### Kelompok:

2501981270 - AGUSTINUS LEONARDO DWITAMA

2501989550 - MUHAMAD DWI APRIYANTO

2502001864 - RAVI DEEVAN SATYAKI

2501965052 - KEVIN MORRIS ARMANDO

2501983723 - NATANAEL FRANSISCO

# Shylock via Volatility

### **Image Analysis**

We have a Windows XP with ServicePack 2 on x86 environment.

### **Process Analysis**

ffset(V) Name 	PID	PPID	Thds	Hnds	Sess	Wow64	Start	Exit
						0		
«818efdaθ smss.exe	384			19		0	2011-09-26 01:33:32 UTC+0000	
<81616ab8 csrss.exe	612	384	12	473	Θ	0	2011-09-26 01:33:35 UTC+0000	
k814c9b40 winlogon.exe	636	384	16	498			2011-09-26 01:33:35 UTC+0000	
81794d08 services.exe	680	636	15	271		0	2011-09-26 01:33:35 UTC+0000	
814a2cd0 lsass.exe	692	636	24	356	Θ	0	2011-09-26 01:33:35 UTC+0000	
815c2630 vmacthlp.exe	852	680		25		0	2011-09-26 01:33:35 UTC+0000	
<81470020 svchost.exe	868	680	17	199			2011-09-26 01:33:35 UTC+0000	
818b5248 svchost.exe	944	680		274			2011-09-26 01:33:36 UTC+0000	
:813a0458 MsMpEng.exe	1040	680	16	322	Θ	0	2011-09-26 01:33:36 UTC+0000	
816b7020 svchost.exe	1076	680	87	1477	Θ		2011-09-26 01:33:36 UTC+0000	
B17f7548 svchost.exe	1200	680	6	81			2011-09-26 01:33:37 UTC+0000	
B169ald0 svchost.exe	1336	680	14	172	Θ	0	2011-09-26 01:33:37 UTC+0000	
813685e0 spoolsv.exe	1516	680	14	159			2011-09-26 01:33:39 UTC+0000	
818f5cd0 explorer.exe	1752	1696	32	680			2011-09-26 01:33:45 UTC+0000	
815c9638 svchost.exe	1812	680		102	Θ		2011-09-26 01:33:46 UTC+0000	
08192d7f0 VMwareTray.exe	1876	1752		84			2011-09-26 01:33:46 UTC+0000	
818f6458 VMwareUser.exe	1888	1752		245		0	2011-09-26 01:33:47 UTC+0000	
8164a020 msseces.exe	1900	1752	11	205			2011-09-26 01:33:47 UTC+0000	
k81717370 ctfmon.exe	1912	1752		93			2011-09-26 01:33:47 UTC+0000	
(813a5b28 svchost.exe	2000	680		119		0	2011-09-26 01:33:47 UTC+0000	
81336638 vmtoolsd.exe	200	680		234	Θ	0	2011-09-26 01:33:47 UTC+0000	
81329b28 VMUpgradeHelper	424	680		100	Θ		2011-09-26 01:33:48 UTC+0000	
k812d6020 wscntfy.exe	2028	1076		63			2011-09-26 01:33:55 UTC+0000	
812c1718 TPAutoConnSvc.e	2068	680		99			2011-09-26 01:33:55 UTC+0000	
812b03e0 alg.exe	2272	680		112		0	2011-09-26 01:33:55 UTC+0000	
81324020 TPAutoConnect.e	3372	2068		90			2011-09-26 01:33:59 UTC+0000	
k814e7b38 msiexec.exe	2396	680		127		0	2011-09-26 01:34:45 UTC+0000	
814db608 cmd.exe	3756	1752		56		0	2011-09-30 00:20:44 UTC+0000	
k812f59a8 cmd.exe	3128	200	0 -		Θ	0	2011-09-30 00:26:30 UTC+0000	2011-09-30 00:26:30 UTC+0000

# pslist

command pslist digunakan untuk melihat list list process yang ada pada system. pslist akan menampilkan offset, process name, process ID, the parent process ID, number of threads, number of handles, dan date/time kapan mulai dan berakhirnya suatu process.

```
D:\DEEVAN\SEMESTER 5\Computer Forensic\volatility_2.6_win64_standalone\volatility_2.6_w
in64_standalone>.\volatility_2.6_win64_standalone.exe connscan -f shylock.vmem
Volatility Foundation Volatility Framework 2.6
Offset(P) Local Address
                                     Remote Address
                                                                Pid
0x014f6ab0 10.0.0.109:1072
                                     209.190.4.84:443
                                                                1752
0x01507380 10.0.0.109:1073
                                     209.190.4.84:443
                                                                1752
0x016c2b00 10.0.0.109:1065
                                     184.173.252.227:443
                                                                1752
0x017028a0 10.0.0.109:1067
                                     184.173.252.227:443
                                                                1752
0x01858cb0 10.0.0.109:1068
                                     209.190.4.84:443
                                                                1752
```

#### Connscan

Connscan digunakan untuk melakukan scanning pada tag pool di memori, sehingga memungkinkan untuk menemukan jejak dari koneksi yang sebelumnya sudah berakhir maupun koneksi yang masih aktif. PID 1752 menunjukan bahwa masih aktif, jika PID 0 artinya kemungkinan sudah tidak aktif.

network activity dari PID 1752 (explorer.exe) dapat dikatakan cukup janggal karena seharusnya explorer.exe tidak membuat network traffic.

B / BEE!!!!			_				
		Volat:	ility F	nsic\volatilit ramework 2.6 Protocol	y_2.6_win64_stand	Create Time	win64_standalone>.\volatility_2.6_win64_standalone.exe sockets -f shylock.vmem
0x812b15d0			47	GRE	0.0.0.0	2011-09-26 01:33:56 UTG	JTC+0000
0x812a8008		1030		TCP	0.0.0.0	2011-09-26 01:33:56 UTG	JTC+0000
0x813a5728	692	500	17		0.0.0.0	2011-09-26 01:33:47 UTG	
0x812a9b60	2272	1028		TCP	127.0.0.1	2011-09-26 01:33:56 UTG	
0x814c4008	1752	1073		TCP	0.0.0.0	2011-09-30 00:25:39 UTG	
0x818a3bf8	4	445		TCP	0.0.0.0	2011-09-26 01:33:32 UTG	
0x8179e730	944	135		TCP	0.0.0.0	2011-09-26 01:33:36 UTG	
0x812ade38	1076	1076	17		127.0.0.1	2011-09-30 00:26:30 UTG	
0x813a4e98 0x816711c8	1752 1076	1070 123	17	TCP	0.0.0.0 127.0.0.1	2011-09-30 00:25:34 UTG 2011-09-30 00:26:30 UTG	
0x816711C8	692	123		Reserved	0.0.0.0	2011-09-30 00:26:30 UTC	
0x815bb708	1752	1067		TCP	0.0.0.0	2011-09-20 01:33:47 UTG	
0x812bb008	1336	1900	17		127.0.0.1	2011-09-30 00:26:30 UTG	
0×81904478	692	4500		UDP	0.0.0.0	2011-09-26 01:33:47 UTG	
0x814c9008	4	445	17		0.0.0.0	2011-09-26 01:33:32 UTG	
					Hartiscon Hotal Portion		
0 014	1000		750	1072	( TIOD	0.00	2011 00 20 00 25 20 LITEG : 0000
0x814c	4008	1	752	1073	6 TCP	0.0.0.	0.0 2011-09-30 00:25:39 UTC+0000
0x813a	1208	1	752	1070	6 TCP	0.00	2011-09-30 00:25:34 UTC+0000
UNUIJa	<b>TU90</b>	1	134	10/0	o i Ci	0.0.0.	2011-07-30 00.23.34 0 1C 10000
0 01.51	1 700	- 1	750	107	C $T$ $C$ $D$	0.00	0.011 00 20 00 25 22 LITC+0000
0x815b	0D/U8	- 1	752	1067	6 TCP	0.0.0.	0.0 2011-09-30 00:25:33 UTC+0000

#### Sockets

sockets digunakan untuk mendeteksi socket-socket yang sedang listening untuk berbagai protocol. Socket yang dimaksud adalah Network Sockets yang digunakan untuk komunikasi antar proses yang berjalan di mesin yang berbeda melalui jaringan.

Pada gambar di atas menunjukkan bahwa PID 1752 yaitu explorer.exe sudah memiliki socket pada berbagai port yang artinya memiliki koneksi dengan server luar.

```
| Note |
```

0x4d4f0000	0x59000	0xd C:\WINDOWS\system32\WINHTTP.dll
0x76f20000	0x27000	0x3 C:\WINDOWS\system32\DNSAPI.dll
0x75e60000	0x13000	0xb C:\WINDOWS\system32\cryptnet.dll
0x662b0000	0x58000	0x2 C:\WINDOWS\system32\hnetcfg.dll
0x71a90000	0x8000	0x1 C:\WINDOWS\System32\wshtcpip.dll

## dlllist

dlllist digunakan untuk menampilkan dll (Dynamic Link Library).

untuk menampilkan dll pada proses tertentu dapat menggunakan filter -p atau -pid seperti yg ditunjukan pada gambar di atas.

Beberapa dll yang mencurigakan dan seharusnya tidak digunakan oleh explorer.exe yaitu WINHTTP.dll dan cryptnet.dll karena dll tersebut merupakan networking modules.

```
Process: explorer.exe Pid: 1752 Address: 0x36e0000
Vad Tag: VadS Protection: PAGE_EXECUTE_READWRITE
Flags: CommitCharge: 151, MemCommit: 1, PrivateMemory: 1, Protection: 6
0x036e0000 4d 5a 90 00 03 00 00 00 04 00 00 00 ff ff 00 00
0x036e0000 4d
                                                  POP EDX
0x036e0001 5a
0x036e0002 90
                                                 NOP
                                                ADD [EBX], AL
ADD [EAX], AL
ADD [EAX+EAX], AL
ADD [EAX], AL
0x036e0003 0003
0x036e0005 0000
0x036e0007 000400
0x036e000a 0000
0x036e000c ff
                                               DB 0xff
INC DWORD [EAX]
ADD [EAX+0x0], BH
ADD [EAX], AL
ADD EAX, [EAX]
ADD EAX, [EAX]
                                                 DB 0xff
0x036e000d ff00
0x036e000f 00b800000000
0x036e0015 0000
0x036e0017 004000
0x036e001a 0000
0x036e001c 0000
0x036e001e 0000
0x036e0020 0000
0x036e0022 0000
0x036e0024 0000
0x036e0026 0000
0x036e0028 0000
0x036e002a 56
                                                PUSH ESI
ADD EAX, [EAX]
AND [ECX], CL
ADD [EAX], AL
ADD [EAX], EAX
ADD [EAX], AL
ADD [EAX], EAX
ADD [EAX], EAX
ADD [EAX], EAX
ADD [EAX], EAX
0x036e002b 0300
0x036e002d 2009
0x036e002f 0000
0x036e0031 0000
0x036e0033 0000
0x036e0035 0000
0x036e0037 0000
0x036e0039 0000
0x036e003b 0000
0x036e003d 0100
0x036e003f 00
```

#### malfind

malfind berfungsi untuk menemukan code atau dll yang tersembunyi atau yang sudah dimasukkan ke dalam memori.

hasilnya menunjukkan terdapat MZ header.

```
      ✓ Today

      ☐ process.0x818f5cd0.0x36e0000.dmp
      12/2/2023 6:40 PM
      DMP File
      604 KB

      ☐ process.0x818f5cd0.0x3380000.dmp
      12/2/2023 6:40 PM
      DMP File
      604 KB
```

### memdump

memdump berfungsi untuk dump memori yang diinginkan.

```
1754 3=R
1755 48Vv
1756 ?"M
1757 w[(a
1758 NOTRUE
1759 Bad size of the file of a inject.
1760 Bad signature of the file of a inject.
1761 Bad control sum of the file of a inject.
1762 Cannot allocate memory. (NEW)
1763 Cannot inflate the file of a inject. (zlib_inflate_gzip::error=%d)
1764 1.2.3
1765 CreateFile %s
1766 new:: ASSERTE(0) %s
1767 ReadFile %s
1768 Cannot find pair last tag '>' %s
1769 Cannot find the end tag '>' %s
1770 Schema:
1771 invalid vector<T> subscript
1772 deque<T> too long
1774 File::IsFileExist( pFullFileName )=%s (%s)
```

```
1856 sl,E
1857 HeapDestroyPtr = NULL
1858 ***isInject=%s
1859 FALSE
1861 EX_Hook::CreateProcessA ApplicationName=%s
1862 EX_Hook::CreateProcessA CommandLine=%s
1863 EX_Hook::CreateProcessA lCurrentDirectory=%s
1864 EX_Hook::CreateProcessA Module:%s
1866 \sqrt{N}
1867 EX_Hook::CreateProcessW ApplicationName=%ws
1868 EX_Hook::CreateProcessW CommandLine=%ws
1869 EX_Hook::CreateProcessW lCurrentDirectory=%ws
1870 EX Hook::CreateProcessW Module:%s
1872 %SystemRoot%\System32\
1873 ***ERROR::CSplicing::Hook not found bytes 0×55 0×90 0×E9
1874 InjectDllFromMemory
```

```
1919 FF_READ4 exit

1920 FF:: PR_ReadHook entry

1921 FF:: ReqIsRequest FOUND fd=%08X m_isBotInfo=%d m_isInject=%d m_isContentTextXml=%d

1922 FF:: ReqIsRequest IS NATIVE = FALSE

1923 FF:: ReqIsRequest IS NATIVE = TRUE

1924 FF:: ReqIsRequest = FALSE

1925 FF:: PR_Read (native) fd=%08X amount=%d read=%d

1926 DATA—
```

```
2003 NSPR4.DLL not found Inst.strNSPR4=%s
2004 |$$$\rstuvwxyz{\$$$$$$>?@ABCDEFGHIJKLMNOPQRSTUVW\$$$\$XYZ[\]^_abcdefghijklmnopq
2005 IE_Hook::GetReplayInfo entry
2006 DIE_Hook::GetReplayInfo exit
2007 IE::Config=%s
2008 EMPTY
2009 IE::ReqFindRequest FOUND hOpenRequest=%08X m_hRequestFake=%d m_isBotInfo=%d m_isInject=%d m_isContentTextXml=%d
2010 IE::InternetReadfile (NATIVE) hOpenRequest=%08X size=%d
2011 IE::InternetReadfile (NATIVE) hOpenRequest=%08X size=%d domain=%s request=%s%s
2012 IE::InternetReadfileExA (NATIVE) hOpenRequest=%08X
2013 IE::InternetReadfileExA (NATIVE) hOpenRequest=%08X
2014 IE::InternetReadfileExA (NATIVE) hOpenRequest=%08X
2015 IE::InternetReadfileExW (NATIVE) hOpenRequest=%08X
2016 IE::InternetReadfileExW (NATIVE) hOpenRequest=%08X
2017 IE::InternetReadfileExW (NATIVE) hOpenRequest=%08X domain=%s request=%s%s
2016 IE::InternetReadfileExW (NATIVE) hOpenRequest=%08X domain=%s request=%s%s
2017 IE::InternetReadfileIOpenRequest=%08X timeout=%d
2018 ****ERROR::InternetQueryDataAvailable() GetLastError()=%d hOpenRequest=%08X dwSize=%d timeout=%d
2019 domain=%s request=%s%s
```

Screenshot di atas dari hasil analisa String memory dump yang menunjukkan adanya inject dan juga hooking ke suatu server

```
VAD node @ 0x81805108 Start 0x032c0000 End 0x032fffff Tag VadS
Flags: CommitCharge: 15, PrivateMemory: 1, Protection: 4
Protection: PAGE_READWRITE

VAD node @ 0x81623e58 Start 0x03380000 End 0x03416fff Tag VadS
Flags: CommitCharge: 151, MemCommit: 1, PrivateMemory: 1, Protection: 6
Protection: PAGE_EXECUTE_READWRITE

VAD node @ 0x817ad558 Start 0x03880000 End 0x038bffff Tag VadS
Flags: CommitCharge: 15, PrivateMemory: 1, Protection: 4
Protection: PAGE_READWRITE

VAD node @ 0x8150c728 Start 0x036e0000 End 0x03776fff Tag VadS
Flags: CommitCharge: 151, MemCommit: 1, PrivateMemory: 1, Protection: 6
Protection: PAGE_EXECUTE_READWRITE

VAD node @ 0x81780420 Start 0x03560000 End 0x035f1fff Tag VadS
Flags: CommitCharge: 146, MemCommit: 1, PrivateMemory: 1, Protection: 4
Protection: PAGE_READWRITE
```

Terdapat dua memory protection yang PAGE\_EXECUTE\_READWRITE yang mengindikasikan merupakan hosts dari malicious codenya

```
C:\Windows\System32\cmd.e
   C:\Users\natan\Downloads\Compressed\volatility_2.6_win64_standalone>volatility_2.6_win64_standalone.exe -f shylock.vmem -p 1752 apihooks
   Volatility Foundation Volatility Framework 2.6
   Hook mode: Usermode
   Hook type: Import Address Table (IAT)
Process: 1752 (explorer.exe)
Victim module: Explorer.EXE (0x1000000 - 0x10ff000)
Function: kernel32.dll[CreateProcessW
   Hook address: 0x339e325
Hooking module: <unknown>
   Disassembly(0):
   0x339e325 55
0x339e326 8bec
0x339e328 8b451c
                                                        PUSH EBP
                                                        MOV EBP, ESP
MOV EAX, [EBP+0x1c]
   0x339e32b 56
0x339e32c 8b752c
                                                        PUSH ESI
MOV ESI, [EBP+0x2c]
                                             HOV ES1, [EBP+0x2c]
PUSH EDI
PUSH ESI
PUSH DWORD [EBP+0x28]
OR EAX. 07/1
  0x339e32C 80732C

0x339e33E 57

0x339e33B 56

0x339e33I ff7528

0x339e334 83c804

0x339e337 ff7524

0x339e33a ff7520
                                                        OR EAX, 0x4
PUSH DWORD [EBP+0x24]
PUSH DWORD [EBP+0x20]
   **********************
  HOOK MODE: Usermode
Hook type: Import Address Table (IAT)
Process: 1752 (explorer.exe)
Victim module: Explorer.EXE (0x1000000 - 0x10ff000)
Function: kernel32.dll!HeapDestroy
Hook address: 0x339e231
Hooking module: <unknown>
    Hook mode: Usermode
Hooking mo-
Disassembly(0):

0x339e231 55

0x339e232 8bec

0x339e233 e8ffa9feff

0x339e235 e8ffa9feff

0x339e236 e7f508

0x339e23d ff1548ff4003

0x339e24d 550

0x339e24d 59

0x339e24d 59
    *************************************
   Hook mode: Usermode
Hook type: Import Address Table (IAT)
Process: 1752 (explorer.exe)
Victim module: Explorer.EXE (0x1000000 - 0x10ff000)
Function: user32.dllExitWindowsEx
   Hook address: 0x33adb80
Hooking module: <unknown>
   Disassembly(θ):

        0x33adb80
        55
        PUSH EBP

        0x33adb81
        8bec
        MOV EBP,

        0x33adb83
        51
        PUSH ECX

                                                        MOV EBP, ESP
PUSH ECX
   0x33adb84 56
                                                         PUSH EST
```

### apihooks

apihooks merupakan volatility plugin yang digunakan untuk mendeteksi API hooks pada process dan kernel memory.

terlihat bahwa explorer.exe menggunakan kernel32.dll dan function seperti CreateProcess, HeapDestroy, ExitWindows, dan masih banyak lainnya yang seharusnya untuk explorer.exe tidak menggunakan function tersebut yang artinya bahwa benar explorer.exe adalah malwarenya.

```
C:\Users\natan\Downloads\Compressed\volatility_2.6_win64_standalone>volatility_2.6_win64_standalone.exe -f shylock.vmem --pid 1752 dlldump -D ./
Volatility Foundation Volatility Framework 2.6
Process(V) Name Module Base Module Name Result
0x818f5cd0 explorer.exe
                                                                                                                    0x001000000 Explorer.EXE
                                                                                                                                                                                                                                            OK: module.1752.1af5cd0.1000000.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x07c990000 ntdll.dll
0x07c340000 MSVCR71.dll
0x07s130000 urlmon.dll
0x077f60000 SHLWAPI.dll
                                                                                                                                                                                                                                            OK: module.1752.laf5cd0.7c900000.dll
OK: module.1752.laf5cd0.7c340000.dll
OK: module.1752.laf5cd0.7c340000.dll
                                                                                                                                                                                                                                          OK: module.1752.1af5cd0.78130000.dll
OK: module.1752.1af5cd0.77f60000.dll
OK: module.1752.1af5cd0.37f60000.dll
OK: module.1752.1af5cd0.37f60000.dll
OK: module.1752.1af5cd0.77f60000.dll
OK: module.1752.1af5cd0.77f60000.dll
OK: module.1752.1af5cd0.77f60000.dll
OK: module.1752.1af5cd0.77c00000.dll
OK: module.1752.1af5cd0.71af5000.dll
OK: module.1752.1af5cd0.71af5000.dll
OK: module.1752.1af5cd0.71af50000.dll
OK: module.1752.1af5cd0.76e00000.dll
OK: module.1752.1af5cd0.76e00000.dll
OK: module.1752.1af5cd0.76e00000.dll
OK: module.1752.1af5cd0.76e00000.dll
OK: module.1752.1af5cd0.76e00000.dll
0x818f5cd0 explorer.exe
                                                                                                                   0x03dfd0000 iertutil.dll
0x0767a0000 NTDSAPI.dll
0x077fe0000 Secur32.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x07755f0000 netcfgx.dll
0x077c00000 VERSION.dll
0x05f800000 MpOAv.dll
                                                                                                                   0x071a50000 mswsock.dll
0x071c80000 NETRAP.dll
0x07e290000 SHDOCVW.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x076eb0000 TAPI32.dll
0x074ad0000 POWRPROF.dll
0x075290000 wbemcomn.dll
0x077920000 SETUPAPI.dll
0x818f5cd0 explorer.exe
                                                                                                                                                                                                                                            OK: module.1752.1af5cd0.74ad0000.dll
OK: module.1752.1af5cd0.75290000.dll
OK: module.1752.1af5cd0.77920000.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                                                                                                                                           OK: module.1752.1af5cd8.77928080.dll
OK: module.1752.1af5cd8.71598080.dll
OK: module.1752.1af5cd8.71520090.dll
OK: module.1752.1af5cd8.77610000.dll
OK: module.1752.1af5cd8.77610000.dll
OK: module.1752.1af5cd8.755c0000.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                    0x071c90000 NETUI1.dll
0x071b20000 MPR.dll
0x076390000 IMM32.DLL
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x077c10000 msvcrt.dll
0x0755c0000 msctfime.ime
0x0767f0000 schannel.dll
                                                                                                                                                                                                                                          OK: module.1752.laf5cd0.767f0000.dll
OK: module.1752.laf5cd0.767410000.dll
OK: module.1752.laf5cd0.1210000.dll
OK: module.1752.laf5cd0.77a20000.dll
OK: module.1752.laf5cd0.77a20000.dll
OK: module.1752.laf5cd0.73300000.dll
OK: module.1752.laf5cd0.73380000.dll
OK: module.1752.laf5cd0.73380000.dll
OK: module.1752.laf5cd0.73380000.dll
OK: module.1752.laf5cd0.7320000.dll
OK: module.1752.laf5cd0.7620000.dll
OK: module.1752.laf5cd0.7620000.dll
OK: module.1752.laf5cd0.76360000.dll
OK: module.1752.laf5cd0.76360000.dll
OK: module.1752.laf5cd0.75480000.dll
OK: module.1752.laf5cd0.95410000.dll
OK: module.1752.laf5cd0.95410000.dll
OK: module.1752.laf5cd0.95410000.dll
OK: module.1752.laf5cd0.95410000.dll
OK: module.1752.laf5cd0.95410000.dll
OK: module.1752.laf5cd0.724200000.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                    0x07e410000 USER32.dll
                                                                                                                   0x07e410000 USER32.dll
0x001210000 xpsp2res.dll
0x077a20000 cscui.dll
0x073030000 WZCSAPI.DLL
0x076e80000 rtutils.dll
0x073380000 zipfldr.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x05dcd00000 eappprxy.dll
0x001720000 vmhgfs.dll
0x076b20000 ATL.DLL
0x076360000 WINSTA.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x075580000 WINSTAUGE
0x075f80000 BROWSEUI.dll
0x05df10000 wzcdlg.dll
0x010000000 DropboxExt.13.dll
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
0x818f5cd0 explorer.exe
                                                                                                                   0x012000000 DropboxExt.1
0x0722b0000 sensapi.dll
0x07c3a0000 MSVCP71.dll
0x07c3a0000 MSVCP70.dll
0x07c90000 MSVCP60.dll
0x077690000 NTMARTA.DLL
0x07690000 NTMARTA.DLL
0x0662b0000 OneX.DLL
0x0478c0000 dot3api.dll
0x0478c0000 wbemsvc.dll
                                                                                                                                                                                                                                           OK: module.1752.1af5cd0.120000000.dll
OK: module.1752.1af5cd0.72200000.dll
OK: module.1752.1af5cd0.7c3a0000.dll
OK: module.1752.1af5cd0.59a60000.dll
OK: module.1752.1af5cd0.59a60000.dll
OK: module.1752.1af5cd0.76080000.dll
OK: module.1752.1af5cd0.76080000.dll
OK: module.1752.1af5cd0.5dca0000.dll
OK: module.1752.1af5cd0.6200000.dll
0x818f5cd0 explorer.exe
                                                                                                                                                                                                                                                         module.1752.1af5cd0.478c0000.dll
module.1752.1af5cd0.74ed0000.dll
                                                                                                                                                                                                                                             OK:
```