



Toronto, Canada: Codedgers, Inc. is pleased to introduce the first public beta version of its innovative solution for software protection — **MORPHER*** (codename, subject to change upon final release)

Morpher is a versatile and flexible automatic software transformation toolkit focused on protection of software algorithms. Despite of other software protection solutions on the market which operate only on final binary Morpher is tightly coupled with the industry-standard C/C++ compiler and thus can use much more information about sources to be protected. Such information is normally lost during compilation and codegeneration.

Morpher is mainly focused on high-level transformations which are quite hard to achieve using competitive solutions.

Based on LLVM technology, Morpher possesses the following features:

Source languages (gcc 4.2 based frontend)

- 1
 - » Standard-compliant C (ANSI, C90, C99, including gcc extensions)
 - » Standard-compliant C++ (including gcc extensions)

Target platforms

- 2
 - » X86 (32 and 64 bit Linux, 32 and 64 bit MacOS X, 32 and 64 bit Microsoft Windows)
 - » PowerPC (32 and 64 bit MacOS X, limited support for 32 bit Linux)
 - » ARM
 - » Limited support for MIPS, Alpha and Sparc architectures

Secure software transformations (only part listed)

- 3
 - » Code flow graph flattening
 - » Functions interleaving & merging
 - » Opaque predicates insertion
 - » Opaque variables insertion
 - » Automatic constants protection and encryption
 - » Special transformations can be added per customer's request.

For more information or software evaluation request please don't hesitate to contact us at morpher@codedgers.com

* — Made for private investor, release model to be determined