Practical Malware Analysis Lab 3-1

Questions

- 1. What are this malware's imports and strings?
- 2. What are the malware's host based indicators?
- 3. Are there any useful network-based signatures for this malware If so, what are they?

Question 1

When putting the exe Lab03-01.exe into Dependencies it only showed one import kernel32.dll and the function ExitProcess. The strings gave us more information about what this malware does

Results from using the program binText

StubPath

SOFTWARE\Classes\http\shell\open\commandV

Software\Microsoft\Active Setup\Installed Components\

test

www.practicalmalwareanalysis.com

Admin

?503

200

advpack

CONNECT %s:%i HTTP/1.0

VideoDriver

WinVMX32-

Vmx32to64.exe

SOFTWARE\Classes\http\shell\open\commandV

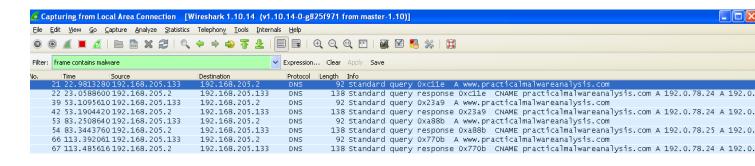
Software\Microsoft\Active Setup\Installed Components\

SOFTWARE\Microsoft\Windows\CurrentVersion\Run

Dynamic Analysis

Wireshark Results

There is a DNS request to the website www.practicalmalwareanalysis.com



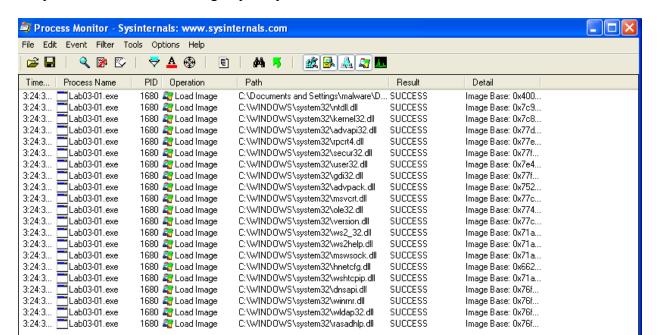
Regshot Results

The malware creates the file C:\WINDOWS\system32\vmx32to64.exe.

```
### 68 From Versity | 1.0 - 38 A465 | 1.0 - 38
```

Process Monitor Results

By filtering Process Monitor to the operation "Load Image" we can see what dlls the malware imports. It also creates the registry entry of VideoDriver.



3:24:3 Lab03-01.exe 3:24:3 Lab03-01.exe	1680 ∰RegSetValue 1680 ∰RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion	Type: REG_BINA n\Run\VideoDriver_SZ, Le
3:24:3 Tab03-01.exe	1680 🌋 RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS	Type: REG_BINA
3:24:3 Tab03-01.exe	1680 🌋 RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS	Type: REG_BINA
3:24:3 Tab03-01.exe	1680 🌋 RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS	Type: REG_BINA
3:24:3 Tab03-01.exe	1680 🌋 RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS	Type: REG_BINA
3:24:3 Tab03-01.exe	1680 🌋 RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS	Type: REG_BINA
3:24:3 Tab03-01.exe	1680 🌋 RegSetValue	HKLM\SOFTWARE\Microsoft\Cryptogr SUCCESS	Type: REG_BINA
2:2:1:3 ₹1 sh02.01 ava	1690 🌃 RagaWalua	HKLM\SOFTWARE\Microsoft\Cruptoar SHCCESS	Tube: REG. RINA
Oryptogr SUCCESS Oryptogr SUCCESS Oryptogr SUCCESS	Type: RECDIMA Type: RE Type: REG_ Length: 510 Type: RE Data: C:\WII	SZ NDOWS\system32\vmx32to64.exe	

Question 1

When putting the exe Lab03-01.exe into Dependencies it only showed one import kernel32.dll and the function ExitProcess, but by running the malware and using procmon we can see it imports various dlls.

Question 2

Some host based indicators include the exe C:\Windows\system32\Vmx32to64.exe , and the registry entry of VideoDriver.

Question 3

Traffic to the website www.practicalmalwareanalysis.com