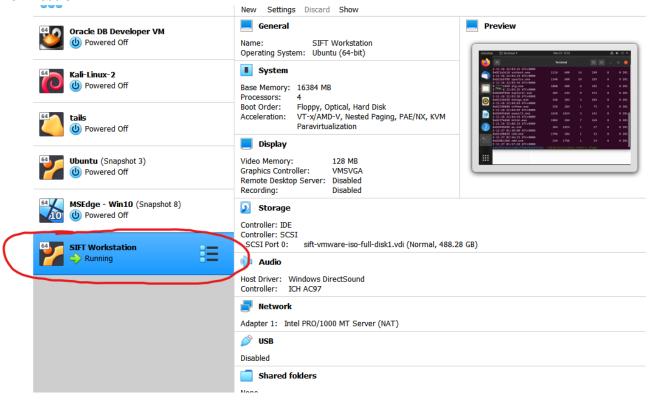
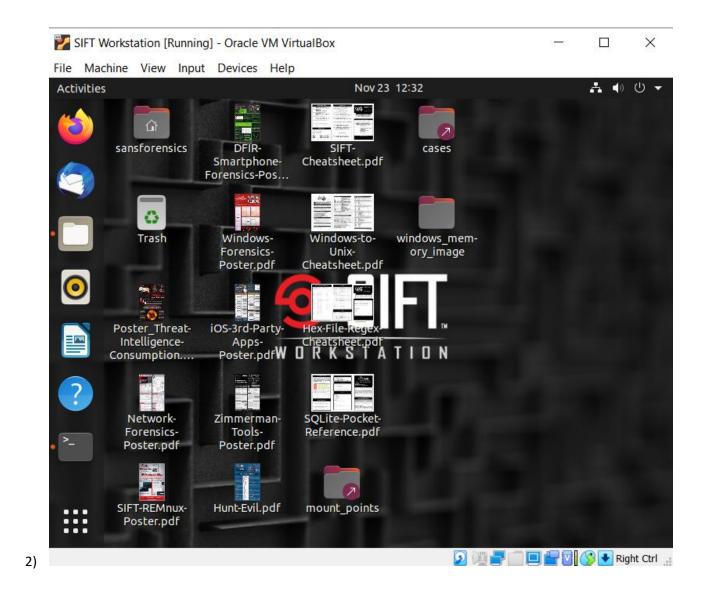
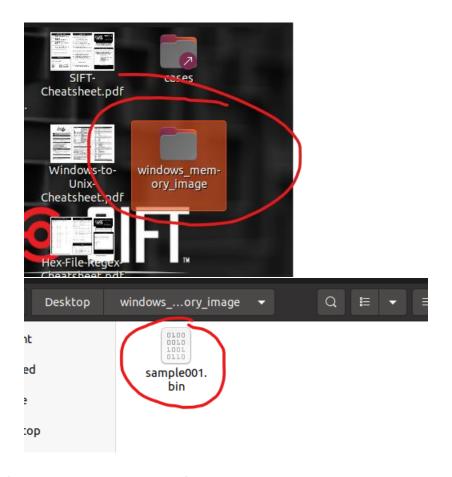
1) Download SIFT VM

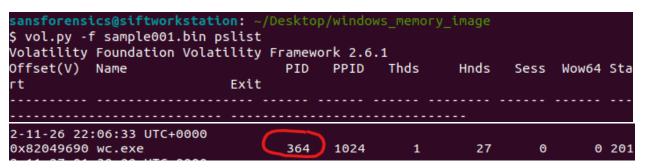




3) Unzip the attached file to the VM



4) 1. What is the process ID of the wc.exe process?



5) 2. How many DLL files does cmd.exe have loaded?

There are 23 files with "dll" in them; but only 1 with a capital "DLL" (screenshot below)

```
| Source | S
```

6) 3. What is the username of the non-default user account?

```
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
$ vol.py -f sample001.bin cachedump
Volatility Foundation Volatility Framework 2.6.1
administrator:00c2bcc2230054581d3551a9fdcf4893:petro-market:petro-market.org
callb:)78526e1cb2fdfc36d764595f1ddd0f7:petro-market:petro-market.org
```

7) 4. What is the machine's IP address?

```
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
$ vol.py -f sample001.bin connections
Volatility Foundation Volatility Framework 2.6.1
Offset(V) Local Address Remote Address Pid
0x8201f850 172.16.150.20 1292 172.16.150.10:445 4
```

8) 5. What is the IP address of the web server the machine was connected to on port 80?

```
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
$ vol.py -f sample001.bin connscan and sockscan
Volatility Foundation Volatility Framework 2.6.1
Offset(P) Local Address Remote Address
                                                               Pid
0x01f60850 0.0.0.0:0
                                     1.0.0.0:0
                                                               36569092
0x01ffa850 172.16.150.20:1291
                                     58.64.132.141:80
                                                               1024
0x0201f850 172.16.150.20:1292
0x02084e68 172.16.150.20:1281
                                     172.16.150.10:445
                                                               4
                                     172.16.150.10:389
                                                               628
0x020f8988 172.16.150.20:2862
                                     172.16.150.10:135
                                                               696
0x02201008 172.16.150.20:1280
                                     172.16.150.10:389
                                                               628
0x18615850 172.16.150.20:1292
                                    172.16.150 10:445
                                                               4
0x189e8850 172.16.150.20:1291
                                   58.64.132.141:80
                                                               1024
                                                               628
0x18a97008 172.16.150.20:1280
                                     172.16.150.10.389
0x18b8e850 0.0.0.0:0
                                     1.0.0.0:0
                                                               36569092
0x18dce988 172.16.150.20:2862
                                     172.16.150.10:135
                                                               696
```

9) 6. What is the URL in the current user's clipboard?

```
$ vol.py -f sample001.bin clipboard
Volatility Foundation Volatility Framework 2.6.1
                                                     Handle Object
Session
            WindowStation Format
                                                                         Data
                                                   0x2d009d 0xe11d21d0
         0 WinSta0
                            0xc0091
                            CF_TEXT
CF_UNICODETEXT
         0 WinSta0
                                                         0x0 -
                                                    0x90225 0xe131d420 http://58.64.132.8/download/Symantec-1.43-1.exe
         0 WinSta0
         0 WinSta0
                            0xc0b9L
                                                         0x0
          0 WinSta0
                            0xc11cL
                                                         0x0 -----
          0 WinSta0
                            0xc013L
                                                   0x4c00d9 0xe1a60f18
          0 WinSta0
                            CF_LOCALE
                                                    0x9016b 0xe12484e0
          0 WinSta0
                            CF OEMTEXT
                                                        0x1 -----
```

10) 7. What does the clock say on the user's desktop?

```
$ vol.py -f sample001.bin imageinfo
Volatility Foundation Volatility Framework 2.6.1
                                 : Determining profile based on KDBG search..
INFO
        : volatility.debug
           Suggested Profile(s): WinXPSP2x86, WinXPSP3x86 (Instantiated with WinXPSP2x86)
                       AS Layer1 :
                                     IA32PagedMemory (Kernel AS)
                       AS Layer2 :
                                     FileAddressSpace (/home/sansforensics/Desktop/windows_memory_image/sample001.bin)
                        PAE type :
                                    No PAE
                             DTB
                                  : 0x39000L
                                    0x8054cde0L
                             KDBG:
           Number of Processors
     Image Type (Service Pack)
                 KPCR for CPU 0
                                  : 0xffdff000L
            KUSER_SHARED_DATA : 0xffdf0000L
Image date and time : 2012-11-27 01:57:28 UTC+0000
     Image local date and time : 2012-11-26 19:57:28 -0600
```

11) 8. What windows domain is the computer one?

```
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
$ vol.py -f sample001.bin cachedump
Volatility Foundation Volatility Framework 2.6.1
administrator:00c2bcc2230054581d3551a9fdcf4893 petro-market.petro-market.org
callb:178526e1cb2fdfc36d764595f1ddd0f7:petro-market.petro-market.org
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
```

12) 9. What are the cached domain authentication hashes for any available users?

```
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
$ vol.py -f sample001.bin cachedump
Volatility Foundation Volatility Framework 2.6.1
administrator:00c2bcc2230054581d3551a9fdcf4893:petro-market:petro-market.org
callb:178526e1cb2fdfc36d764595f1ddd0f7:petro-market:petro-market.org
```

13) 10. What are the local password hashes for non-domain users?

```
sansforensics@siftworkstation: ~/Desktop/windows_memory_image
$ vol.py -f sample001.bin hashdump
Volatility Foundation Volatility Framework 2.6.1
Administrator:500:b7ae6225a35c376da8d03b0a558fdf1f:159cb99e6dfd8830d25e8592c505d4be:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
HelpAssistant:1000:42dbf3333659cabcd0b546a25124a5476:dfd19a421051e8329e0c7b5aa7fe7dbe:::
SUPPORT_388945a0:1002:aad3b435b51404eeaad3b435b51404ee:5168fdd9d699311c78acabde3c849622:::
sysbackup:1004:c2a3915df2ec79ee73108eb48073acb7:e7a6f270f1ba562a90e2c133a95d2057:::
```

14) 11. How many open file handles point to files with three letter file extensions?

There are a **total of 103** open file handles point to files with three letter file extensions:

Used the command "vol.py -f sample001.bin -t File | grep -E "\.\w{3}\$" as this prints out all the 3 letter extensions under the file type option.

```
S vol.py -f sample001.bin handles -t File | grep -t "\-\w[3]5"

Volatlity Foundston Volatlity Francest 2.5.1

Volatlity Foundston Volatlity Francest 2.5.1
                                                                                                                                                                                                                                                            4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
680
680
680
680
692
1024
1024
1024
1024
1024
1024
```

After this I put it into a note pad and counted the lines which lead to 103



15) 12. What two websites did the logged-in user visit?

```
sansforensics@siftworkstation: ~/Desktop/windows memory image
 $ vol.py -f sample001.bin iehistory
 Volatility Foundation Volatility Framework 2.6.1
   ***************
 Process: 284 explorer.exe
 Cache type "DEST" at 0xdcb69
 Last modified: 2012-11-26 17:01:53 UTC+0000
 Last accessed: 2012-11-26 23:01:54 UTC+0000
 URL: callb@http://58.64.132.8/download/Symantec-1.43-1.exe
 Process: 284 explorer.exe
 Cache type "URL " at 0x2895000
 Record lenath: 0x100
 Location: Visited: callb@http://58.64.132.8/download/Symantec-1.43-1.exe
 Last modified: 2012-11-26 23:01:53 UTC+0000
 Last accessed: 2012-11-26 23:01:53 UTC+0000
 File Offset: 0x100, Data Offset: 0x0, Data Length: 0xa8
 Process: 284 explorer.exe
 Cache type "URL " at 0x2895100
 Record length: 0x100
Location: Visited: callb@about:Home
 Last modified: 2012-11-03 22:55:33 UTC+0000
 Last accessed: 2012-11-03 22:55:33 UTC+0000
 File Offset: 0x100, Data Offset: 0x0, Data Length: 0x84
```

16) 13. What is the machine name?

```
None Shutdownlime |
Registry: LastWrite
Registry: LastWrite
None Bias | SYSTEM\
                                                      Microsoft Windows XP ProductName | SOFTWARE\Microsoft\Windows NT\CurrentVersion x86 PROCESSOR_ARCHITECTURE | SYSTEM\ControlSet001\Control\Session Manager\Environmer
```

17) 14. How many entries are in the security event log?

There are None (screenshot below):

```
Secevent.txt
-/Desktop/windows_memory_image
```

To confirm if this is truly the results, I ran the following command:

Using the grahic below, we can confirm or not by looking at the binary values with the below reference (https://volatility-labs.blogspot.com/2012/09/movp-23-event-logs-and-service-

sids.html):

0Z XX XX XX AA 00 00 00 BB 00 00 00 CC 00 00 0D 00 00 00 EE 00 00 00 FF 00 00 00 GG 00 00 00 HH 00 00 00 II 00 00 00 XX 00 00 00

- 00 No auditing
- 01 Success events audited
- 02 Failure events audited
- 03 Both Success and failure audited
- **Z** Determines if the policy is enabled or disabled.
- AA Restart, Shutdown, System
- **BB** Logons and Logoffs
- CC File and Object Access
- **DD** Use of User Rights
- **EE** Process Tracking

- FF Policy Change
- GG User/Group Account Management
- **HH** Directory Service Access
- II Account Logon Events

As you can see, the first two binary data are marked as "**00**" thus this shows that the policy is **disabled and no auditing was available**

18) 15. What was the name of the most recently started scheduled task?

sansforensics@siftworkstation: ~/Desktop/windows_memory_image												
\$ vol.py -f sample001.bin pslist Volatility Foundation Volatility Framework 2.6.1												
	Name			Thds	Hada	Conn	Wow64	Chack	Exit			
orrset(v)	Name	PID	PPID	inds	Hnds	sess	WOW04	Start	EXIL			
0x823c8830	System	4	0	51	271		0					
	smss.exe	356	4	3	19		0	2012-11-26	22:03:28 UTC+0000			
0x821b0020	csrss.exe	604	356	12	351	0	0	2012-11-26	22:03:29 UTC+0000			
0x82189da0	winlogon.exe	628	356	18	653	0	0	2012-11-26	22:03:29 UTC+0000			
	services.exe	680	628	15	243	0	0	2012-11-26	22:03:30 UTC+0000			
0x82244020	lsass.exe	692	628	22	407	0	0	2012-11-26	22:03:30 UTC+0000			
0x8219e2c8	svchost.exe	852	680	14	187	0	0	2012-11-26	22:03:31 UTC+0000			
0x82192b10	svchost.exe	940	680	9	258	0	0	2012-11-26	22:03:31 UTC+0000			
0x820b3da0	svchost.exe	1024	680	76	1645	0	0	2012-11-26	22:03:32 UTC+0000			
0x821a62e0	svchost.exe	1068	680	5	81	0	0	2012-11-26	22:03:32 UTC+0000			
0x821a3c10	svchost.exe	1116	680	14	248	0	0	2012-11-26	22:03:33 UTC+0000			
0x822e9700	spoolsv.exe	1348	680	10	105	0	0	2012-11-26	22:03:34 UTC+0000			
0x8203c020	alg.exe	1888	680	6	105	0	0	2012-11-26	22:03:35 UTC+0000			
0x8204f020	explorer.exe	284	244	9	372	0	0	2012-11-26	22:03:58 UTC+0000			
0x82226650	msmsgs.exe	548	284	3	204	0	0	2012-11-26	22:04:03 UTC+0000			
0x822408d0	ctfmon.exe	556	284	1	75	0	0	2012-11-26	22:04:03 UTC+0000			
0x82045da0	wuauclt.exe	1628	1024	3	142	0	0	2012-11-26	22:04:43 UTC+0000			
0x821feda0	msimn.exe	1984	284	7	359	0	0	2012-11-26	22:06:33 UTC+0000			
0x82049690	wc.exe	364	1024	1	27	0	0	2012-11-27	01:30:00 UTC+0000			
0x822d0828	cmd.exe	1796	284	1	33	0	0	2012-11-27	01:56:21 UTC+0000			
0x820b13b8	mdd.exe	244	1796	1	. 24	ט	0	2012-11-27	01:57:28 UTC+0000			

It is mdd.exe because it has the latest start time

19) 16. Where was mdd.exe copied from?

From the root directory

```
sansforensics@siftworkstation: ~/Desktop/windows memory image
$ vol.py -f sample001.bin cmdscan
Volatility Foundation Volatility Framework 2.6.1
CommandProcess: csrss.exe Pid: 604
CommandHistory: 0x4f4db0 Application: wc.exe Flags: Allocated
CommandCount: 0 LastAdded: -1 LastDisplayed: -1
FirstCommand: 0 CommandCountMax: 50
ProcessHandle: 0x424
                            *******
CommandProcess: csrss.exe Pid: 604
CommandHistory: 0x11486f8 Application: cmd.exe Flags: Allocated, Reset
CommandCount: 5 LastAdded: 4 LastDisplayed: 4
FirstCommand: 0 CommandCountMax: 50
ProcessHandle: 0x348
cmd #0 @ 0x4f2f38: net use r: \\172.16.150.10\ITShare
Cmd #1 @ 0x4f1f68: cd\
ста #2 @ wx4T32aw. copy r:\mdd.exe .
Cmd #3 @ 0x4f2720: dir
Cmd #4 @ 0x4f2e98: mdd.exe -o callb-memdump.bin
****************
CommandProcess: csrss.exe Pid: 604
CommandHistory: 0x1148c28 Application: mdd.exe Flags: Allocated
CommandCount: 0 LastAdded: -1 LastDisplayed: -1
FirstCommand: 0 CommandCountMax: 50
ProcessHandle: 0x59c
```

20) 17. What year and month did Windows Update last run?

Windows update was last run on 2012/Nov/3rd. We know this is the register key to the current build as "HKLM\Software\Microsoft\Windows NT\CurrentVersion" thus the user would've last run to update their system on that date.

21) Make sure your VM has paging file is configured



- 22) Create a dump file from your windows VM using one of the tools discussed in class
 - Used FTK Imager and ran the memory collection process:
 - AccessData FTK Imager 4.2.1.4

 File View Mode Help

 Add Evidence Item...

 Add All Attached Devices

 Image Mounting...

 Remove Evidence Item

 Remove All Evidence Items

 Create Disk Image...

 Export Disk Image...

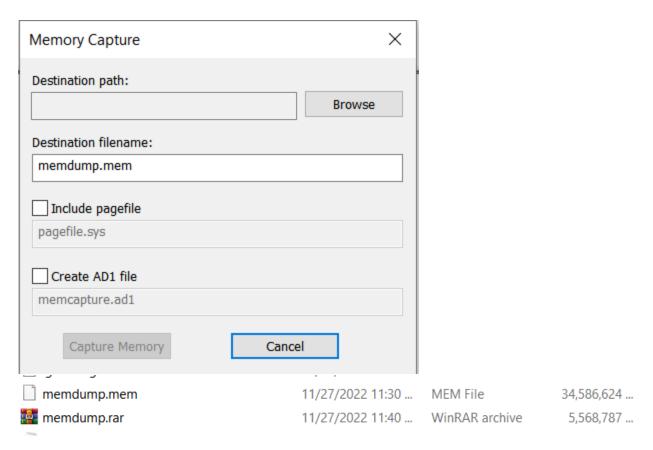
 Export Logical Image (AD1)...

 Add to Custom Content Image (AD1)...

 Decrypt AD1 image...

 Verify Drive/Image...

 Capture Memory...



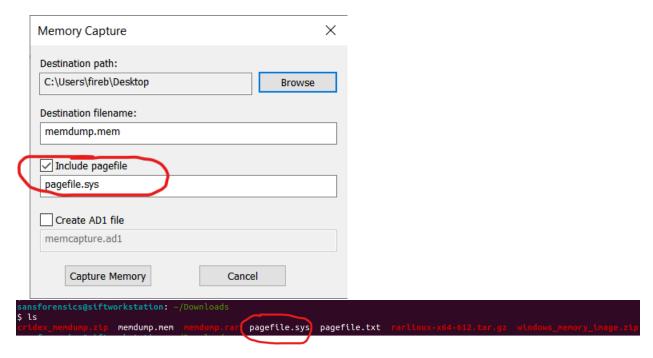
23) Find the matching profile for your VM – This was the best solution since it's the latest release

```
Win10x64
                      - A Profile for Windows 10 x64
Win10x64_10240_17770
                      - A Profile for Windows 10 x64 (10.0.10240.17770 / 2018-02-10)
Win10x64_10586
                      - A Profile for Windows 10 x64 (10.0.10586.306 / 2016-04-23)
Win10x64_14393
                      - A Profile for Windows 10 x64 (10.0.14393.0 / 2016-07-16)
                      - A Profile for Windows 10 x64 (10.0.15063.0 / 2017-04-04)
Win10x64_15063
                      - A Profile for Windows 10 x64 (10.0.16299.0 / 2017-09-22)
Win10x64_16299
Win10x64_17134
                      - A Profile for Windows 10 x64 (10.0.17134.1 / 2018-04-11)
                      - A Profile for Windows 10 x64 (10.0.17763.0 / 2018-10-12)
Win10x64_17763
Win10x64 18362
                      - A Profile for Windows 10 x64 (10.0.18362.0 / 2019-04-23)
Win10x64 19041
                      - A Profile for Windows 10 x64 (10.0.19041.0 / 2020-04-17)
```

24) Extract the list of all processes

<pre>sansforensics@siftworkstation: ~/Downlo \$ vol.py -f memdump.memprofile=Win10</pre>	ads x64_19041	l pslis	t				
Volatility Foundation Volatility Framew Offset(V) Name	PID	PPID	Thds	Hnds		Wow64 Start	Exit
0xffffae0d690e1140 System	4	0	245 4	0		0 2022-11-27 23:04:07 UTC+0000	
0xffffae0d692dc080 Registry 0xffffae0d73087040 smss.exe 0xffffae0d82c020c0 csrss.exe	572	4 4	2	0		0 2022-11-27 23:04:07 UTC+0000	
<pre>0xfffffae0d82c020c0 csrss.exe 0xfffffae0d7a41c080 wininit.exe</pre>	748 848		19 1			0 2022-11-27 23:04:13 UTC+0000 0 2022-11-27 23:04:14 UTC+0000	
0xffffae0d7a41f140 csrss.exe	856	840		0			
<pre>0xfffffae0d7a46a080 services.exe 0xfffffae0d7a493080 lsass.exe</pre>	920 936	848 848	6 10	0	0		
0xffffae0d7a4a4080 winlogon.exe	996	840	5	0 0 0 0	1	0 2022-11-27 23:04:14 UTC+0000	
<pre>0xffffae0d7ba560c0 svchost.exe 0xffffae0d7a4a2080 fontdrvhost.ex</pre>	100 1028	920 848	12 5	0	0		
0xffffae0d7ba47080 fontdrvhost.ex	1036	996	5	0	1	0 2022-11-27 23:04:14 UTC+0000	
<pre>0xfffffae0d7bab2240 svchost.exe 0xfffffae0d825c9080 svchost.exe</pre>	1124 1172	920 920	3	0	0 0		
0xffffae0d7a94f080 dwm.exe 0xffffae0d7a9c9080 svchost.exe	1232 1364	996 920	21 3	0			
0xffffae0d7a9d9080 svchost.exe	1420	920		0	0	0 2022-11-27 23:04:15 UTC+0000	
<pre>0xfffffae0d7a9e0080 svchost.exe 0xfffffae0d7d3020c0 svchost.exe</pre>	1448 1456	920 920	3 3	0 0	0		
0xffffae0d7d305080 svchost.exe	1464	920	2	0	0	0 2022-11-27 23:04:15 UTC+0000	
<pre>0xfffffae0d7a9de080 svchost.exe 0xffffae0d7d3900c0 svchost.exe</pre>	1472 1628	920 920	3 5	0			
0xffffae0d7d3a8080 svchost.exe	1668	920		0	0	0 2022-11-27 23:04:15 UTC+0000	
<pre>0xffffae0d7db020c0 svchost.exe 0xffffae0d7d379080 svchost.exe</pre>	1716 1724	920 920	3 7	0 0	0		
0xffffae0d7db980c0 svchost.exe	1932	920		0		0 2022-11-27 23:04:15 UTC+0000	
<pre>0xfffffae0d7f81d080 svchost.exe 0xfffffae0d7f85c080 NVDisplay.Cont</pre>	2016 1168	920 920	5 10				
0xffffae0d7f867080 svchost.exe	1788	920	1 1	0	0		
<pre>0xfffffae0d7f8b80c0 svchost.exe 0xfffffae0d7dc1a080 svchost.exe</pre>	2052 2124	920 920	5	0			
0xffffae0d7dc38080 svchost.exe 0xffffae0d7dc42080 svchost.exe	2244 2276	920 920	4 2	0 0	0 0		
0xffffae0d7dc43080 svchost.exe	2284	920	4	0	0		
<pre>0xfffffae0d7dcca080 svchost.exe 0xffffae0d7dccb080 svchost.exe</pre>	2292 2300	920 920	6 6	0 0	0	0 2022-11-27 23:04:15 UTC+0000 0 2022-11-27 23:04:15 UTC+0000	
0xffffae0d7fb29040 MemCompression	2412	4	54			0 2022-11-27 23:04:15 UTC+0000	
<pre>0xfffffae0d7fbc8080 svchost.exe 0xffffae0d7fbd7080 svchost.exe</pre>	2464 2516	920 920	2 4	0	0		
0xffffae0d7fbda080 svchost.exe	2524	920		0		0 2022-11-27 23:04:15 UTC+0000	
0xfffffae0d7a281080 svchost.exe 0xffffae0d7b9ac080 xTendUtilitySe	2608 5736	920 920	2 6	0	0	0 2022-11-27 23:04:15 UTC+0000 0 2022-11-27 23:04:16 UTC+0000	
0xffffae0d7b9c2080 xTendSoftAPSer	5744	920	6	0	0	0 2022-11-27 23:04:16 UTC+0000	
<pre>0xfffffae0d7bc8f080 unsecapp.exe 0xfffffae0d7bbc8280 xTendSoftAP.ex</pre>	6056 6324	100 5744	3 2	0	0		
0xffffae0d7bbcd0c0 xTendUtility.e	6344	5736	2	0	0	0 2022-11-27 23:04:16 UTC+0000	
<pre>0xfffffae0d7bbd0080 conhost.exe 0xffffae0d7bbc9080 conhost.exe</pre>	6352 6360	6324 6344	4 4	0			
0xffffae0d7bbe6080 WmiPrvSE.exe 0xffffae0d7bd92080 rundll32.exe	6412 6644	100 4156	4 2	0			
0xffffae0d7c958080 conhost.exe	7020	4392	4	0	0		
0xffffae0d7cdf4080 EasyTuneEngine 0xffffae0d71df7080 dllhost.exe	6636 3980	920 100	10 4	0	0	1 2022-11-27 23:04:22 UTC+0000 0 2022-11-27 23:04:26 UTC+0000	
0xffffae0d7dade080 SocketHeciServ	7140	920	2	0	0	0 2022-11-27 23:04:29 UTC+0000	
<pre>0xffffae0d7f4f6080 nvcontainer.ex 0xffffae0d7e7f2080 sihost.exe</pre>	4496 8384	4156 1628	30 9	0 0	1		
0xffffae0d7e7f3080 svchost.exe	8468	920	10	0	1	0 2022-11-27 23:04:33 UTC+0000	
<pre>0xfffffae0d7e8dc080 svchost.exe 0xfffffae0d7f5f2080 nvnodejslaunch</pre>	6764 3096	920 1420	3 0 -	0	1	1 2022-11-27 23:04:33 HTC+0000	2022-11-27 23:04:42 UTC+0000
0xffffae0d7f5ed080 taskhostw.exe	9300	1420	8	0	1	0 2022-11-27 23:04:33 UTC+0000	
0xffffae0d7f56f080 svchost.exe 0xffffae0d7f62c080 logioptionsplu	9344 9504	920 4256	4 102	0 0	1		
0xffffae0d7f62e080 userinit.exe 0xffffae0d7df22080 explorer.exe	9544 9572	996 9544	0 -	0	1	0 2022-11-27 23:04:33 UTC+0000 0 2022-11-27 23:04:33 UTC+0000	2022-11-27 23:04:56 UTC+0000
0xffffae0d7dfc6080 svchost.exe	9628	920	8	0	0	0 2022-11-27 23:04:33 UTC+0000	
<pre>0xfffffae0d7ea14080 svchost.exe 0xffffae0d7eae1080 svchost.exe</pre>	9296 10332	920 920	9 1	0	1	0 2022-11-27 23:04:34 UTC+0000 0 2022-11-27 23:04:34 UTC+0000	
0xffffae0d7ea50080 logioptionsplu	10452	9504	7	0		0 2022-11-27 23:04:34 UTC+0000	
<pre>0xfffffae0d7eae2080 svchost.exe 0xfffffae0d7ef85080 SearchIndexer.</pre>	10468 10748	920 920	8 16	0 0	0 0	0 2022-11-27 23:04:34 UTC+0000 0 2022-11-27 23:04:34 UTC+0000	
0xffffae0d820dd2c0 StartMenuExper 0xffffae0d81fc6080 svchost.exe	11204	100	10	0	1	0 2022-11-27 23:04:35 UTC+0000	
0xffffae0d81fc6080 svcnost.exe 0xffffae0d81fe4080 RuntimeBroker.	9976 7540	920 100	2	0	1	0 2022-11-27 23:04:35 UTC+0000 0 2022-11-27 23:04:35 UTC+0000	
0xffffae0d824f6080 SearchApp.exe 0xffffae0d82876080 RuntimeBroker.	11772 12128	100 100	71 12	0	1	0 2022-11-27 23:04:36 UTC+0000 0 2022-11-27 23:04:36 UTC+0000	
0xffffae0d828d2080 NVIDIA Web Hel	12176	3096	90	0	1	1 2022-11-27 23:04:36 UTC+0000	
0xffffae0d81bcd0c0 conhost.exe 0xffffae0d81bdc080 svchost.exe	11816 12240	12176 920	2 5	0	1 0	0 2022-11-27 23:04:36 UTC+0000 0 2022-11-27 23:04:36 UTC+0000	
0xffffae0d81bf3080 backgroundTask	12516	100	0 -			0 2022-11-27 23:04:36 UTC+0000	2022-11-27 23:05:41 UTC+0000
0xffffae0d7cca70c0 ctfmon.exe 0xffffae0d7ccaa080 dllhost.exe	13092 12580	1716 100	12 5	0	1	0 2022-11-27 23:04:37 UTC+0000 0 2022-11-27 23:04:37 UTC+0000	
0xffffae0d7f757080 avpui.exe	13392	4244	19	0	1	1 2022-11-27 23:04:38 UTC+0000	
<pre>0xfffffae0d7f76f080 svchost.exe 0xfffffae0d7f944280 GraphicsCardEn</pre>	13508 13104	920 1420	4 0 -	0	1	0 2022-11-27 23:04:40 UTC+0000 1 2022-11-27 23:04:44 UTC+0000	2022-11-27 23:10:25 UTC+0000
0xffffae0d7f922080 TextInputHost.	5036	100	16	0		0 2022-11-27 23:04:44 UTC+0000	
<pre>0xfffffae0d7faf1080 RuntimeBroker. 0xfffffae0d81a0a240 RuntimeBroker.</pre>	14164 5940	100 100	2 2	0	1	0 2022-11-27 23:04:45 UTC+0000 0 2022-11-27 23:04:46 UTC+0000	

25) Copy pagefile.sys (from your VM) to SIFT and load it to volatility. Show the information stored in pagefile.sys?



Writing it to a text file to see what is inside pagefile.sys:

```
sansforensics@siftworkstation: ~/Downloads
$ strings -a -td pagefile.sys > pagefile.txt
```



