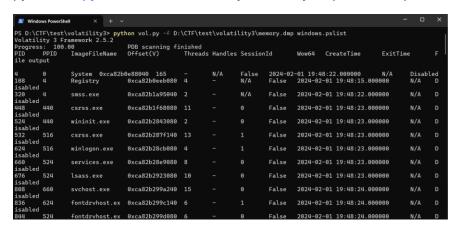
# Ramnit Blue Team Lab

Category: Endpoint Forensics

Volatility Memory

ac c159-Ramnit.zip	2/3/2024 7:07 PM	Compressed (zipp	1,830,871
memory.dmp	2/1/2024 11:56 AM	DMP File	4,194,312

python vol.py -f D:\CTF\test\volatility3\memory.dmp windows.pslist



I didn't see anything interesting

So let's see command line information

python vol.py -f D:\CTF\test\volatility3\memory.dmp windows.cmdline

This one is interesting So now we can answer the following questions

Q1:We need to identify the process responsible for this suspicious behavior. What is the name of the suspicious process?

**Answer:** ChromeSetup.exe

Q2:To eradicate the malware, what is the exact file path of the process executable?

**Answer:** C:\Users\alex\Downloads\ChromeSetup.exe

Q3 Identifying network connections is crucial for understanding the malware's communication strategy. What is the IP address it attempted to connect to?

#### python vol.py -f D:\CTF\test\volatility3\memory.dmp windows.netstat

**netstat** provides statistics about all active connections so you can find out which computers or networks a PC is connected to.

python vol.py -f D:\CTF\test\volatility3\memory.dmp -o "dump" windows.dumpfile --pid 4628

```
PS D:\CTF\test\volatility3> python vol.py -f D:\CTF\test\volatility3\memory.dmp -o "dump" windows.dumpfile --pid 4628

Volatility 3 Framework 2.5.2

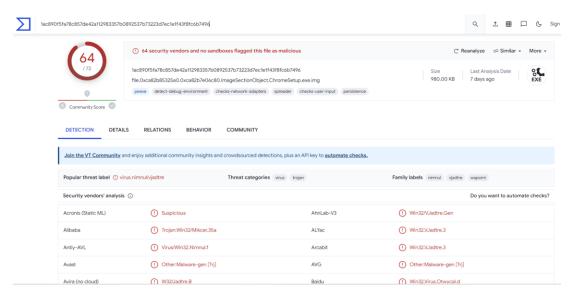
PDB scanning finished
Cache FileObject FileName Result

ImageSectionObject 0xca82b8202cd0 winmm.dll file.0xca82b8202cd0.0xca82b79ab4b0.ImageSectionObject.winmm.dll.img
DataSectionObject 0xca82b8325a0 ChromeSetup.exe Error dumping file
ImageSectionObject 0xca82b8325a0 ChromeSetup.exe file.0xca82b85325a0.0xca82b7e06c80.ImageSectionObject.ChromeSetup.exe.img
```

# Get the File and Let's analyze it for virustotal Sandbox

	file.0xca82b85325a0.0xca82b7e06c80.ImageSectionObject.ChromeSetup.exe.img		Date modified: 2/11/2024 6:27 PM
D:\CTF\test\volatility3\dump	Type: Disc Image File	Size: 980 KB	

#### **Result:**



Let's Compare The netstat command with Relations in virus total

The matched ip address **Answer:** <u>58.64.204.181</u>

Q4 To pinpoint the geographical origin of the attack, which city is associated with the IP address the malware communicated with?



#### **Answer: HONG KONG**

Q5 Hashes provide a unique identifier for files, aiding in detecting similar threats across machines. What is the SHA1 hash of the malware's executable?

172	1ac890f5fa78c857de4 file.0xca82b85325a0.0 peexe detect-debug	)xca82b7e06c80.		ChromeSetup.exe.in	ng user-input persist	ence
Community Score						
DETECTION DETAI	LS RELATIONS	BEHAVIOR	COMMUNITY			
Join the VT Community a	and enjoy additional comm	nunity insights and	d crowdsourced detec	tions, plus an API ke	y to <b>automate che</b>	ecks.
Basic properties ①						
MD5	11318cc3	a3613fb679e2597	'3a0a701fc			
SHA-1	280c9d3	6039f943243389	3dee6126d72b9112ad2	2		

## Answer: 280c9d36039f9432433893dee6126d72b9112ad2

Q6 Understanding the malware's development timeline can offer insights into its deployment. What is the compilation timestamp of the malware?

# History (i)

## Creation Time

2019-12-01 08:36:04 UTC

Q7 Identifying domains involved with this malware helps in blocking future malicious communications and identifying current possible communications with that domain in our network. Can you provide the domain related to the malware?

# In virustotal check for Contacted Domains

Contacted Domains (2) ①				
Domain	Detections	Created	Registrar	
ddos.dnsnb8.net	11 / 90	2020-08-13	Dynadot Inc	
dnsnb8.net	7 / 90	2020-08-13	Dynadot Inc	

Answer: dnsnb8.net