拒绝服务攻击与单播逆向路由转发

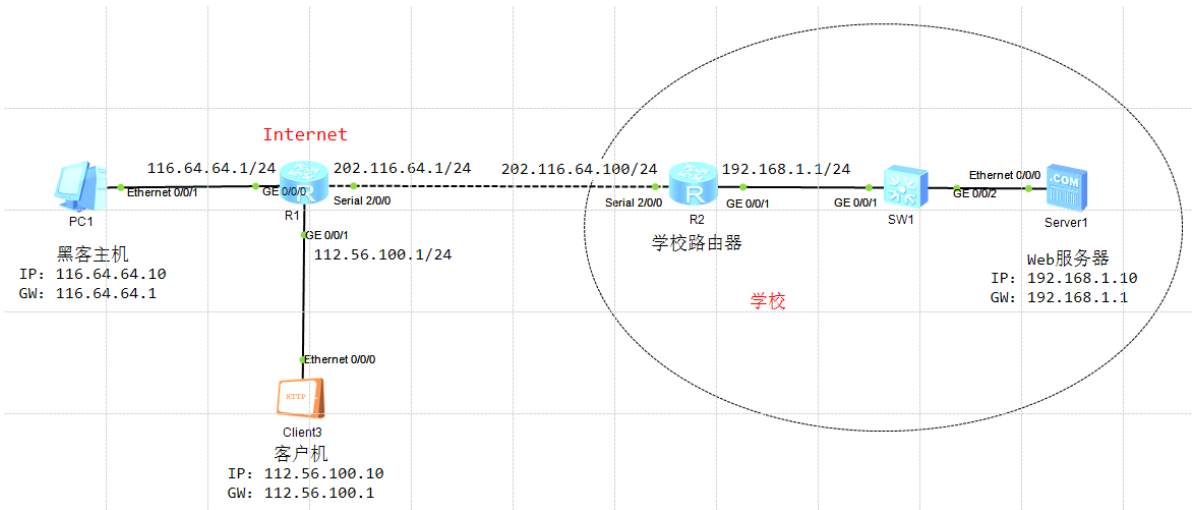## 实验环境

Win ENSP

实验拓扑

实验步骤

基本配置

路由器接口IP配置

R1

```
<Huawei>sys
[Huawei]sys R1
[R1]undo info en
[R1]int g0/0/0
[R1-GigabitEthernet0/0/0]ip add 116.64.64.1 24
[R1-GigabitEthernet0/0/0]q
[R1]int g0/0/1
[R1-GigabitEthernet0/0/1]ip add 112.56.100.1 24
[R1-GigabitEthernet0/0/1]q
[R1]int s2/0/0
[R1-Serial2/0/0]ip add 202.116.64.1 24
[R1-Serial2/0/0]q
[R1]
```

R2

```
<Huawei>sys
[Huawei]sys R2
[R2]undo info en
[R2]int s2/0/0
[R2-Serial2/0/0]ip add 202.116.64.100 24
[R2-Serial2/0/0]q
[R2]int g0/0/1
[R2-GigabitEthernet0/0/1]ip add 192.168.1.1 24
[R2-GigabitEthernet0/0/1]q
[R2]
```

路由器R2静态Easy-IP配置

```
[R2]acl 2000
[R2-acl-basic-2000]rule 10 permit source 192.168.1.0 0.0.0.255
[R2-acl-basic-2000]q
[R2]int s2/0/0
[R2-Serial2/0/0]nat outbound 2000
[R2-Serial2/0/0]q
[R2]ip route-static 0.0.0.0 0.0.0.0 s2/0/0
[R2]
```
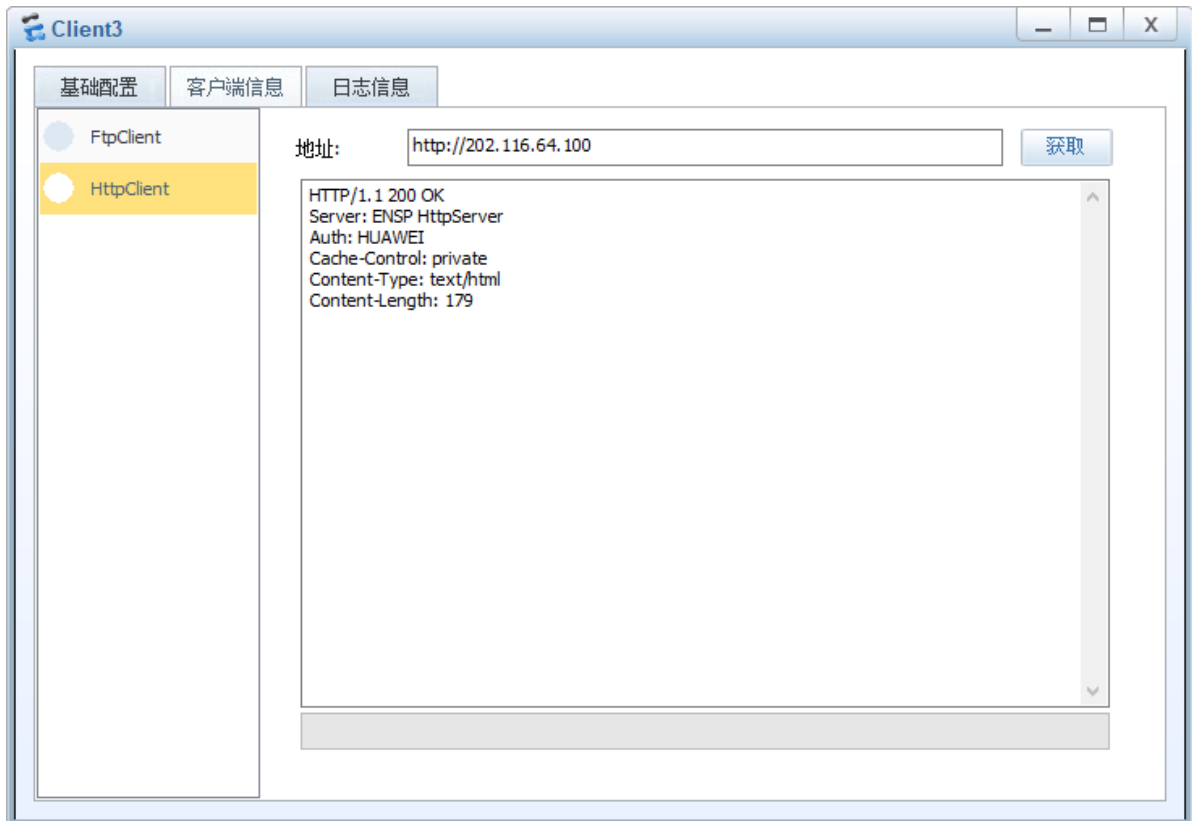
路由器R2静态PAT配置

```
[R2]int s2/0/0
[R2-Serial2/0/0]nat server protocol tcp global current-interface 80 inside 192.1
68.1.10 80
Warning:The port 80 is well-known port. If you continue it may cause function fa
ilure.
Are you sure to continue?[Y/N]:Y
[R2-Serial2/0/0]q
[R2]
```

验证

Server1
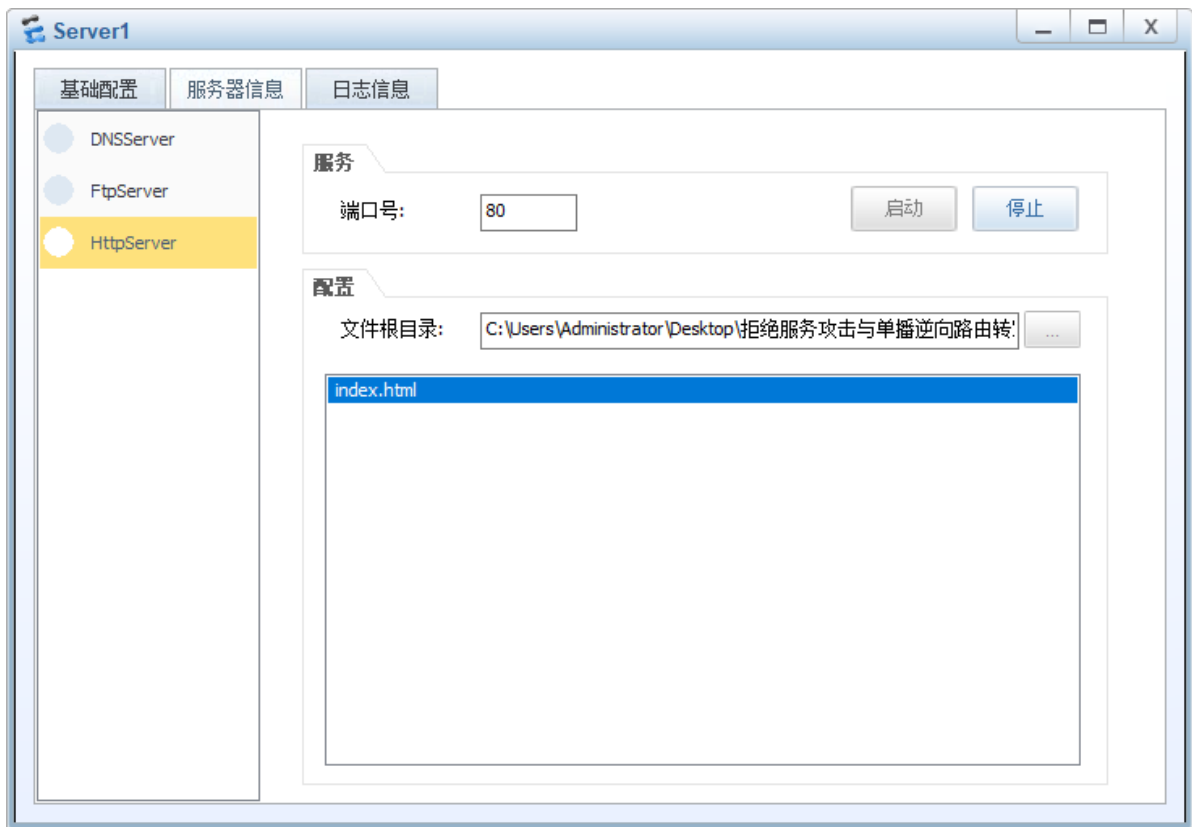
Client3

防御策略

路由器R1接口开启URPF

```
[R1]
[R1]int g0/0/0
[R1-GigabitEthernet0/0/0]urpf strict
[R1-GigabitEthernet0/0/0]q
[R1]
```