## HTB Sherlock's Writeup: Logjammer

#### Sherlock Scenario:

You have been presented with the opportunity to work as a junior DFIR consultant for a big consultancy. However, they have provided a technical assessment for you to complete. The consultancy Forela-Security would like to gauge your Windows Event Log Analysis knowledge. We believe the Cyberjunkie user logged in to his computer and may have taken malicious actions. Please analyze the given event logs and report back.

### start:

#### Started the challenge with 5 event viewer files

Date modified	Name	
3/27/2023 1	Powershell-Operational.evtx	
3/27/2023 9:	Security.evtx	
3/27/2023 1	System.evtx	
3/27/2023 9:	Windows Defender-Operational.evtx	
3/27/2023 9:	Windows Firewall-Firewall.evtx	

task 1: When did the cyberjunkie user first successfully log into his computer? (UTC)

I examined the security log file to find the first successful login attempt by the Cyberjunkie user. I looked for a 4624 event code to identify the successful login and found it.

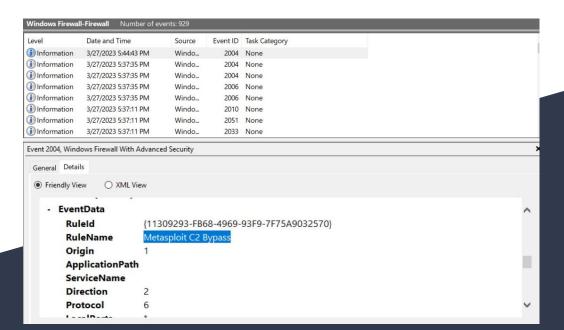
Answer 1: 27/03/2023 14:37:09



Task 2: The user tampered with firewall settings on the system. Analyze the firewall event logs to find out the Name of the firewall rule added?

I analyzed the firewall event log file and searched for the new rule added by the user. The rule identified is named "Metasploit C2 Bypass."

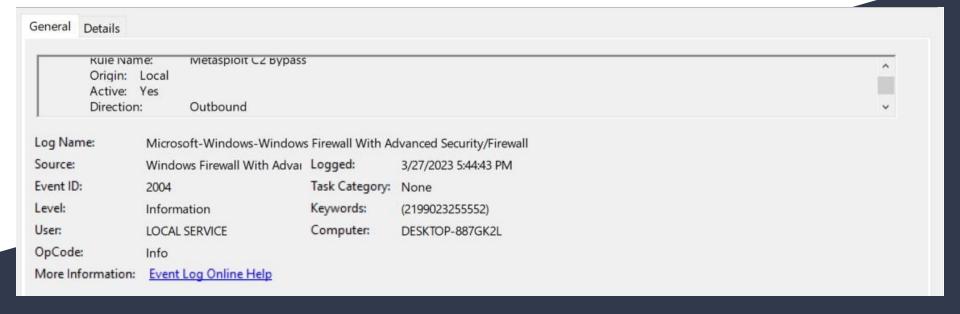
Answer 2: Metasploit C2 Bypass



#### Task 3: Whats the direction of the firewall rule?

we can see that the direction of the new rule is an outbound rule.

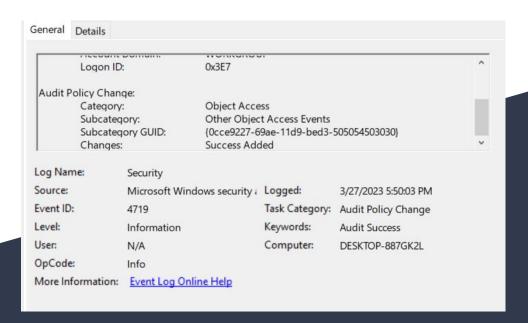
#### **Answer 3: Outbound**



Task 4: The user changed audit policy of the computer. Whats the Subcategory of this changed policy?

I examined the audit policy changes and identified the subcategory as "Other Object Access Events."

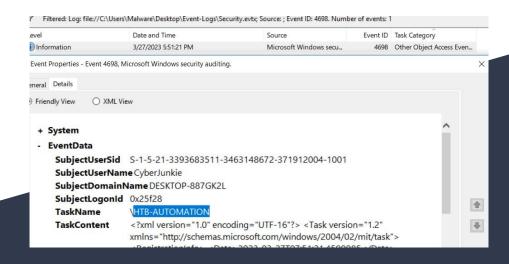
**Answer 4: Other Object Access Events** 



Task 5: The user "cyberjunkie" created a scheduled task. Whats the name of this task?

I examined the security file for scheduled task events, searching for those containing the name "cyberjunkie," and identified the created task as "HTB-AUTOMATION."

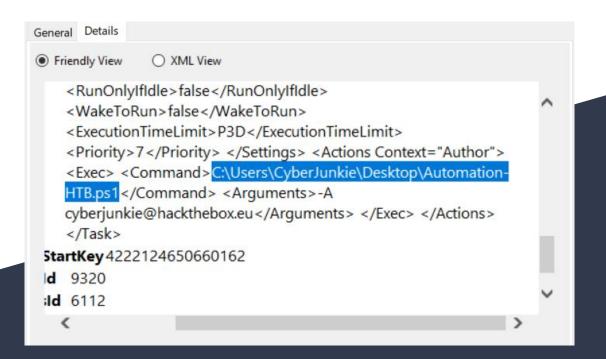
#### **Answer 5: HTB-AUTOMATION**



Task 6: Whats the full path of the file which was scheduled for the task?

I found his path by looking in the detailed view.

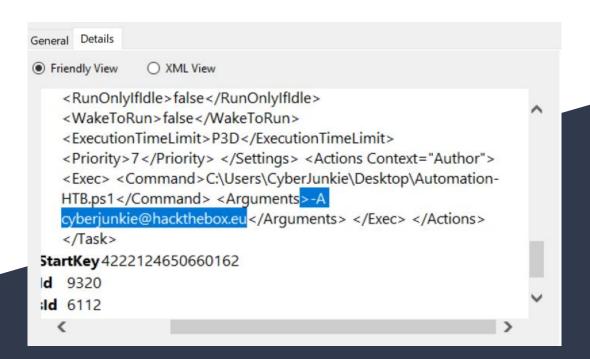
Answer 6: C:\Users\CyberJunkie\Desktop\Automation-HTB.ps1



#### Task 7: What are the arguments of the command?

We can see the commands argument under the files path.

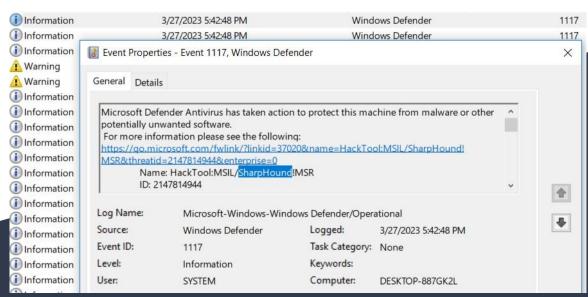
Answer 7: -A cyberjunkie@hackthebox.eu



Task 8: The antivirus running on the system identified a threat and performed actions on it. Which tool was identified as malware by antivirus?

By examining the Windows Defender events, I was able to identify the tool recognized as malware.

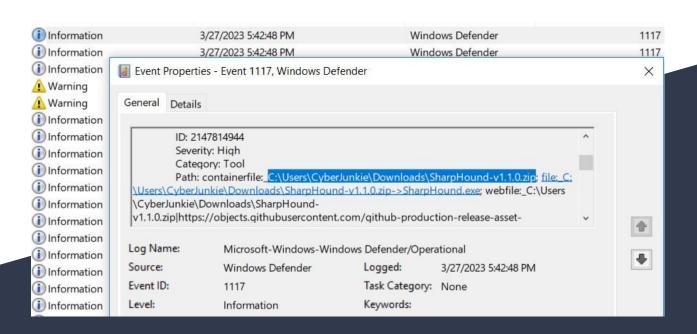
**Answer 8: Sharphound** 



#### Task 9: Whats the full path of the malware which raised the alert?

In the same event as the previous task, we can see the full path to the malware.

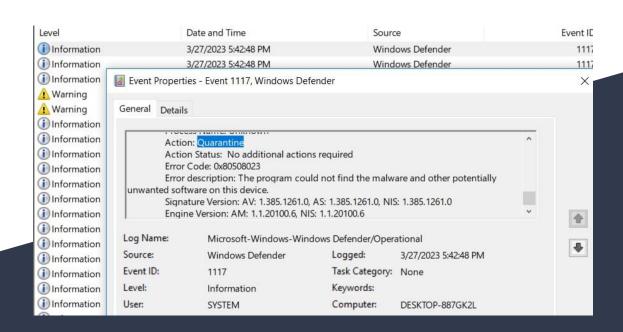
Answer 9: C:\Users\CyberJunkie\Downloads\SharpHound-v1.1.0.zip



#### Task 10: What action was taken by the antivirus?

By examining the Windows Defender events, I was able to find the event specifying the action taken by the antivirus.

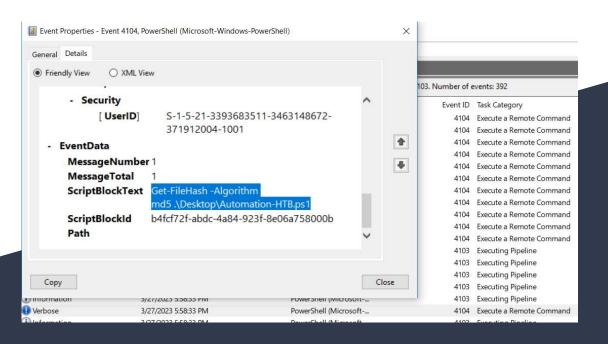
#### **Answer 10: Quarantine**



# Task 11: The user used Powershell to execute commands. What command was executed by the user?

I found the execute command in the powershell event log.

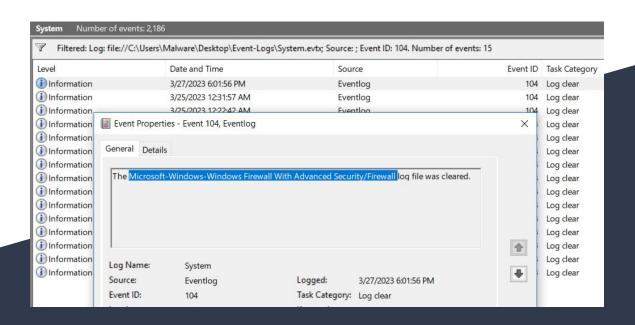
Answer 11: Get-FileHash -Algorithm md5 .\Desktop\Automation-HTB.ps1



## Task 12: We suspect the user deleted some event logs. Which Event log file was cleared?

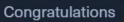
I identified the cleared log in the system event log under the log clear event.

Answer 12: Microsoft-Windows-Windows Firewall With Advanced Security/Firewall





### Logjammer has been Solved!





shokoyanko, best of luck in capturing flags ahead!

#1364	07 Aug 2024	RETIRED
SHERLOCK RANK	SOLVE DATE	SHERLOCK STATE