

Requirements: OllyDbg

Open the crackme with OllyDbg, go to 0x00402506 which represent the onLoad handler, go down, and stop at the address 0x00402606.

```

00402609 | . 50          PUSH EAX
0040260A | . 68 8C204000 PUSH 0040208C
0040260F | . FF15 28104000 CALL DWORD PTR DS:[<&MSUBUM60.__vbaStrCat>]
00402615 | . 8B00        MOV EDX,EAX
00402617 | . 8D4D E8     LEA ECX,[LOCAL.6]
0040261A | . FF15 A8104000 CALL DWORD PTR DS:[<&MSUBUM60.__vbaStrMove>]
00402620 | . 8D4D E4     LEA ECX,[LOCAL.7]
00402623 | . FF15 BC104000 CALL DWORD PTR DS:[<&MSUBUM60.__vbaFreeStr>]
00402629 | . 8D4D E8     LEA ECX,[LOCAL.8]
0040262C | . FF15 C0104000 CALL DWORD PTR DS:[<&MSUBUM60.__vbaFreeObj>]
00402632 | . 8B4D E8     MOV ECX,DWORD PTR SS:[LOCAL.6]
00402635 | . 51          PUSH ECX
00402636 | . 68 9C204000 PUSH 0040209C
0040263B | . FF15 54104000 CALL DWORD PTR DS:[<&MSUBUM60.__vbaStrCmp>]
00402641 | . 85C0        TEST EAX,EAX
00402643 | . JNE 0F84 80000000 JE 004026C9

```

UNICODE ".exe"

UNICODE "Crackme.exe"

As you can see, in this snippet of code, the crackme will compare the actual name of the crackme, with "Crackme.exe", and if they are different we can't go forward, so don't rename the crackme. Next we will reach another validation which uses the api "IsDebuggerPresent" to avoid debug.

```

004026C9 | > 8B35 9C104000 MOV ESI,DWORD PTR DS:[<&MSUBUM60.__vbaVarDup>]
004026CF | . BB 0A000000 MOV EBX,0A
004026D4 | . BF 08000000 MOV EDI,8
004026D9 | > E8 16F9FFFF CALL 00401FF4

```

Step into 0x004026D9, as you will see IsDebuggerPresent api call.

```

00401FF4 | $ A1 B0334000 MOV EAX,DWORD PTR DS:[4033B0]
00401FF9 | . 0BC0        OR EAX,EAX
00401FFB | . JNE 74 02   JE SHORT 00401FF4
00401FFD | . FFE0        JMP EAX
00401FFF | > 68 DC1F4000 PUSH 00401FDC
00402004 | . B8 B0114000 MOV EAX,<JMP.&MSUBUM60.DllFunctionCall>
00402009 | . FFD0        CALL EAX
0040200B | . FFE0        JMP EAX

```

Jump to KERNELBASE.IsDebuggerPresent

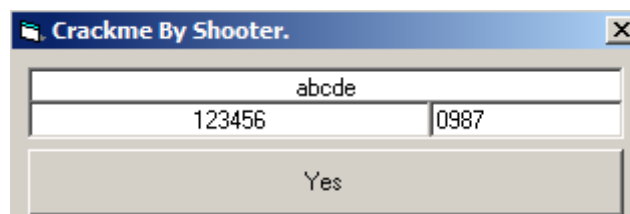
PTR to ASCII "kernel32.dll"

Jump to MSUBUM60.DllFunctionCall

kernel32.IsDebuggerPresent

So just, patch the JNE located at the address 00x4026F1 with a JMP, and resume the process.

Set your data like this!



So, now we just have to locate the "Yes" button click handler, and get the correct serial. Set a breakpoint at the address 0x004027C0 and press on the "Yes" button.

```

00402966 | . 6A 03       PUSH 3
00402968 | . 8D4D A4     LEA ECX,[LOCAL.23]
0040296B | . 51         PUSH ECX
0040296C | . 8D55 B4     LEA EDX,[LOCAL.19]
0040296F | . 8D45 D8     LEA EAX,[LOCAL.10]
00402972 | . 52         PUSH EDX
00402973 | . 8945 AC     MOV DWORD PTR SS:[LOCAL.21],EAX
00402976 | . C745 A4 0840 MOV DWORD PTR SS:[LOCAL.23],4008
00402979 | . FF15 00104000 CALL DWORD PTR DS:[<&MSUBUM60.#617>]

```

At the address 0x0040297D the crackme retrieve the first 3 chars our username, with the api "rtcLeftCharVar".

