Subject: Re: Protect package - A starting copy protection system
Posted by Tom1 on Wed, 06 Jun 2018 06:31:19 GMT
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Hi Max,

Here are the results from testing Release builds with different compilers:

Without PROTECT flag:
2 * X = 10
2 * X = 20
S is : Hello
S is : Massimo
<--- Finished in (0:01.40), exitcode: 3221225477 --->
With PROTECT flag:
2 * X = 10
2 * X = 20
S is : Hello
<--- Finished in (0:12.26), exitcode: 3221225477 --->

For protected version, the ProtectTest.log file looks like this:

* C:\upp-11979\out\MyApps\MSBT17x64.Protect\ProtectTest.exe 06.06.2018 09:27:24, user: tom

START DECRYPT
JMP NOT FOUND
START DECRYPT
JMP NOT FOUND
START DE-OBFUSCATE
JMP NOT FOUND
START OBFUSCATE

1. On protected version "S is : Massimo" did not print out.

2. Neither 32-bit nor 64-bit version printed out the encrypted data.

3. Please note the 12 second execution time on protected version. It started out fast but took quite a while to complete.

The behavior was exactly the same with MSVS15, MSVS15x64, MSVS17, MSVS17x64, MSBT17 and MSBT17x64.

I think obfuscation needs some tuning as well as encrypted data processing.

In addition to present-day compiler and U++ support, I'm especially pleased to see that the 64-bit variant is now emerging! Good work Max! :)

Thanks and best regards,

Tom

Update: The 12 second long execution time was revealed in Task Manager to involve running "Windows Error Reporting"... I guess this is some sort of a crash and Windows 10 calls home immediately.

Update2: Data encryption/decryption works OK. The problem is entirely in obfuscation; When both obfuscated calls are commented out, encrypted data prints out OK and exit code becomes zero.
