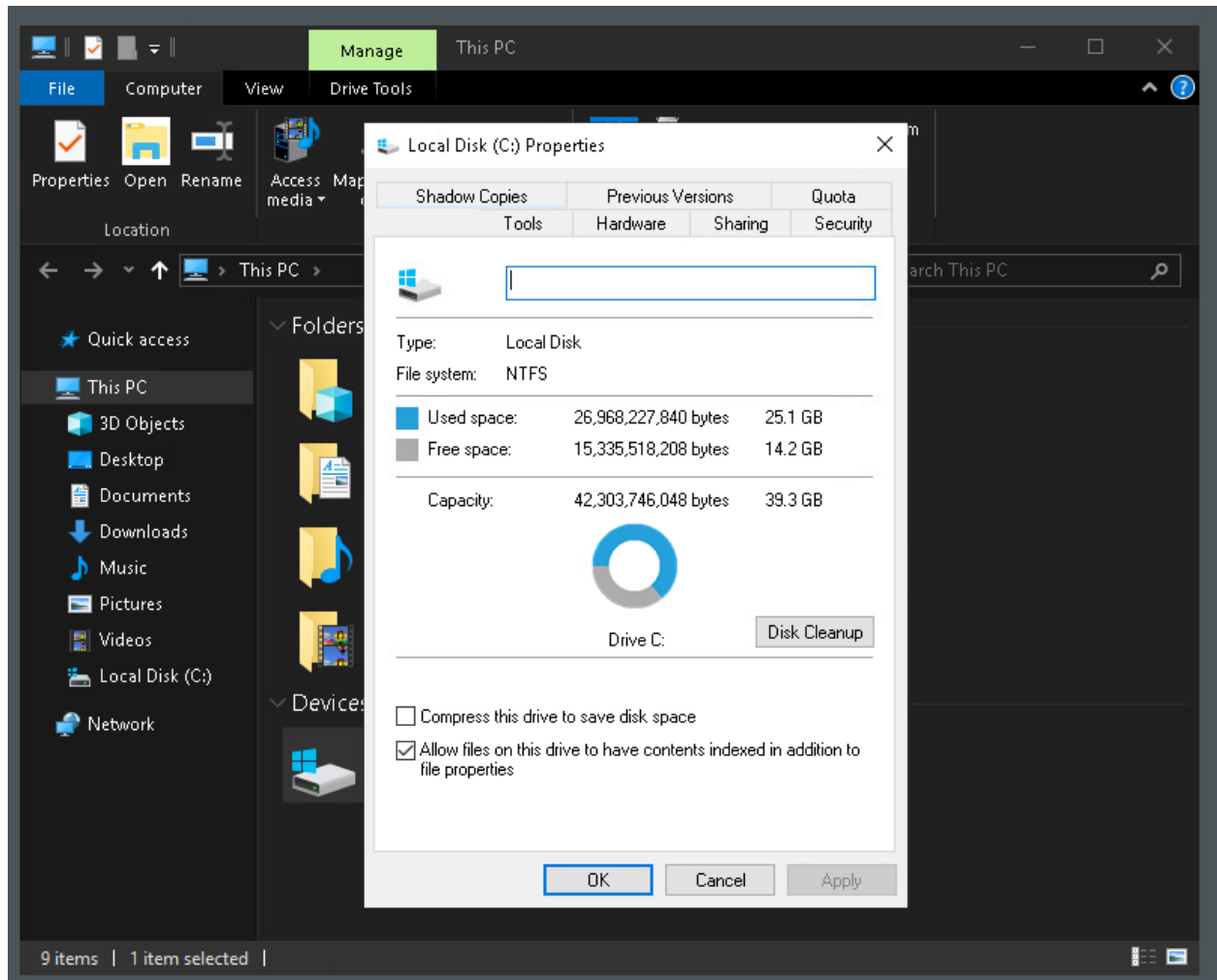


Jason Palmeri
CS53C
Lab 23
Timothy Ryan

Covering Your Tracks





NDG Ethical Hacking v2 Self Paced Course

End Reservation



MyNETLAB > VE1.H85.P1102.NDG_EHv2_Series2 > Reservation 212443 > Lab 23: Covering Your Tracks

Time Remaining

1 07
hrs. min.



administrator IfanView AccessData
FTK Imager

Network File Home Share View Application Tools
Pin to Quick access Copy Paste Cut Copy path Paste shortcut Move to Delete New Properties Open Select all Select none

This PC
Control Panel
Wireshark
32bit
flowers
Lab 22

LAB23
Name
calc.exe
lab23.txt

lab23.txt - Notepad
File Edit Format View Help
This is a secret message hidden from the average user!

Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.17763.737]
(c) 2018 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>cd Desktop\LAB23
C:\Users\Administrator\Desktop\LAB23>notepad lab23.txt
C:\Users\Administrator\Desktop\LAB23>dir
Volume in drive C has no label.
Volume Serial Number is 5E1C-075F
Directory of C:\Users\Administrator\Desktop\LAB23
05/23/2023 07:11 PM <DIR> .
05/23/2023 07:11 PM <DIR> ..
09/15/2018 12:12 AM 27,648 calc.exe
05/23/2023 07:11 PM 54 lab23.txt
2 File(s) 27,702 bytes
2 Dir(s) 15,320,055,808 bytes free
C:\Users\Administrator\Desktop\LAB23>



7:11 PM
5/23/2023

NDG Ethical Hacking v2 Self Paced Course

MyNETLAB > VE1.H85.P1102.NDG_EHv2_Series2 > Reservation 212443 > Lab 23: Covering Your Tracks

1 04
hrs. | min.

WinOS ▼

LAB23

File Home Share View

Pin to Quick access Copy Paste Cut Copy path Paste shortcut Move to Delete Copy to Rename New folder Properties Open Edit Select all Select none Invert selection

Clipboard Organize New Open Select

LAB23 Search LAB23

Name	Date modified	Type	Size
exploit.exe	5/23/2023 7:14 PM	.symlink	0 KB
lab23.txt	5/23/2023 7:13 PM	Text Document	1 KB

Quick access

- Desktop
- Downloads
- Documents
- Pictures
- Toolbox
- 32bit
- flowers
- Lab 22

ge user!

Windows (CRLF)	Ln 1, Col 18	100%
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Administrator: C:\Windows\system32\cmd.exe

```

05/23/2023 07:11 PM <DIR> .
05/23/2023 07:11 PM <DIR> ..
09/15/2018 12:12 AM          27,648 calc.exe
05/23/2023 07:11 PM          54 lab23.txt
                2 File(s)          27,702 bytes
                2 Dir(s) 15,320,055,808 bytes free

```

```
C:\Users\Administrator\Desktop\LAB23>type calc.exe > lab23.txt:calc.exe
```

```
C:\Users\Administrator\Desktop\LAB23>dir
Volume in drive C has no label.
Volume Serial Number is 5E1C-075F
```

Directory of C:\Users\Administrator\Desktop\LAB23

```
05/23/2023 07:11 PM <DIR> .
05/23/2023 07:11 PM <DIR> ..
09/15/2018 12:12 AM          27,648 calc.exe
05/23/2023 07:13 PM          54 lab23.txt
      2 File(s)          27,702 bytes
      2 Dir(s) 15,321,604,096 bytes free
```

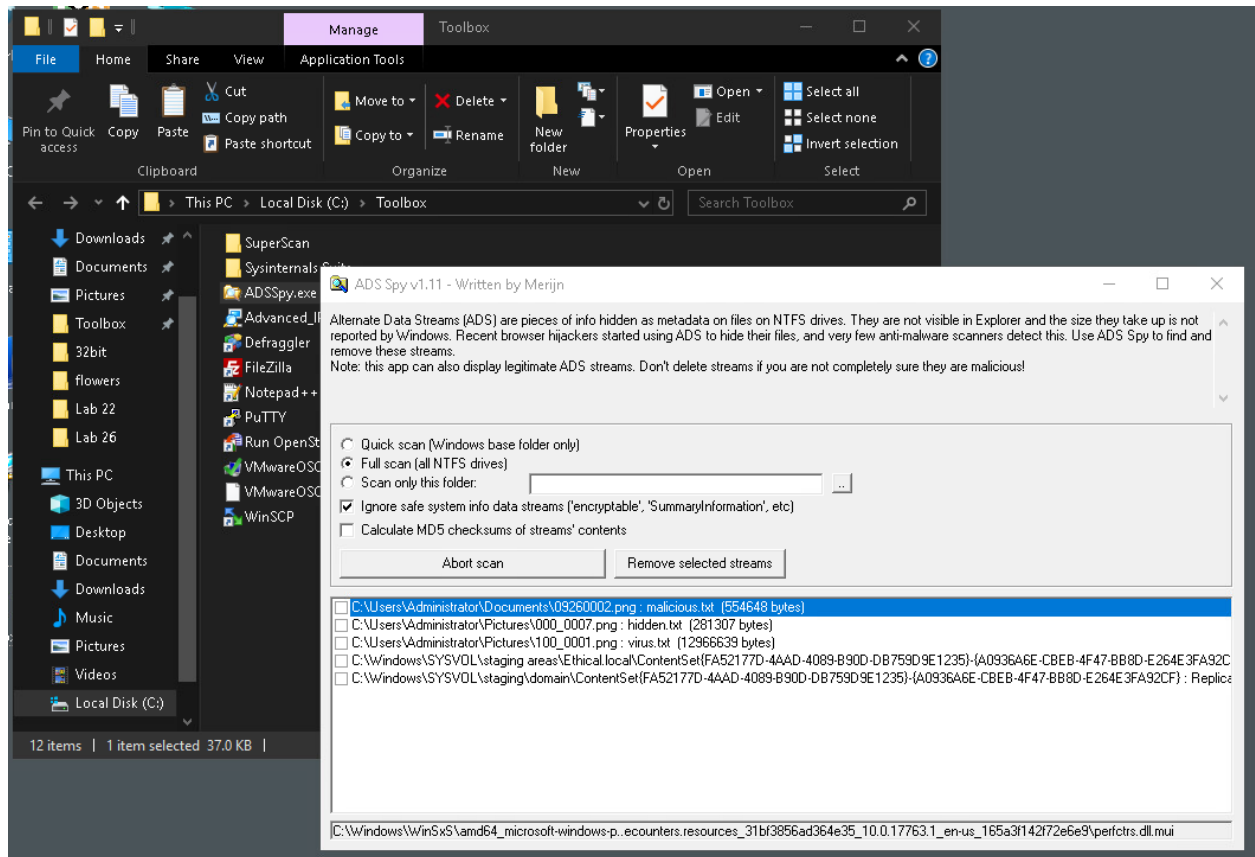
```
C:\Users\Administrator\Desktop\LAB23>mmlink exploit.exe lab23.txt:calc.exe
'mmlink' is not recognized as an internal or external command,
operable program or batch file.
```

```
C:\Users\Administrator\Desktop\LAB23>mklink exploit.exe lab23.txt:calc.exe
symbolic link created for exploit.exe <==> lab23.txt:calc.exe
```

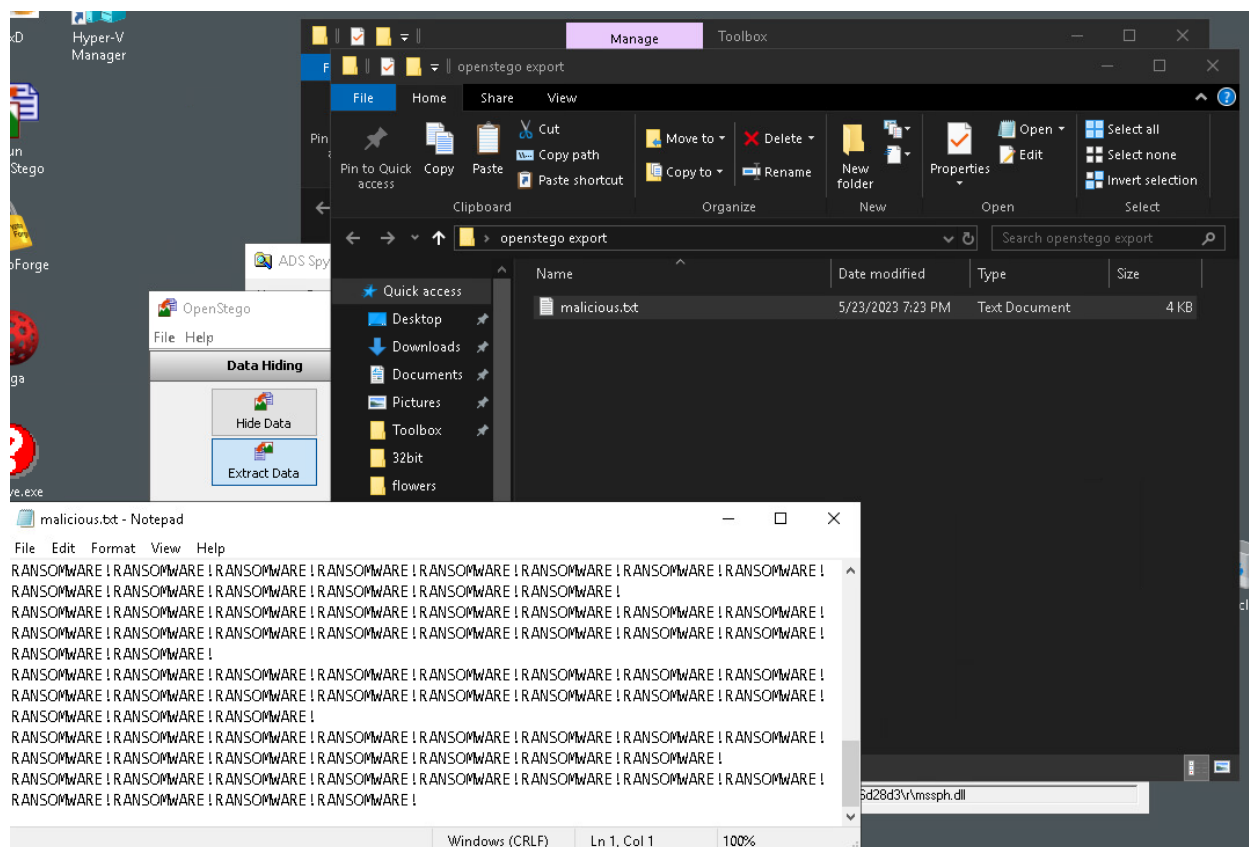
```
C:\Users\Administrator\Desktop\LAB23>
```



7:14 PM
5/23/2023







```
root@kali: ~
File Actions Edit View Help
root@kali: ~
root@kali:~# touch lab23.txt
root@kali:~# setfattr -n user.attribute1 -v "data hidden here" lab23.txt
root@kali:~# setfattr -n user.attribute2 -v "data also hidden here" lab23.txt
root@kali:~# getfattr -d lab23.txt
# file: lab23.txt
user.attribute1="data hidden here"
user.attribute2="data also hidden here"

root@kali:~#
```

```
root@kali: ~
File Actions Edit View Help

root@kali: ~
root    tty7      :0          Sat Feb 29 17:05 - 17:08 (00:02)
reboot  system boot 5.3.0-kali2-amd6 Sat Feb 29 16:37 - 17:08 (00:30)
root    tty7      :0          Sat Feb 29 12:40 - 16:34 (03:54)
reboot  system boot 5.3.0-kali2-amd6 Sat Feb 29 12:39 - 16:34 (03:54)
root    tty7      :0          Sat Feb 29 11:01 - 12:30 (01:29)
reboot  system boot 5.3.0-kali2-amd6 Sat Feb 29 10:10 - 12:30 (02:20)
reboot  system boot 5.3.0-kali2-amd6 Wed Feb 26 17:41 - 18:21 (1+00:39)
root    tty7      :0          Wed Jan 15 12:20 - 13:06 (00:45)
reboot  system boot 5.3.0-kali2-amd6 Wed Jan 15 12:20 - 13:06 (00:45)
reboot  system boot 5.3.0-kali2-amd6 Tue Jan 14 13:37 - 12:18 (22:41)
root    tty7      :0          Tue Jan 14 11:31 - 12:08 (00:36)
reboot  system boot 5.3.0-kali2-amd6 Tue Jan 14 10:52 - 12:08 (01:15)
root    tty7      :0          Mon Jan 13 15:00 - 15:43 (00:43)
reboot  system boot 5.3.0-kali2-amd6 Mon Jan 13 14:59 - 15:43 (00:43)
root    tty7      :0          Mon Jan 13 14:41 - 14:52 (00:10)
root    tty7      :0          Mon Jan 13 14:41 - 14:41 (00:00)
reboot  system boot 5.3.0-kali2-amd6 Mon Jan 13 13:46 - 14:52 (01:05)
root    tty7      :0          Thu Dec 19 11:19 - 13:48 (02:29)
reboot  system boot 5.3.0-kali2-amd6 Wed Dec 18 15:50 - 13:48 (21:57)
root    tty7      :0          Wed Dec 18 15:30 - 15:31 (00:01)
reboot  system boot 5.3.0-kali2-amd6 Wed Dec 18 15:30 - 15:31 (00:01)
root    tty7      :0          Wed Dec 18 15:24 - 15:29 (00:05)
reboot  system boot 5.3.0-kali2-amd6 Wed Dec 18 15:23 - 15:29 (00:06)
root    tty7      :0          Wed Dec 18 13:15 - 13:16 (00:00)
reboot  system boot 5.3.0-kali2-amd6 Wed Dec 18 13:10 - 13:16 (00:05)
root    tty7      :0          Mon Nov 25 13:44 - 13:45 (00:01)
reboot  system boot 5.3.0-kali2-amd6 Mon Nov 25 13:41 - 13:45 (00:03)

wtmp begins Mon Nov 25 13:41:55 2019
root@kali:~#
```

```
wtmp begins Mon Nov 25 13:41:55 2019
root@kali:~# cat /dev/null > /var/log/wtmp
root@kali:~# cat /dev/null > /var/log/btmp
root@kali:~# last -f /var/log/btmp

btmp begins Tue May 23 15:31:22 2023
root@kali:~# last -f /var/log/wtmp

wtmp begins Tue May 23 15:31:19 2023
root@kali:~#
```

```
root@kali:~# sudo grep sudo /var/log/auth.log
May 23 15:32:02 kali sudo:      root : TTY=pts/0 ; PWD=/root ; USER=root ; COMMAND=/usr/sbin/ifconfig
May 23 15:32:02 kali sudo: pam_unix(sudo:session): session opened for user root by (uid=0)
May 23 15:32:02 kali sudo: pam_unix(sudo:session): session closed for user root
May 23 15:32:13 kali sudo:      root : TTY=pts/0 ; PWD=/root ; USER=root ; COMMAND=/usr/bin/grep sudo /var/log/auth.log
May 23 15:32:13 kali sudo: pam_unix(sudo:session): session opened for user root by (uid=0)
root@kali:~#
```



```
cp /dev/null /var/log/auth.log
May 23 15:32:13 kali sudo: pam_unix(sudo:session): session opened for user root by (uid=0)
root@kali:~# cat /dev/null > /var/log/auth.log
root@kali:~# cat /var/log/auth/log
cat: /var/log/auth/log: No such file or directory
root@kali:~#
```