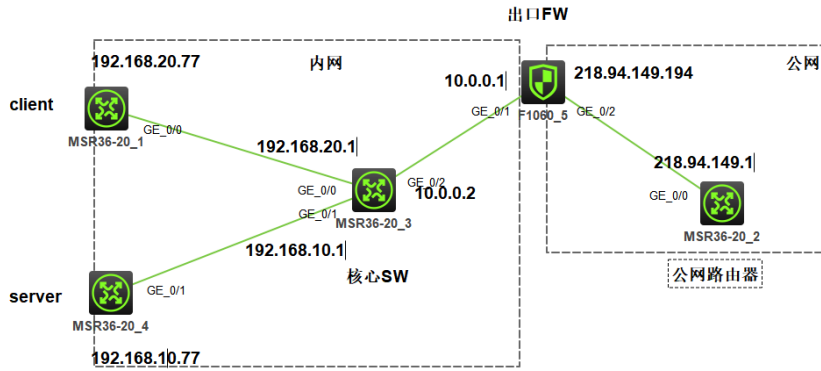


组网及说明

现场有以下需求:

1. 公网路由器218.94.149.1可以通过218.94.149.194的23端口访问server192.168.10.77的23端口, 23端口到23端口的映射; 即端口到端口的映射
2. 内网client192.168.20.77可以使用公网的218.94.149.194的23端口访问server192.168.10.77的23端口, 23端口到23端口的映射; 即端口到端口的映射
3. 公网路由器218.94.149.1可以通过218.94.149.195的23端口访问server192.168.10.77的23端口, 可以通过218.94.149.195的22端口访问server192.168.10.77的22端口; 口全端口的映射



配置步骤

NAT相关配置如下:

FW的内网口要开启nat hairpin enable, 此命令是为了实现内网终端通过公网地址访问内网服务器

```
interface GigabitEthernet1/0/1
port link-mode route
combo enable copper
ip address 10.0.0.2 255.255.255.0
nat hairpin enable
```

nat地址池的地址 218.94.149.194 218.94.149.194以及以下nat server是为了分别为了实现需求1与需求2

```
nat server protocol tcp global 218.94.149.194 23 inside 192.168.10.77 23
```

nat地址池的地址 218.94.149.195 218.94.149.195与以下nat server是为了分别为了实现需求3

```
nat server global 218.94.149.195 inside 192.168.10.77
```

```
#
nat address-group 1
address 218.94.149.194 218.94.149.194
address 218.94.149.195 218.94.149.195

interface GigabitEthernet1/0/2
port link-mode route
combo enable copper
ip address 218.94.149.194 255.255.255.0
nat outbound address-group 1
nat server global 218.94.149.195 inside 192.168.10.77
nat server protocol tcp global 218.94.149.194 23 inside 192.168.10.77 23
```

结果验证:

1. 公网路由器218.94.149.1可以通过218.94.149.194的23端口访问server192.168.10.77的23端口

```
<gongwang>
<gongwang>tel
<gongwang>telnet 218.94.149.194
Trying 218.94.149.194 ...
Press CTRL+K to abort
Connected to 218.94.149.194 ...
```

```
*****
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* no decompiling or reverse-engineering shall be allowed. *
*****
```

```
Login: admin
Password:
<server>
```

2. 内网client192.168.20.77可以使用公网的218.94.149.194的23端口访问server192.168.10.77的23端口, 23端口到23端口的映射; 即端口到端口的映射

```
<client>
```

<client>telnet 218.94.149.194

Trying 218.94.149.194 ...

Press CTRL+K to abort

Connected to 218.94.149.194 ...

配置关键点:

1:*****内网口要配置nathairpin*****

2.公网口的2004202要与公网口的地址池一起配置。Ltd. All rights reserved.*

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no decompiling or reverse-engineering shall be allowed. *

nat address-group 1*****

address 218.94.149.194 218.94.149.194

address 218.94.149.195 218.94.149.195

Password:

server protocol tcp global 218.94.149.194 23 inside 192.168.10.77 23

server address-group 1

address 218.94.149.194 218.94.149.194

address 218.94.149.195 218.94.149.195

2. 公网路由器218.94.149.1可以通过218.94.149.195的23端口访问server192.168.10.77的23端口

, 可以通过218.94.149.195的22端口访问server192.168.10.77的22端口; 口全端口的映射

<gongwang>telnet 218.94.149.195

Trying 218.94.149.195 ...

Press CTRL+K to abort

Connected to 218.94.149.195 ...

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Login: admin

Password:

<server>

<server>

<server>

<server>qui

The connection was closed by the remote host!

<gongwang>

<gongwang>

<gongwang>ssh 218.94.149.195

Username: admin

Press CTRL+C to abort.

Connecting to 218.94.149.195 port 22.

The server is not authenticated. Continue? [Y/N]:kongdefi@h3c!

Please type 'Y' or 'N':

Please type 'Y' or 'N':

Please type 'Y' or 'N': y

Do you want to save the server public key? [Y/N]:

Please type 'Y' or 'N': u

Please type 'Y' or 'N': y

admin@218.94.149.195's password:

admin@218.94.149.195's password:

Enter a character ~ and a dot to abort.

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<server>

