Leandro Deigado 114416241 As Posted 6%	Put Student Name(s) ↓	Put Student IDs ↓	Due Date	Grade Weight	
	Leandro Delgado	114416241	As Posted	6%	

	20011010 2019000				
Name	Lab8: RedLine Endpoint Forensics Challenge				
	It is an Individual assignment. Put your name + Student ID in the empty spaces above.				
	Show your genuine signs of your work is done on your machine. This includes:				
Instruction	ons Screenshots that show your desktop background with Date/Time.				
	 Show a pop-up bx that shows "your name + IP". 				
	 Show your logged account when applicable. Optional: Your photo. 				
	Submit your report name: CYT215-Lab8-Student Name & ID				
Challeng	As a member of the Security Blue team: Your assignment is to analyze a memory dump using Redline and Volatility tools. Yo				
Scenari	goal is to trace the steps taken by the attacker on the compromised machine and determine how they managed to bypass th				
	Network Intrusion Detection System "NIDS". Your investigation will involve identifying the specific malware family employed				
	the attack, along with its characteristics. Additionally, your task is to identify and mitigate any traces or footprints left by the				
	attacker.				

Challenge Questions To be Answered

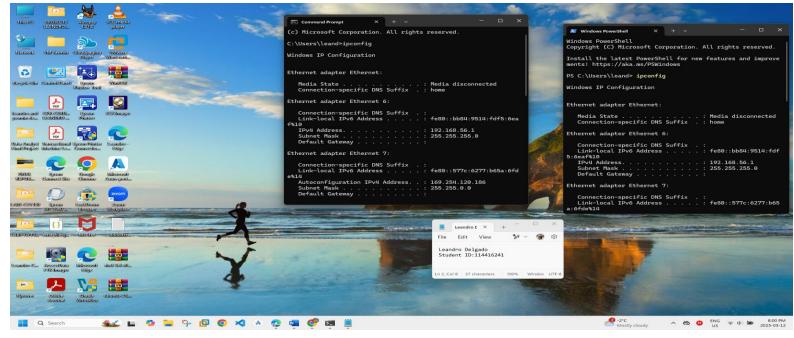
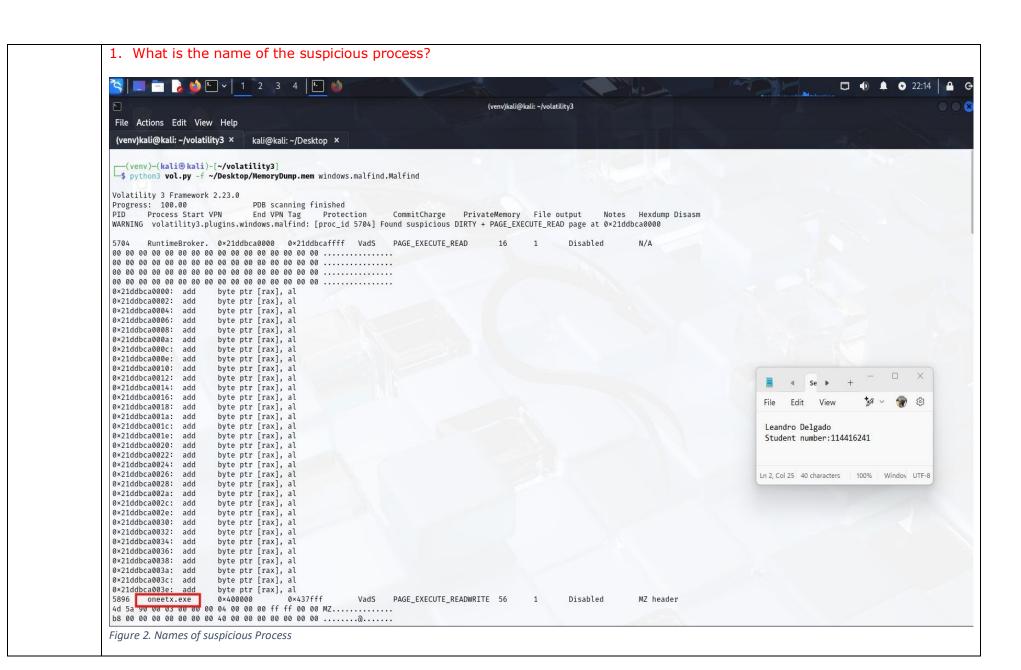
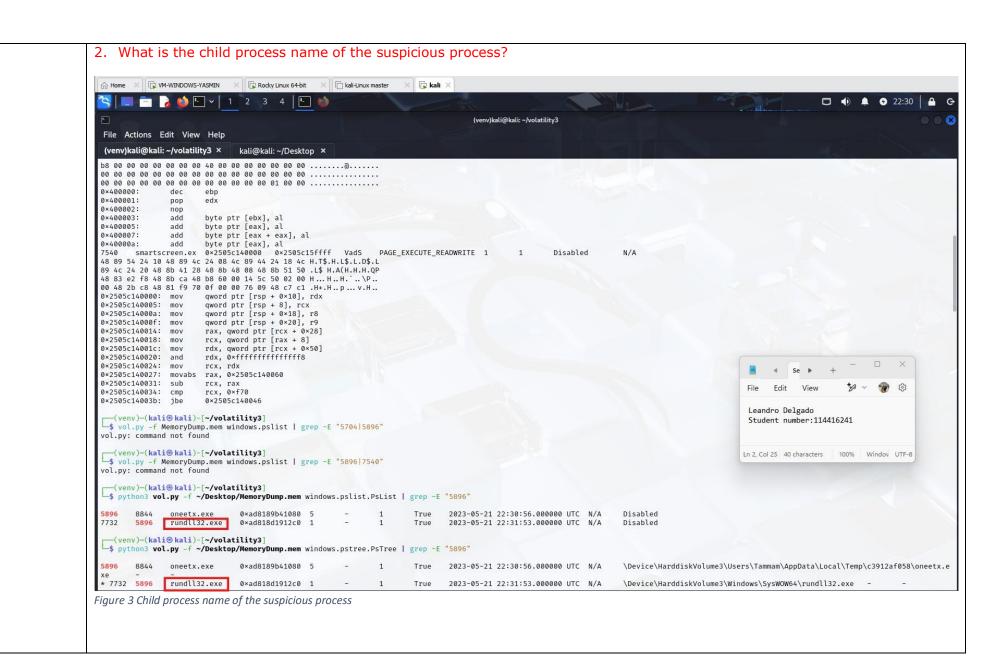
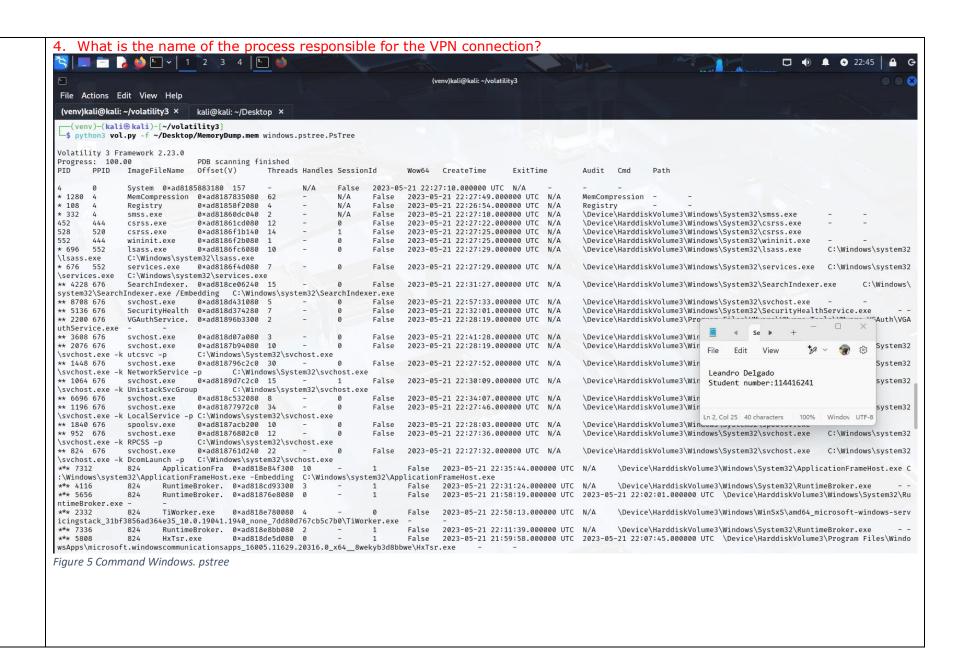


Figure 1. 0 Screen





3. What is the memory protection applied to the suspicious process memory region? 🔙 🗀 🍃 🍪 🗗 🗸 1 2 3 4 🗗 🛍 (veny)kali@kali: ~/volatility3 File Actions Edit View Help (venv)kali@kali: ~/volatility3 × kali@kali: ~/Desktop × -(venv)-(kali@kali)-[~/volatility3] \$ python3 vol.py -f ~/Desktop/MemoryDump.mem windows.malfind.Malfind Volatility 3 Framework 2.23.0 PDB scanning finished Progress: 100.00 PID Process Start VPN End VPN Tag Protection CommitCharge PrivateMemory File output Notes Hexdump Disasm WARNING volatility3.plugins.windows.malfind: [proc_id 5704] Found suspicious DIRTY + PAGE_EXECUTE_READ page at 0x21ddbca0000 5704 RuntimeBroker. 0×21ddbca0000 0×21ddbcaffff VadS PAGE_EXECUTE_READ Disabled 0×21ddbca0000: add byte ptr [rax], al 0×21ddbca0002: add byte ptr [rax], al 0×21ddbca0004: add byte ptr [rax], al 0×21ddbca0006: add byte ptr [rax], al 0×21ddbca0008: add byte ptr [rax], al 0×21ddbca000a: add byte ptr [rax], al 0×21ddbca000c: add byte ptr [rax], al 0×21ddbca000e: add byte ptr [rax], al 0×21ddbca0010: add byte ptr [rax], al 0×21ddbca0012: add byte ptr [rax], al Edit 0×21ddbca0014: add byte ptr [rax], al 0×21ddbca0016: add byte ptr [rax], al Leandro Delgado 0×21ddbca0018: add byte ptr [rax], al Student number:114416241 0×21ddbca001a: add byte ptr [rax], al 0×21ddbca001c: add byte ptr [rax], al 0×21ddbca001e: add byte ptr [rax], al 0×21ddbca0020: add byte ptr [rax], al Ln 2, Col 25 40 characters 100% Windov UTF-8 0×21ddbca0022: add byte ptr [rax], al 0×21ddbca0024: add byte ptr [rax], al 0×21ddbca0026: add byte ptr [rax], al 0×21ddbca0028: add byte ptr [rax], al 0×21ddbca002a: add byte ptr [rax], al 0×21ddbca002c: add byte ptr [rax], al 0×21ddbca002e: add byte ptr [rax], al 0×21ddbca0030: add byte ptr [rax], al 0×21ddbca0032: add byte ptr [rax], al 0×21ddbca0034: add byte ptr [rax], al 0×21ddbca0036: add byte ptr [rax], al 0×21ddbca0038: add byte ptr [rax], al 0×21ddbca003a: add byte ptr [rax], al 0×21ddbca003c: add byte ptr [rax], al 0×21ddbca003e: add byte ptr [rax], al 5896 oneetx.exe 0×400000 0×437fff PAGE_EXECUTE_READWRITE 56 Disabled MZ header 4d 5a 90 00 03 00 00 00 04 00 00 00 ff ff 00 00 MZ...... Figure 4 Memory protection applied to the suspicious process memory region



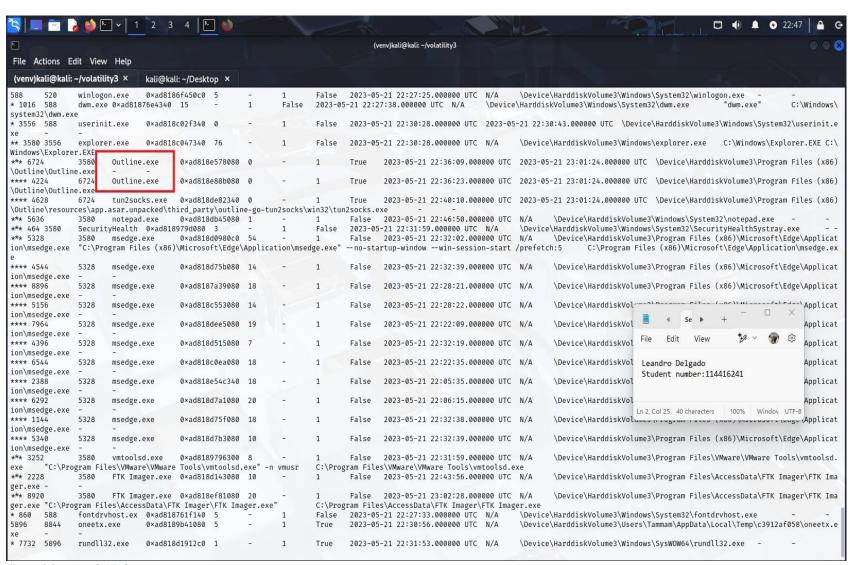
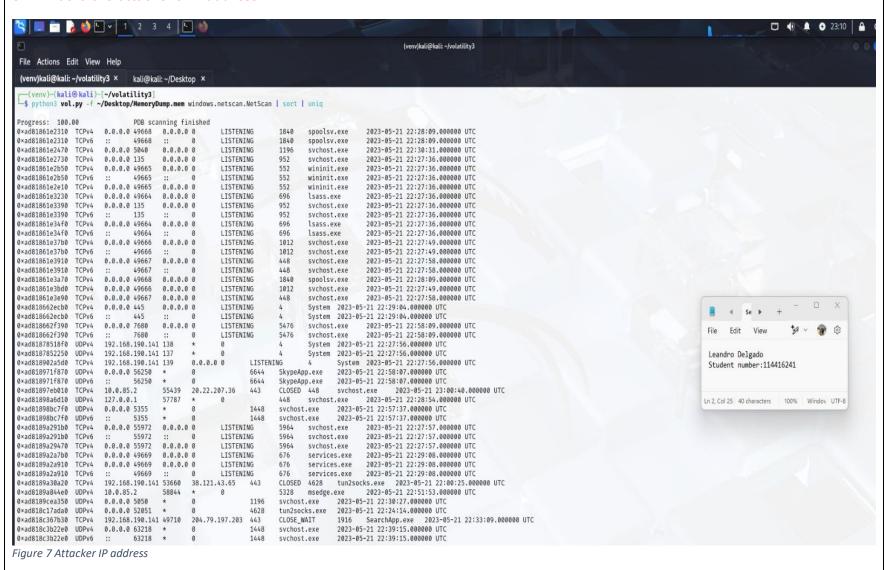


Figure 6 Command Windows. pstree-part

5. What is the attacker's IP address?



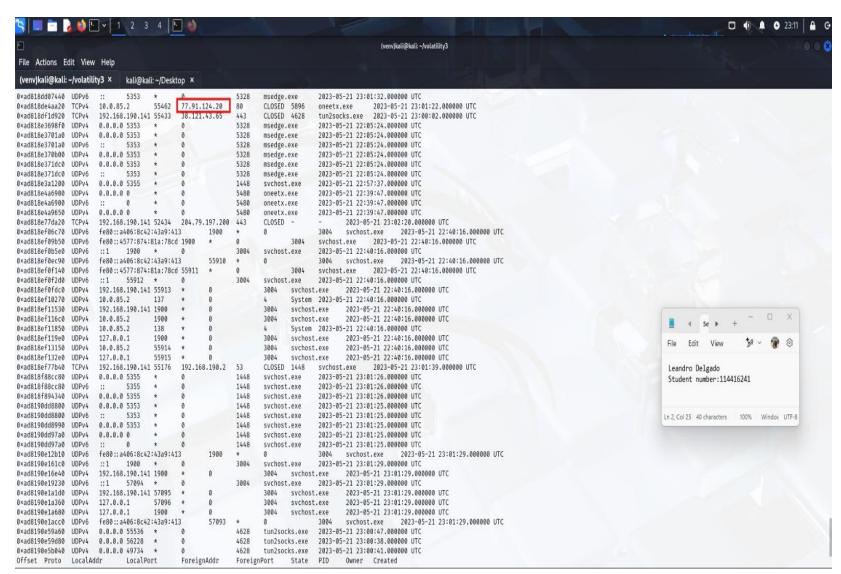


Figure 8 Attacker Ip address part 2

