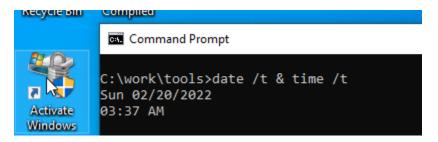
# TASK 1: COLLECTING VOLATILE INFORMATION

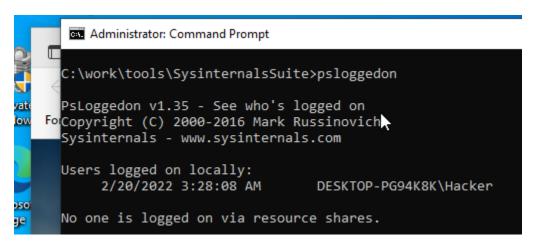
### Part 1:



To see the date and time of our machine we use this command "date /t & time /t"

- → date gives us date
- → /t shifts to next line
- → & is used to put another command
- → time gives us current time

#### Part 2:



Okay so we have installed tools that are going to show us computer features. Here we are using psloggedon tool to see the current logged in user

#### Part 3:

Here we are able to see how many active logon sessions are created and managed by Local Security Authority(**LSA**).

We have used findstr to only show us the IDS of the sessions

```
C:\work\tools\SysinternalsSuite>logonsessions -p
LogonSessions v1.41 - Lists logon session information
 Copyright (C) 2004-2020 Mark Russinovich
 Sysinternals - www.sysinternals.com
 [0] Logon session 00000000:000003e7:
    User name: WORKGROUP\DESKTOP-PG94K8K$
    Auth package: NTLM
    Logon type: (none)
    Session:
                  0
     Sid:
                  S-1-5-18
    Logon time: 2/20/2022 3:27:34 AM
     Logon server:
    DNS Domain:
    UPN:
      596: winlogon.exe
      688: lsass.exe
       792: svchost.exe
      880: svchost.exe
      984: svchost.exe
      708: svchost.exe
      1244: svchost.exe
      1288: svchost.exe
      1304: svchost.exe
      1472: svchost.exe
      1512: svchost.exe
```

<sup>-</sup>p flag is used to list down all the processes running on each session.

### Part 4:

Fo	ForC:\work\tools\SysinternalsSuite>netstat -a								
	Active C	onnections							
	Proto	Local Address	Foreign Address	State					
	TC	0.0.0.0:135	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:445	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:5040	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:7680	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:49664	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:49665	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:49666	DESKTOP-PG94K8K:0	LISTENING					
	TCP	0.0.0.0:49667	DESKTOP-PG94K8K:0	LISTENING					
8	TCP	0.0.0.0:49668	DESKTOP-PG94K8K:0	LISTENING					
40	TCP	0.0.0.0:49669	DESKTOP-PG94K8K:0	LISTENING					
Sh:	TCP	0.0.0.0:49670	DESKTOP-PG94K8K:0	LISTENING					
650	TCP	0.0.0.0:56381	DESKTOP-PG94K8K:0	LISTENING					
AL A	TCP	127.0.0.1:10801	DESKTOP-PG94K8K:0	LISTENING					
1	TCP	127.0.0.1:19050	DESKTOP-PG94K8K:0	LISTENING					
	TCP	127.0.0.1:49721	DESKTOP-PG94K8K:0	LISTENING					
781	TCP	127.0.0.1:49725	DESKTOP-PG94K8K:58049	ESTABLISHED					
	TCP	127.0.0.1:49890	DESKTOP-PG94K8K:49891	ESTABLISHED					
Strike.	TCP	127.0.0.1:49891	DESKTOP-PG94K8K:49890	ESTABLISHED					

"netstat" is a command line utility used to see network statistics, for example list down all the connections that have been established by the user

C:\work\tools\Sysintern	alsSuite>tas	sklist		
Image Name		Session Name	Session#	Mem Usage
System Idle Process		Services		8 K
System		Services	0	144 K
Registry		Services	9	72,412 K
smss.exe		Services	9	1,212 K
csrss.exe		Services	ø	5,204 K
wininit.exe		Services	9	6,944 K
csrss.exe	536	Console	1	5,468 K
winlogon.exe	596	Console	1	11,524 K
services.exe	664	Services	0	9,576 K
lsass.exe	688	Services	0	18,380 K
svchost.exe	792	Services	0	3,344 K
fontdrvhost.exe	800	Services	0	3,408 K
fontdrvhost.exe	808	Console	1	6,256 K
svchost.exe	880	Services	0	26,684 K
svchost.exe	932	Services	0	13,788 K
svchost.exe	984	Services	0	7,528 K
dwm.exe	376	Console	1	71,984 K
svchost.exe		Services	0	9,680 K
svchost.exe		Services	0	6,056 K
svchost.exe	1120	Services	0	5,380 K
svchost.exe	1128	Services	0	20,220 K

"tasklist" is a command line utility that displays running processes on a computer

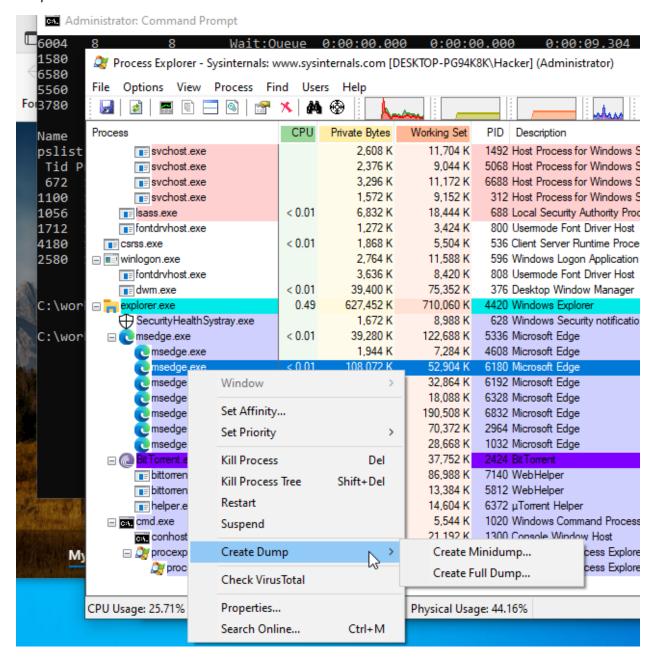
Image Name	PID	Session Name	Session#	Mem Usage
======================================	792	Services	0	3,344 K
fontdrvhost.exe		Services	0	3,408 K
fontdrvhost.exe	808	Console		6,260 K
svchost.exe	880	Services	0	26,684 K
svchost.exe	932	Services	0	13,788 K
svchost.exe	984	Services	0	7,544 K
svchost.exe	708	Services	0	9,680 K
svchost.exe	1112	Services	0	6,056 K
svchost.exe	1120	Services	0	5,380 K
svchost.exe	1128	Services	0	20,216 K
svchost.exe	1244	Services	0	13,360 K
svchost.exe	1260	Services	0	7,628 K
svchost.exe	1288	Services	0	5,812 K
svchost.exe	1304	Services	0	63,164 K
svchost.exe	1336	Services	0	11,660 K
Memory Compression	1452	Services	0	15,176 K
svchost.exe	1464	Services	0	7,120 K

**/FI** flag is used to filter the processes, **"PID gt 700"** It is going to show processes having PID(process id) greater than 700

#### Task 5:

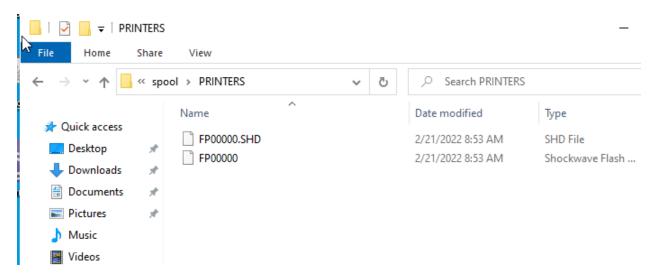
```
C:\work\tools\SysinternalsSuite>pslist -x
PsList v1.4 - Process information lister
Copyright (C) 2000-2016 Mark Russinovich
Sysin ernals - www.sysinternals.com
Process and thread information for DESKTOP-PG94K8K:
Name
                     Pid
                              VM
                                      WS
                                             Priv Priv Pk
                                                             Faults
                                                                      NonP Page
Idle
                               8
                                        8
                                               60
                                                       60
                                                                         0
 Tid Pri
                                         User Time
                                                      Kernel Time
                                                                     Elapsed Time
            Cswtch
                               State
   0
       А
            434774
                             Running
                                      0:00:00.000
                                                     0:26:03.531
                                                                     0:00:00.000
            816622
                                                     0:23:46.890
       0
                             Running
                                      0:00:00.000
                                                                     0:00:00.000
   0
   0
       0
            523241
                             Running
                                      0:00:00.000
                                                     0:18:00.890
                                                                     0:00:00.000
                                                                      NonP Page
                     Pid
                              VM
                                      WS
                                             Priv Priv Pk
                                                             Faults
Name
System
                            3896
                                             196
                                                      216
                                                               2545
                                                                         0
                                                                               0
                               State
                                         User Time
                                                      Kernel Time
                                                                     Elapsed Time
 Tid Pri
            Cswtch
  12
     15
                 1
                     Wait:Executive 0:00:00.000
                                                     0:00:00.000
                                                                     0:00:00.000
  16
                 3
                     Wait:Executive
                                      0:00:00.000
                                                     0:00:00.000
                                                                     0:00:00.000
      15
  20
                 5
                      Wait:Executive
                                      0:00:00.000
                                                     0:00:00.000
                                                                     0:00:00.000
      13
  24
      16
              1110
                      Wait:Executive
                                      0:00:00.000
                                                     0:00:00.046
                                                                     0:00:00.000
  28
      12
                75
                      Wait:Executive
                                      0:00:00.000
                                                     0:00:00.015
                                                                     0:32:19.245
  36
       9
             13159
                          Wait:Queue
                                      0:00:00.000
                                                     0:00:00.078
                                                                     0:32:19.245
      31
                      Wait:Suspended
                                      0:00:00.000
                                                     0:00:00.000
                                                                     0:32:19.245
  40
                 1
  44
      31
                      Wait:Suspended
                                      0:00:00.000
                                                     0:00:00.000
                                                                     0:32:19.245
```

**Pslist** is a tool that is used to display information about CPU usage and the processes running on the computer



We can use the tool called **procexp** that can create full memory dump of a single process which can used further in Malware Analysis

### Task 6:



In this step we only saw that printer's files are stored at this specific location

## SUMMARY

This whole lab was about collecting volatile information. First of all, we saw how to check date and time and the user connected to the computer. After that we saw the network connections that are established with our computer using "netstat" command. We also got to know about "tasklist", "pslist" commands that gave us information related to tasks and processes running on our Windows, At last we saw where our printer files are stored once they are printed.