

问题描述

MSR路由器nat server、nat static和nat outbound的优先级

解决方法

优先级: nat server>nat static>nat outbound

测试过程:

环境:

硬件: MSR30-20 (V5平台)

软件: windows xp, CRT

拓扑: PC2(192.168.1.2)——(0/0)R(0/1)-202.0.0.1——PC1

原理: nat server没有NAT SESSION表, 静态NAT有

配置:

```
[R]nat static 192.168.1.2 202.0.0.1
[R]int g0/1
[R-GigabitEthernet0/1]nat outbound static
[R-GigabitEthernet0/1]nat server protocol icmp global 202.0.0.1 inside 192.168.1.2
[R-GigabitEthernet0/1]qu
```

测试:

C:\Documents and Settings\Administrator>ping 202.0.0.1 -t

结果:

1. 没有去掉NAT SERVER的时候:

```
[R]dis nat session
No NAT sessions are currently active!
```

2. 去掉NAT SERVER的时候:

```
[R-GigabitEthernet0/1]undo nat server protocol icmp global 202.0.0.1 inside 192.168.1.2
```

```
[R]dis nat session
```

There are currently 2 NAT sessions:

```
Pro GlobalAddr:Port LocalAddr:Port DestAddr:Port
- 202.0.0.1 192.168.1.2 ---
GlobalVPN: --- LocalVPN: ---
status: 800 TTL: 00:05:00 Left: 00:04:54
```

```
ICMP 202.0.0.1:512 192.168.1.2:512 202.0.0.2:512
GlobalVPN: --- LocalVPN: ---
status: 9 TTL: 00:00:10 Left: 00:00:10
```

说明:

没有去掉NAT SERVER的时候, 没有NAT SESSION表; 去掉后出现NAT SESSION表。根据NAT SERVER没有SESSION表, 而静态NAT有。