Readme

Summary

This is version 0.1 of the Mono PHP Compiler by Raphael Romeikat. It is licensed under the GNU General Public License and can be obtained at http://sourceforge.net/projects/php4mono.

It comes with the files:
```
mPHP.exe
mPHPRuntime.dll
readme.pdf
samples.pdf
samples\Geometry.php
samples\MathPHP.php
samples\MathCS.cs
```

No installation is necessary; just make sure the files `mPHP.exe` and `mPHPRuntime.dll` are in the same directory.

Requirements

The only requirement is Mono in version 1.1.8.3. Make sure the Mono binaries directory is in your path to ensure comfortable usage of the Mono PHP Compiler.

Usage

To compile a PHP script, go to the directory where mPHP.exe is located. Then execute

```
mono mPHP.exe [options] <source file>
```

whereas `options` may be any of

```
-out:<file>      Specifies output file
                 (no directories allowed, just filename)
-target:<kind>   Specifies the target (short: -t:)
                 <kind> is one of: exe, library
-nowarn          Disables warnings
-help            Displays this usage message (short: -?)
```

Examples

This distribution of the Mono PHP Compiler includes two examples:
example (1) demonstrates the compilation and execution of a PHP script on its own,
example (2) additionally demonstrates how a compiled PHP script can be used from a class written in another .NET language.
For a detailed description of these examples please refer to the file `samples.pdf`.

Features

The Mono PHP Compiler translates PHP scripts of version 5.0.4 to Common Intermediate Language (CIL). Currently not all features of PHP are supported. See below for a more detailed overview.

PHP feature	included	not included
Types	boolean integer float/double string arrays (standard and advanced) object NULL mixed	resource number callback
casting	explicit with all types implicit with all types	
variables	local, static, global variables	variable variables predefined variables superglobals
constants	standard constants	magic constants
expressions	all expressions	except `...`
operators	all expressions	except @
control structures	if else elseif while do for foreach switch	delcare include/require
functions	user defined functions	variable functions exceptions built-in functions external modules
classes and objects	inheritance overloading cloning	abstraction interfaces iterators reflection

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Raphael Romeikat, 30.8.2005