

JProjectInspector

Manual

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1 Installation

The tool requires a working installation of the *git* distributed version control client and a Perl interpreter (or alternatively a binary version of cloc, e.g. cloc.exe for Windows).

1.1 Git

- Under **Linux** *git* can easily be installed using the package manager of the distribution. E.g. “`apt-get install git`” on Debian/Ubuntu.
- On **OS X** an installer for the *git* binaries can be fetched from <http://git-scm.com/download/mac>. Alternatively the source based package management system *Homebrew*¹ offers a “formula” for building *git*. Hence on Macs with *Homebrew* installed “`brew install git`” compiles and installs *git*.
- On computers running the **Windows** operating system an installer for git can be found on <http://git-scm.com/download/win>. Alternatively a portable version of *git* for Windows can be downloaded at <https://code.google.com/p/msysgit/downloads/detail?name=Portable+1.8.1.2-preview20130201.7z>. The portable version is self contained and does not require installation.

1.2 Cloc

Cloc is a Perl script that counts the actual code lines in source files written in a variety of popular languages.

- Again under **Linux** something similar to “`apt-get install cloc`” (depending on the specific) distribution.
- On **OS X** it can be installed using “`brew install cloc`”. This requires the Homebrew package manager.

¹<http://mxcl.github.io/homebrew/>

- On Windows there are two options. A self-contained executable of cloc can be downloaded from <http://sourceforge.net/projects/cloc/files/cloc/v1.58/cloc-1.58.exe/download>. Alternatively the ActiveState Perl interpreter in version then only the perl script of cloc is needed. The script can be found at <http://sourceforge.net/projects/cloc/files/cloc/v1.58/cloc-1.58.pl/download>.

1.3 Configuring JProjectInspector

JProjectInspector requires three settings to work correctly:

1. Path to valid folder for temporary cloning of Git repositories from GitHub. This is needed for offline metrics to work.
2. Path to git executable. This is also needed for offline metrics.
3. Path to Perl interpreter and cloc.pl OR path to cloc-executable. Required for loc metrics.