
Subject: Re: Protect package - A starting copy protection system

Posted by [mdelfede](#) on Wed, 06 Jun 2018 15:19:04 GMT

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Tom1 wrote on Wed, 06 June 2018 15:30Hi,

Every now and then I had occasional problems with ProtectEncrypt regarding both PROTECT and OBFUSCATE and the resulting executable on x64. Then I decided to disable optimizations by going from /O2 to /Od. Then both PROTECT and OBFUSCATE started to work on x64 even in my larger application.

This is probably caused by code rearranged by the optimizer... my code requires that the closing macro code comes AFTER the opening one, inside the executable. If the optimizer swap stuffs it doesn't work

Quote:

I have now added the following pragma to all my cpp source files using PROTECT and/or OBFUSCATE and it seems to stabilize things for now:

```
#pragma optimize( "tsg", off )
```

you should try disabling single optimizations up to it works. Normal optimizations should be harmless.

My code is quite complex and on GCC works correctly. I still have to test it on MSC, but then only on 32 bit... I don't do 64 bit builds for MSC.

Quote:

UPDATE: Yes, return; does indeed still work from within PROTECT, but '#pragma optimize("tsg", off)' is needed to avoid optimization which would break it. Do you think it would be a good idea to include this directly in <Protect/Protect.h> to avoid optimization that can break it?

Maybe that's a good idea. We should try to find the right optimizations... it would be a pity to disable all of them.
