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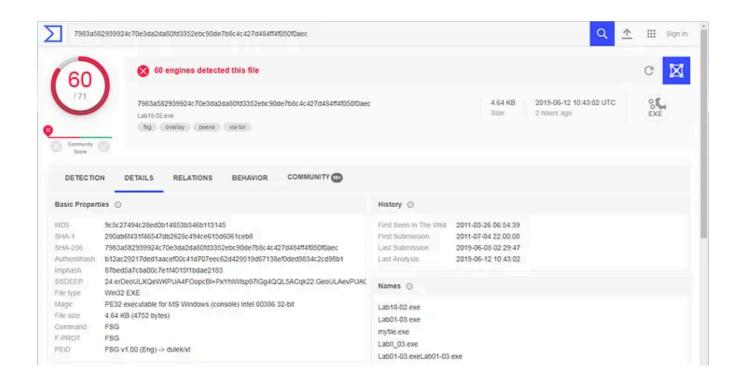


Practical Malware Analysis — Chapter 1 — Lab 1-3 — Solution

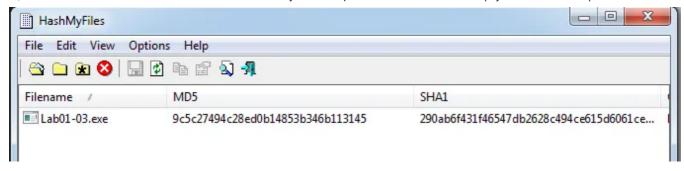


By now we have successfully done analyzing two executable's by using basic static analysis techniques. Now we have to analyze the third executable. Technique is the same. All we are doing is to polish our learning skills that we have learnt so far.

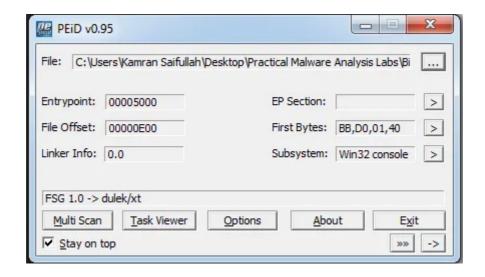
Let's analyze it via VirusTotal.



The file is malicious. Let's create the fingerprint on our system.



The hashes are same. Now, we need to check whether this file is packed or not!



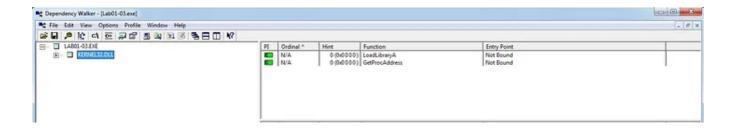
The executable is packed using FSG 1.0, lets try to run strings on the executable and check if we are able to find any clue about this executable.

```
λ strings Lab01-03.exe
Strings v2.53 - Search for ANSI and Unicode strings in binary images
Copyright (C) 1999-2016 Mark Russinovich
Sysinternals - www.sysinternals.com
!Windows Program
$PE
b!@
`.rdata
@.data
$5!
;0t
(Q@
KERNEL32.dll
LoadLibraryA
GetProcAddress
H @
Ph8
0[X
":L1
3Bt>0
VQ(8
2]<,M
:R,
P@M^
S>VW
AQ=h
"Z,
5pg
^J%
I*G9>
{*T
p@1
e%nN
k0c
H @
ole32.vd
Init
FoCr
U!!C
}OLEAUTLA
IMSVCRTT"b
_getmas
yrcs
P2r3Us
p | vuy
fmod
xF*1
9<sub>m</sub>V
dj
```

We can see the function 'LoadLibraryA, GetProcAddress" this proves that this file is packed. We also found the KERNEL32.DLL also MSVCRT.DLL as well!

```
λ strings Lab01-03.exe | grep MSV
IMSVCRTT"b
```

We don't have any clue about the functions being imported. Let's run the dependency walker to have a clue.



So we only have this information. Obviously this is not enough!

NOTE: Leaving this Lab here as we will have to manually unpack this executable. We will work on this when we will learn about unpacking the executable at the end of the book.

Programming





Written by Kamran Saifullah

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88888
                                                                     By @D4rk36
ubuntu login: _
```



Kamran Saifullah

SickOS 1.2 WalkThrough

Hi.

5 min read · Apr 14, 2018





```
DISCLAIMER!
We at Kioptrix are not responsible for any damaged directly, or indirectly,
caused by using this system. We suggest you do not connect this installation
to the Internet. It is, after all, a vulnerable setup.
Please keep this in mind when playing the game.
This machine is setup to use DHCP.
Before playing the game, please modify your attacker's hosts file.
<ip>
        kioptrix3.com
This challenge contains a Web Application.
If you have any questions, please direct them to:
comms[at]kioptrix.com
Hope you enjoy this challenge.
-Kioptrix Team
Ubuntu 8.04.3 LTS Kioptrix3 tty1
Kioptrix3 login: _
```



WalkThrough! Kioptrix — 3 By VulnHub

Hi,

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52

Written by: Jeremy Hui

Keith is watching chickens cross a road in his grandfather's farm. He once heard from his grandfather that there was something significant about this behavior, but he can't figure out why. Help Keith discover what the chickens are doing from this seemingly simple behavior.





Kamran Saifullah

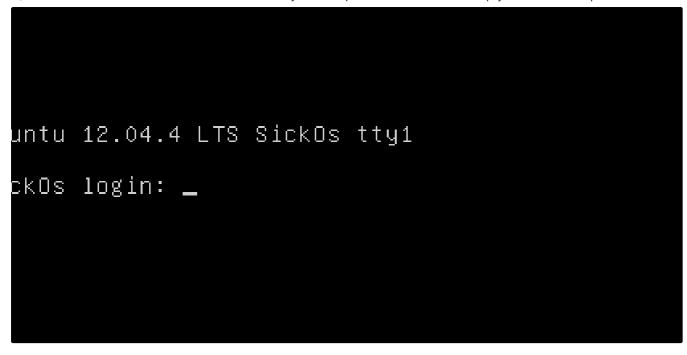
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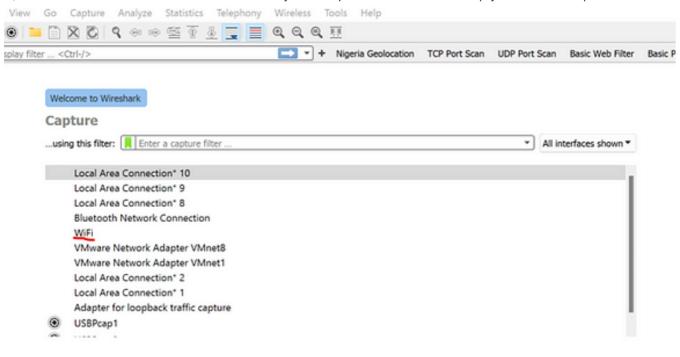
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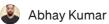
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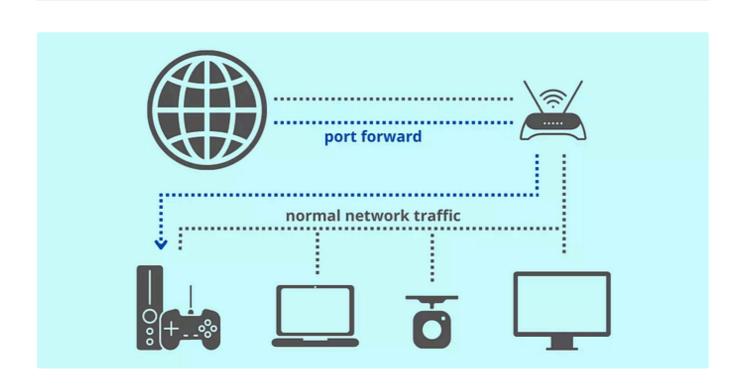
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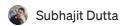
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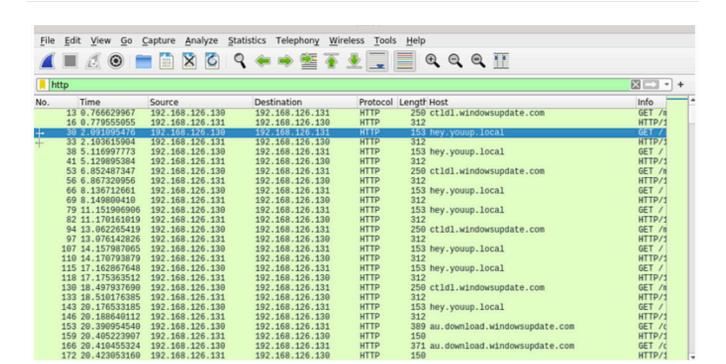


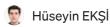
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