# evilprogrammer's mexican

https://crackmes.one/crackme/5d63011533c5d46f00e2c305

# Crackme by b1h0 https://crackmes.one/user/b1h0

Date: 19/sep/2019

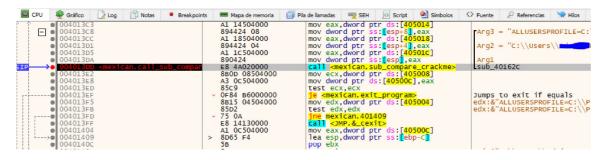
· Used x64dbg debugger.

#### Some notes to get the flag and create the patch

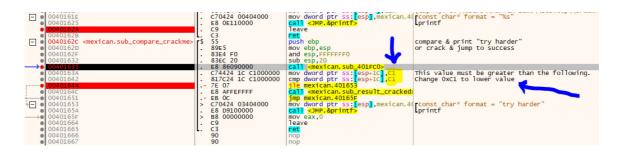
Once the EntryPoint is located, you can verify that at the address 0x00401500 a subroutine begins, which is
the one shown in the flag text. We will call this subroutine: sub\_result\_cracked



Then later we can find in the address 0x004013dd a call to the address 0x0040162c which is the subroutine
that we will call sub\_compare\_crackme. We establish a breakpoint there and then continue step by step.



• Finally at address **0x00401642** we find a comparison of the value **0xC1** with the value 0xC1. The key is that the two values have to be different, and in particular the first one greater than the second, therefore we change the first 0xC1 for a greater value, or the second 0xC1 for a smaller value.



• So we change the 0xC1 value of the comparison line to a lower value. For example, 0 (zero)



## The flag

· After the change, the flag message appears. Printed message: flag

Note one curious thing. After displaying the flag, strange or random characters are still displayed. This is because the flag string does not end with **NULL '\0'**. It is likely that there is some part of the code that adds this value to the chain or it could also be that the programmer has forgotten this detail.

### The Patch

The file for the patch is included with the name mexican-patch.1337

```
>mexican.exe

00001642:81->83

00001646:C1->00

00001647:00->90

00001648:00->90

00001649:00->90
```