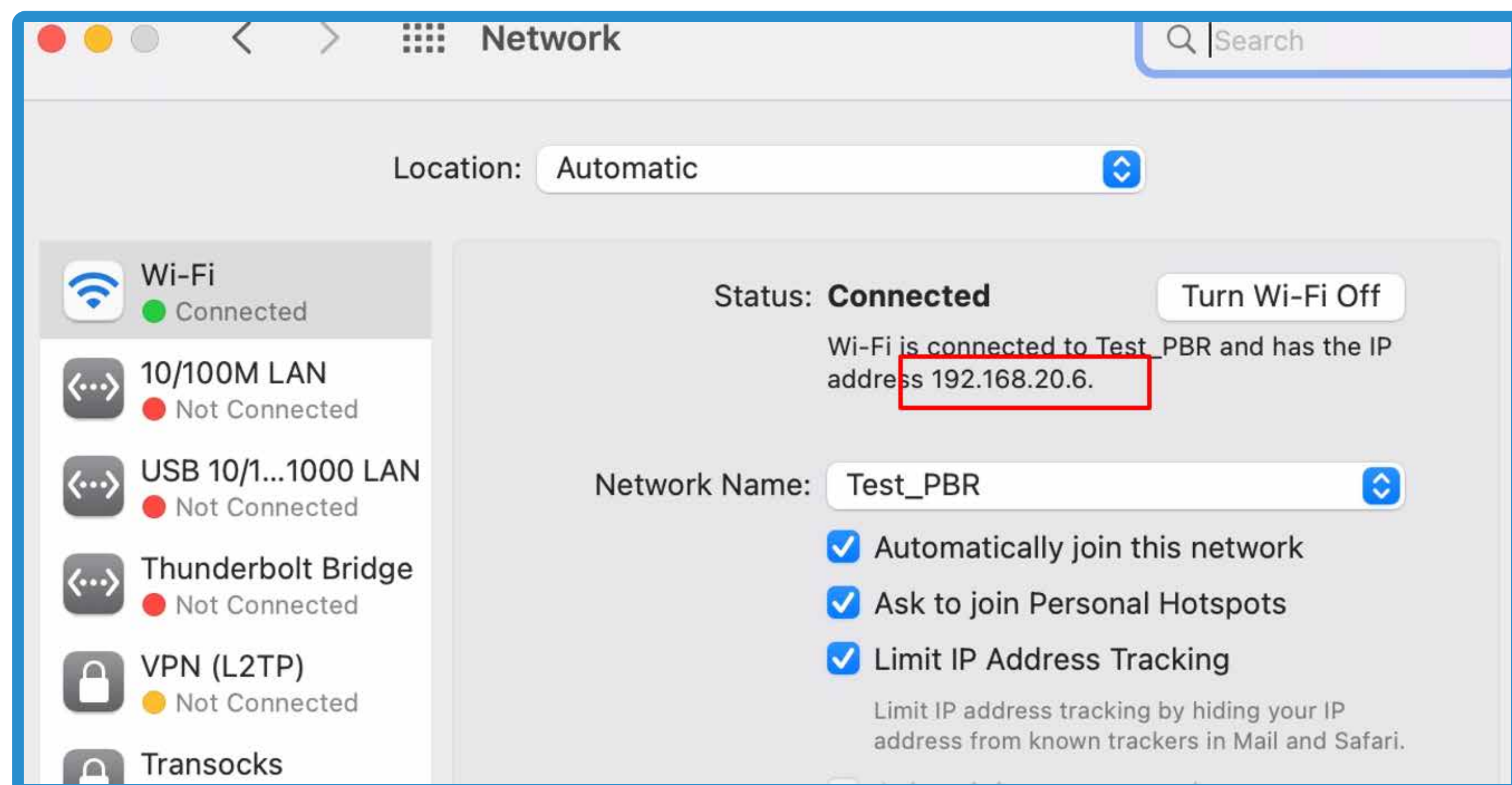
IV. Configuration

(2) Configure PBR.

WAN 1 uses static addresses. Therefore, next-hop addresses need to be configured.

V. Test

Connect a PC to the wireless network. The test result shows that the PC connects to the network through WAN 1 and the next-hop address is 172.26.4.1.

V. Test

```
Last login: Mon Mar 14 15:30:17 on console

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Mac15:~ shang$ traceroute 8.8.8.8
traceroute to 8.8.8.8 (8.8.8.8), 64 hops max, 52 byte packets
 1  192.168.20.1 (192.168.20.1)  18.513 ms  26.928 ms  14.263 ms
 2  172.26.4.1 (172.26.4.1)  18.302 ms  14.465 ms  14.581 ms
 3  172.22.0.53 (172.22.0.53)  14.023 ms  13.449 ms  15.176 ms
```

Official Website 》》 https://www.ruijienetworks.com

Community 》》 https://community.ruijienetworks.com

Facebook 》》 https://www.facebook.com/ruijietac

Official Website

Community

Facebook