

Forum:[Hack Forums](#)

Thread: [Serial Number Generator Challenge](#)

yuumi - March 26, 2022, 9:08 pm

This is a reverse engineering I came up with since some people on this forum seem enjoy them and I enjoyed writing it.

The application asks for a name and a serial number. It then checks whether the serial number is valid for the name provided.

The serial numbers are not hard coded into the application, rather it runs through a set of algorithms to validate.

Each name provided can have multiple serial numbers, for example:

yuumi
1b30ef01627e97781f5a1a7b08516d69

yuumi
16300487de639bfe8759fd7b2c4f6d69

yuumi
48308d113617ba689423547bd7416d69

Those three are valid name/serial number combinations. So several factors go into generating a valid serial number, of course I can't tell you what those factors are, that's for you to figure out.

Your task:

Reverse engineer the binary to code your own serial number generator

For example your application can ask for a name and spit out a serial number. The name/serial number can then be entered into my application, if the serial number is correct we get a correct message otherwise we get an incorrect message.

good name/serial

bad name/serial

You can notice in the bad serial image, I changed the last character from a 9 to an 8 and it failed, rightfully so.

The name length is restricted to 8 bytes max , The serial string length is constant 32 bytes

Once you've solved it or developed your number generator, throw it in my application to see if it works.

Then post the name/serial combination and I will test it myself to see if it's valid or dm me your generator/image of the solution.

Good luck and have fun. And to make your tasks a bit easier, I did not use any encryption on the .text section.

Edit: 64 bit CRT Disabled

[64bit Megaio link](#)

[Virtual Total 5/68](#)

You can run this in a VM if you'd like.