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MAL: Malware Introductory TryHackMe Walkthrough



TL;DR Walkthrough of the <u>TryHackMe MAL: Malware Introductory room</u>, part of the Cyber Defense Pathway.

THM Walkthroughs:

A full list of our TryHackMe walkthroughs and cheatsheets is here.

Background

X

I saw a couple other writeups on Google, but most of them only had the questions & answers without explaining how to find the information. Hence I decided I'd bother writing up what we did.

The first few tasks just involve some reading and or Googling. The last few tasks are hands on. If I skip a Task here it's because all you have to do is hit a button, there's no answer needed.

On an admin note, I have been having issues with TryHackMe's US VPN servers lately. OpenVPN would connect, then immediately show an error code. TryHackMe's website would show me as connected but I couldn't even ping THM's VM. As a result I have been using their EU servers. One can do this simply by downloading the *.ovpn files from here. I downloaded the ones for my account into a folder on Kali and simply saved them with filenames denoting the geographical location.

So without further ado let's get into it.

— — Task 2 — -

What is the famous example of a targeted attack-esque Malware that targeted Iran?

Stuxnet

What is the name of the Ransomware that used the Eternalblue exploit in a "Mass Campaign" attack?

Wannacry

— — Task 3 — -

Name the first essential step of a Malware Attack?

Delivery

Now name the second essential step of a Malware Attack?

Execution

What type of signature is used to classify remnants of infection on a host?

Host-Based Signatures

What is the name of the other classification of signature used after a Malware attack?

Network-Based Signatures

— — Task 7 — -

As always start by connecting with xfreerdp.

xfreerdp /v:10.10.244.56 /u:analysis /p:Tryhackme123! /dynamic-resolution

```
Set-Location 'C:\users\Analysis\Desktop\Tasks\Task 7'
Get-ChildItem
Get-FileHash .\* -Algorithm MD5
```

The MD5 Checksum of aws.exe

D2778164EF643BA8F44CC202EC7EF157

The MD5 Checksum of Netlogo.exe

59CB421172A89E1E16C11A428326952C

The MD5 Checksum of vlc.exe

5416BE1B8B04B1681CB39CF0E2CAAD9F

Task 8 is all 'Nay'. Just copy/paste the hashes into VirusTotal.

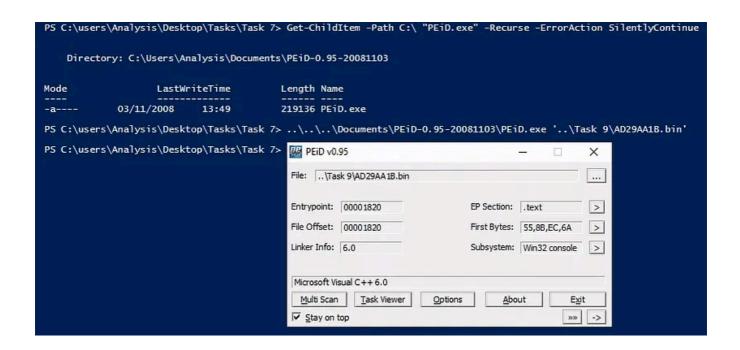
- Task 9 - -

What does PeID propose 1DE9176AD682FF.dll being packed with?

What does PeID propose AD29AA1B.bin being packed with?

I had to search for PeID as THM didn't mention where it was saved.

Get-ChildItem -Path C:\ "PEiD.exe" -Recurse -ErrorAction SilentlyContinue
..\..\Documents\PEiD-0.95-20081103\PEiD.exe '..\Task 9\AD29AA1B.bin'



We got Microsoft Visual C++ 6.0 DLL for both.

— — Task 10 — -

What packer does PeID report file "6F431F46547DB2628" to be packed with?

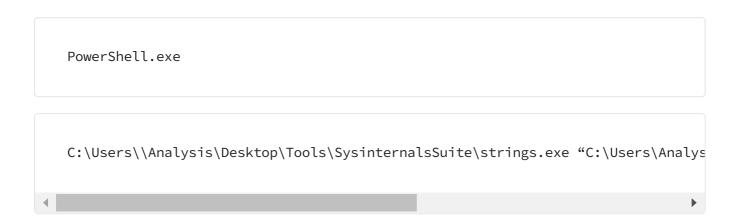
```
..\..\Documents\PEiD-0.95-20081103\PEiD.exe '..\Task 10\6F431F46547DB2628'
```

FSG 1.0 -> dulek/xt

— — Task 12 — -

What is the URL that is outputted after using "strings"

Strings.exe refused to run properly in PowreShell_ISE, so I had to use PowerShell.exe for this question. I was not amused. I have gotten quite used to command completion, suggestions for command options that I can just Tab to complete, any syntax errors of mine getting underlined in red, etc etc.

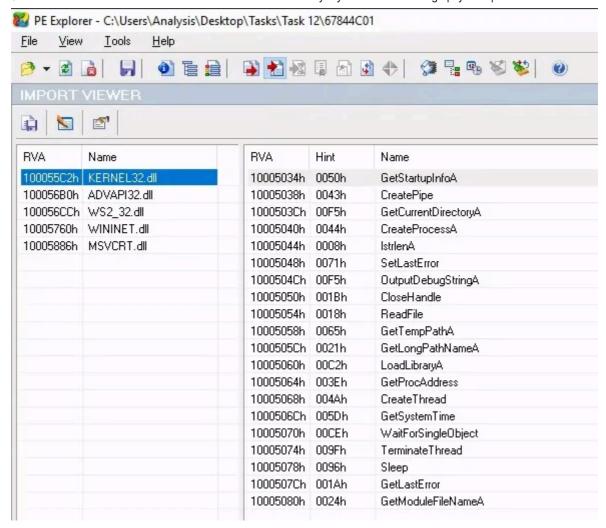


practicalmalwareanalysis.com

How many unique "Imports" are there?

Have to use the GUI PE Explorer to open the file -> View -> Imports

5

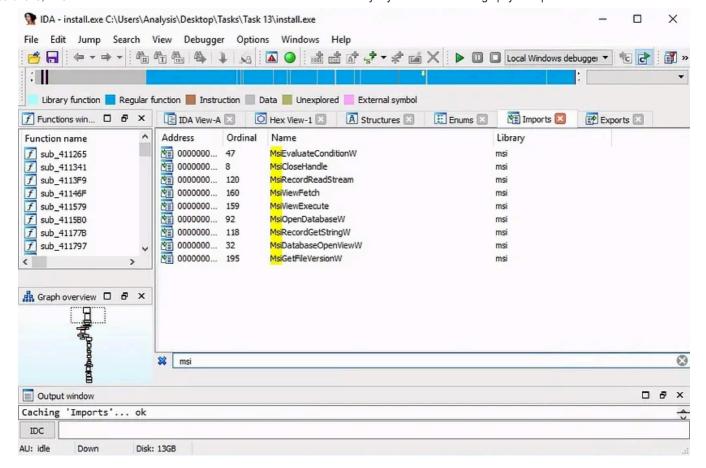


-- Task 13 --

How many references are there to the library "msi" in the "Imports" tab of IDA Freeware for "install.exe"

Open in IDA -> Imports tab -> Ctrl + F "msi"

9



-- Task 14 --

What is the MD5 Checksum of the file?

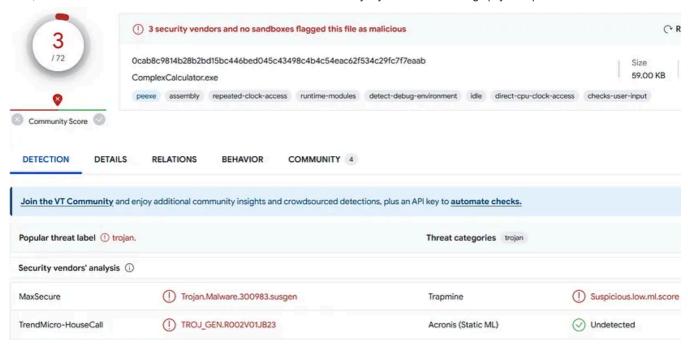
```
Set-Location 'C:\Users\Analysis\Desktop\Tasks\Task 14'

Get-FileHash .\ComplexCalculator.exe -Algorithm MD5
```

F5BD8E6DC6782ED4DFA62B8215BDC429

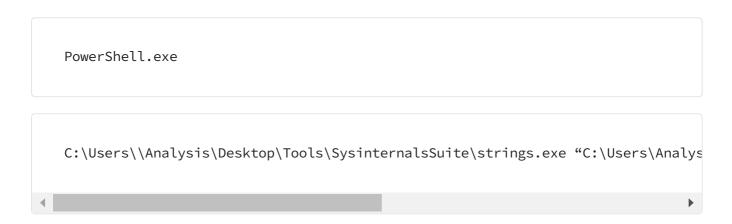
Does Virustotal report this file as malicious? (Yay/Nay)

Yay



Output the strings using Sysinternals "strings" tool.

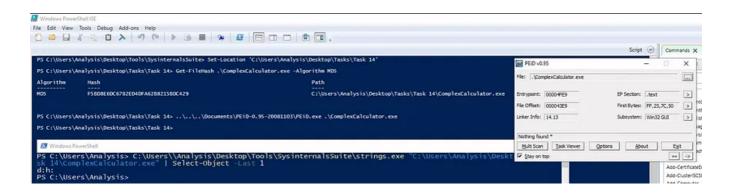
What is the last string outputted?



d:h:

What is the output of PeID when trying to detect what packer is used by the file?

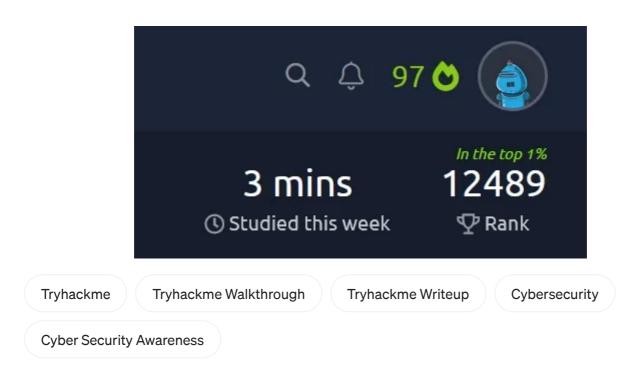
Nothing found



Summary

This was a good little room. I should really get back to writing my boring paper for college now, I needed to take a break and do something in the CLI. TryHackMe is always good for that. I also need to finish this pathway eventually as I am going to use it as the last CPEs I need to renew some certifications.

On a happy note, I just got back into the TryHackMe Top 1% following the change in how they calculate this.







Written by Rich

285 Followers · 10 Following

I work various IT jobs & like Windows domain security as a hobby. Most of what's here is my notes from auditing or the lab.

No responses yet



What are your thoughts?

Respond

More from Rich





Python Basics TryHackMe Walkthrough

TL;DR Walkthrough of the Python Basics room, part of the Pentest+ Pathway.

Jan 22, 2024 🔌 24



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Dec 17, 2024









Tempest TryHackMe Walkthrough

TL;DR walkthrough of the TryHackMe Tempest room.

Jun 14, 2024 👋 52 🗨 1



•••

them to hack us!

IVIIIIIIKalZ





Mimikatz Cheatsheet

TL;DR Mimikatz cheatsheet of things I have found useful in CRTP and the lab.

Aug 26, 2022 🔌 21

See all from Rich

Recommended from Medium

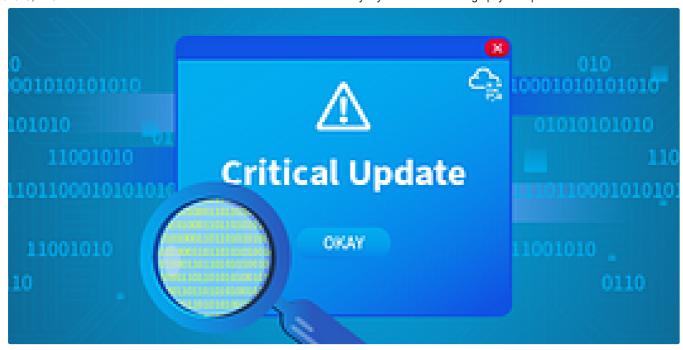




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♦ Nov 28, 2024 **>>>** 50

```
vmlinuz.old
rd.img.old
            lib64
                        media
            lost+found
                                                            vmlinuz
                               proc
                                      run
                                            snap
var/log
log# ls
cloud-init-output.log
                                         kern.log
                                                    lxd
                                                              unattended-upgrades
                        dpkg.log
 cloud-init.log
                        fontconfig.log
                                         landscape
                                                    syslog
                                                              wtmp
                        journal
dist-upgrade
                                         lastlog
                                                    tallylog
log# cat auth.log | grep install
8-55 sudo:
             cybert : TTY=pts/θ ;
                                  PWD=/home/cybert ; USER=root ; COMMAND=/usr/bin/
8-55 sudo:
             cybert : TTY=pts/0 ; PWD=/home/cybert ; USER=root ; COMMAND=/usr/bin/
8-55 sudo:
             cybert : TTY=pts/0 ; PWD=/home/cybert ; USER=root ; COMMAND=/bin/chow
hare/dokuwiki/bin /usr/share/dokuwiki/doku.php /usr/share/dokuwiki/feed.php /usr/s
hare/dokuwiki/install.php /usr/share/dokuwiki/lib /usr/share/dokuwiki/vendor -R
log#
```

Dan Molina

Disgruntled CTF Walkthrough

This is a great CTF on TryHackMe that can be accessed through this link here: https://tryhackme.com/room/disgruntled

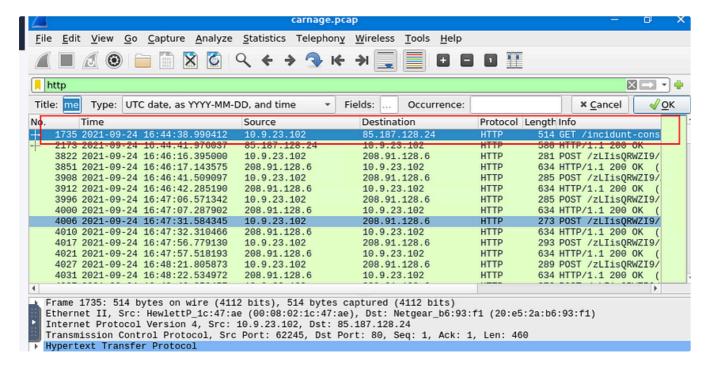




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Dec 17, 2024 •••





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