This portal talks about development and programming tools. Technical words can be used but explained.

# Editors

The following editors are available through DebianPackageManagement, the preferred way to install applications on Debian:

- DebianPkg: vim - Vim is an almost compatible version of the UNIX editor Vi.
- DebianPkg: emacs - GNU Emacs is the extensible self-documenting text editor. This is a metapackage that will always depend on the latest recommended Emacs release.
- DebianPkg: nano - small, friendly text editor inspired by Pico
- DebianPkg: kate - The KDE Advanced Text Editor
- DebianPkg: gedit - The default Gnome text editor
- DebianPkg: geany - a GTK+ / Scintilla based promramming editor (it calls itself a lightweight IDE)

For more, see: Editors and Editors and IDEs.

# IDEs - Integrated Development Environments

The following are available through DebianPackageManagement, the preferred way to install applications on Debian:

- DebianPkg: gnome-builder - GTK and GNOME Development
- DebianPkg: eclipse - Extensible Tool Platform and IDE for Java and many other languages, including C++, Python, etc. (Available as a Debian package in Stretch, but not in current versions of Debian, in which DebianPkg: eclipse-debian-helper can be used, or the software can be manually installed - see below.)
- DebianPkg: gambas2 - based on a Basic interpreter with object extensions, like Visual Basic(tm) (but it is NOT a clone!)
- DebianPkg: KDevelop - IDE for C, C++, Python, QML/JavaScript and PHP
- DebianPkg: MonoDevelop - C / C++ / C# / Boo / ASP.NET/ VB.NET / Java programming
- DebianPkg: netbeans - IDE for Java, PHP, C/C++ Development and More (Available as a Debian package in Stretch, but not in current versions of Debian, in which the software can be manually installed - see below.)

- DebianPkg: projectcenter.app - IDE for GNUstep Development using Objective-C
- DebianPkg: QtCreator - C++ / Qt Window designer.
- DebianPkg: Codelite - IDE for development using C, C++, PHP, Node.js

The following are available as downloads from their creators, and are possible to use on Debian:

- Netbeans - IDE for Java, PHP and more. Netbeans installation instructions can be found here: Netbeans
- Eclipse - Extensible Tool Platform and IDE for Java and many other languages, including C++, Java, Python, etc. Eclipse installation instructions can be found here: Eclipse
- Visual Studio Code (from Microsoft) - An editor and lightweight IDE for many programming languages. VS Code installation instructions can be found here VisualStudioCode. VS Code can also be downloaded from 🌐 https://code.visualstudio.com/
- 🌐IntelliJ IDEA, 🌐Pycharm, 🌐Web Storm, 🌐Ruby Mine, and a whole family of similar IDEs from Jetbrains, for almost every popular programming language, can be easily installed on Debian: see the Debian Wiki JetBrains Page for more information.

For more, see: Editors and IDEs.

## Repository and Sources control:

- git
- DebianPkg: mercurial
- SVN
- UsingQuilt

## Development Tools:

- FakeRoot - Provides virtual root privileges for file manipulation within a fake root environment.
- PentiumBuilder - Kludge to allow building for Pentium compatible architecture
- Make - Automatically recompiles parts of a package that need recompilation
- AutoConf - Tool to create a configure script from the `configure.ac` file
- AutoMake - Automatically generates build information files
- Distcc - tool to compile on many boxes at once
- PCRE (Perl Compatible Regular Expressions) tester (GUI) (used to be a KDE one)

Some more:

- DebianPkg: meson - SCons-like build system that uses Python as a front-end language and Ninja as a building backend
- DebianPkg: cmake - A cross-platform open-source make system

## Languages:

- See ProgrammingLanguage

## Wiki pages

All wiki pages related to programming and software development:

1. AutoConf
2. AutoMake
3. **CategoryProgramming**
4. D
5. Distcc
6. FakeRoot
7. Make
8. PHP
9. PentiumBuilder
10. ProgrammingApplication
11. Python
12. Rust
13. Sprints/2016/DebianCloudNov2016 **(Minutes.txt)**
14. fr/ProgrammingApplication
15. fr/Python
16. golang
17. it/FakeRoot
18. it/PentiumBuilder
19. it/ProgrammingApplication
20. it/Python
21. pt_BR/ProgrammingApplication
22. uk/ProgrammingApplication
23. zh_CN/ProgrammingApplication

CategoryPortal | CategorySoftware