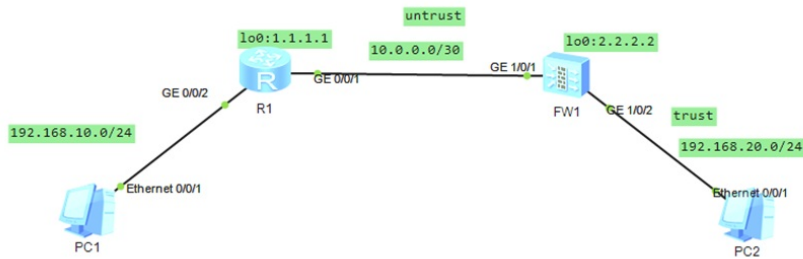


组网及说明



组网说明:

本案例采用ENSP模拟器的防火墙来部署路由模式的典型配置，安全域在网络拓扑图中已经有了明确的标识，全网通过默认路由协议实现PC之间的互通。

配置思路:

- 1、按照网络拓扑图配置IP地址和默认路由。
- 2、配置防火墙的安全域和安全策略。

配置步骤

R1:

```
<Huawei>u t m
Info: Current terminal monitor is off.
<Huawei>u t d
Info: Current terminal debugging is off.
<Huawei>system
Enter system view, return user view with Ctrl+Z.
[Huawei]sysname R1
[R1]int gi 0/0/2
[R1-GigabitEthernet0/0/2]ip address 192.168.10.1 24
[R1-GigabitEthernet0/0/2]quit
[R1]int gi 0/0/1
[R1-GigabitEthernet0/0/1]ip address 10.0.0.1 30
[R1-GigabitEthernet0/0/1]quit
[R1]ip route-static 0.0.0.0 0.0.0.0 10.0.0.2
```

FW1:

```
<USG6000V1>u t m
Info: Current terminal monitor is off.
<USG6000V1>u t d
Info: Current terminal debugging is off.
<USG6000V1>system
Enter system view, return user view with Ctrl+Z.
[USG6000V1]sysname FW1
[FW1]int gi 1/0/1
[FW1-GigabitEthernet1/0/1]ip address 10.0.0.2 30
[FW1-GigabitEthernet1/0/1]quit
[FW1]int gi 1/0/2
[FW1-GigabitEthernet1/0/2]ip address 192.168.20.1 24
[FW1-GigabitEthernet1/0/2]quit
[FW1]ip route-static 0.0.0.0 0.0.0.0 10.0.0.1
```

```
[FW1]firewall zone trust
[FW1-zone-trust]add int gi 1/0/2
[FW1-zone-trust]quit
[FW1]firewall zone untrust
```

```
[FW1-zone-untrust]add int gi 1/0/1
[FW1-zone-untrust]quit
[FW1]security-policy
[FW1-policy-security]default action permit
Warning:Setting the default packet filtering to permit poses security risks. You
are advised to configure the security policy based on the actual data flows. Ar
e you sure you want to continue?[Y/N]y
[FW1-policy-security]quit
```

使用dis ip routing-table命令查看FW1和R1的路由表，均能学习到对端传递过来的路由。

```
[FW1]dis ip routing-table
2024-09-13 06:00:09.140
Route Flags: R - relay, D - download to fib
-----
Routing Tables: Public
      Destinations : 8           Routes : 8

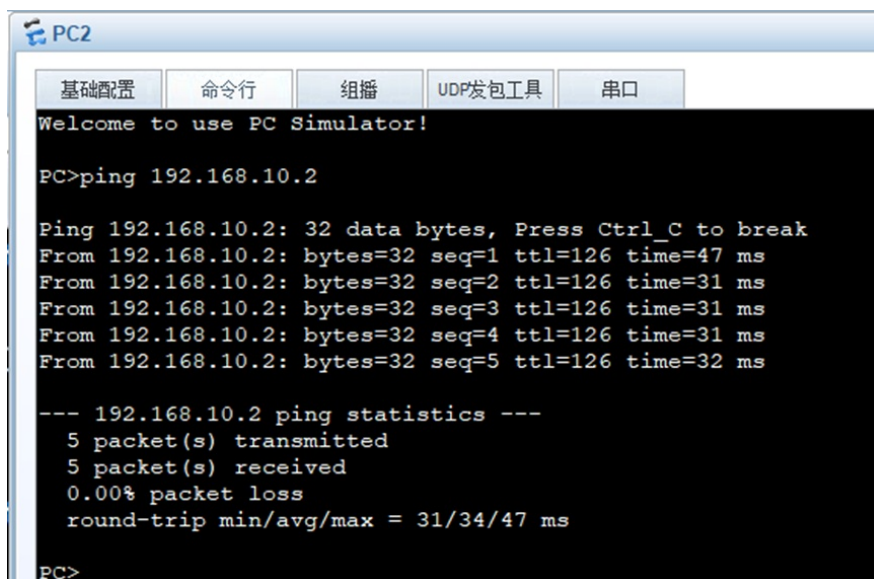
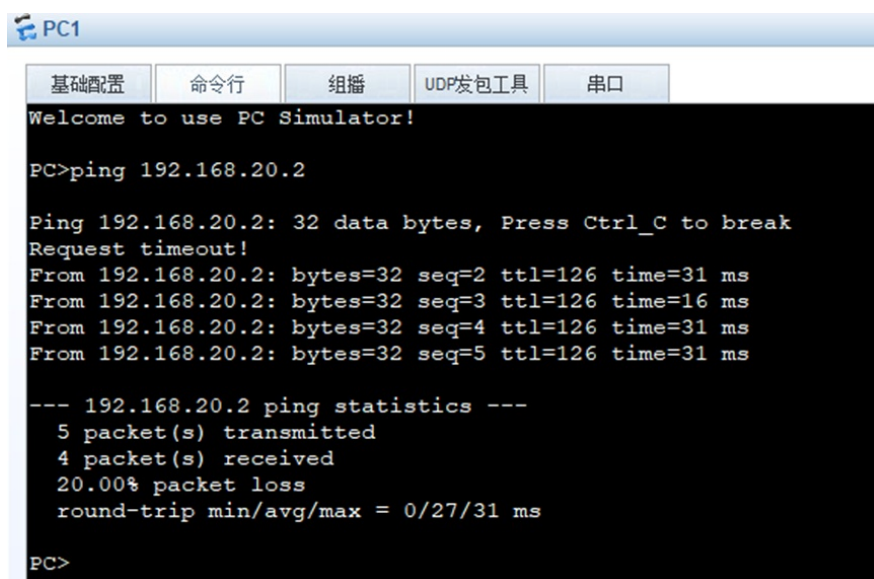
Destination/Mask    Proto  Pre  Cost           Flags NextHop         Interface
-----
1/0/1               0.0.0.0/0   Static 60    0              RD   10.0.0.1             GigabitEthernet
1/0/1               2.2.2.2/32   Direct 0     0              D    127.0.0.1            LoopBack0
1/0/1               10.0.0.0/30  Direct 0     0              D    10.0.0.2             GigabitEthernet
1/0/1               10.0.0.2/32  Direct 0     0              D    127.0.0.1            GigabitEthernet
1/0/1               127.0.0.0/8  Direct 0     0              D    127.0.0.1            InLoopBack0
1/0/1               127.0.0.1/32 Direct 0     0              D    127.0.0.1            InLoopBack0
1/0/1               192.168.20.0/24 Direct 0     0              D    192.168.20.1        GigabitEthernet
1/0/2               192.168.20.1/32 Direct 0     0              D    127.0.0.1            GigabitEthernet
1/0/2
```

```
[R1]dis ip routing-table
Route Flags: R - relay, D - download to fib
-----
Routing Tables: Public
      Destinations : 8           Routes : 8

Destination/Mask    Proto  Pre  Cost           Flags NextHop         Interface
-----
0/0/1               0.0.0.0/0   Static 60    0              RD   10.0.0.2             GigabitEthernet
0/0/1               1.1.1.1/32   Direct 0     0              D    127.0.0.1            LoopBack0
0/0/1               10.0.0.0/30  Direct 0     0              D    10.0.0.1             GigabitEthernet
0/0/1               10.0.0.1/32  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
0/0/1               127.0.0.1/32 Direct 0     0              D    127.0.0.1            InLoopBack0
0/0/1               192.168.10.0/24 Direct 0     0              D    192.168.10.1        GigabitEthernet
0/0/2               192.168.10.1/32 Direct 0     0              D    127.0.0.1            GigabitEthernet
0/0/2
```

PC分别填写IP地址，且能相互PING通。





至此，华为防火墙路由模式典型组网配置案例（默认路由）已完成！