NAME

Padre::Perl – A more nuanced "Where is Perl" module than Probe::Perl

DESCRIPTION

Even though it has only had a single release, Probe::Perl is the "best practice" method for finding the current Perl interpreter, so that we can make a system call to a new instance of the same Perl environment.

However, during the development of Padre we have found the feature set of Probe::Perl to be insufficient.

`Padre::Perl` is an experimental attempt to improve on Probe::Perl and support a wider range of situations. The implementation is being contained to the Padre project until we have competently "solved" all of the problems that we care about.

GUI vs Command Line

On some operating systems, different Perl binaries need to be called based on whether the process will be executing in a graphical environment versus a command line environment.

On Microsoft Windows *perl.exe* is the command line Perl binary and *wperl.exe* is the windowing Perl binary.

On Mac OS X (Darwin) *perl.exe* is the command line Perl binary and *wxPerl.exe* is a wxWidgets-specific Perl binary.

PAR Support

PAR executables do not typically support re-invocation, and implementations that do are only a recent invention, and do not support the normal Perl flags.

Once implemented, we may try to implement support for them here as well.

FUNCTIONS

`perl`

The `perl` function is equivalent to (and passes through to) the `find_perl_interpreter` method of Probe::Perl.

It should be used when you simply need the "current" Perl executable and don't have any special needs. The other functions should only be used once you understand your needs in more detail.

Returns the location of current *perl* executable, or `undef` if it cannot be found.

`cperl`

The `cperl` function is a Perl executable location function that specifically tries to find a command line Perl. In some situations you may critically need a command line Perl so that proper `STDIN`, `STDOUT` and `STDERR` handles are available.

Returns a path to a command line Perl, or `undef` if one cannot be found.

`wxperl`

The `wxperl` function is a Perl executable location function that specifically tries to find a windowing Perl for running wxWidgets applications. In some situations you may critically need a wxWidgets Perl so that a command line box is not show (Windows) or so that Wx starts up properly at all (Mac OS X).

Returns a path to a Perl suitable for the execution of Wx–based applications, or `undef` if one cannot be found.

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