

Emacs as a C++ IDE

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A text editor? But I need...

- Jump to definition
- Auto-completion
- On-the-fly syntax highlighting
- Find file in project
- Compile with one key press
- Graphical debugger

Why Emacs?

- Lightweight
- Powerful
- Doesn't require the mouse to be productive
- Extensible
- The editor changes to accommodate your habits
- A rich collection of packages
- Version control your editor configuration

Why not Emacs?

- Emacs is for tinkerers
- Out-of-the-box experience is less than ideal
- Too many options can cause decision fatigue
- If you dislike 5 closing parentheses in a row
- Your colleagues will probably think you're weird

Packages for IDE-like Emacs

- Tagging: CTags, ETags, Cscope
- Syntax checking: flycheck, flymake
- Language-aware editing: semantic
- Auto-completion: autocomplete, company-mode
- Misc: rtags
- Problem: compiler flags for each project
 - Bad solution: directory variables
 - Better solution: project management packages
 - Best solution: ask CMake

My contribution: cmake-ide

- <https://github.com/atilaneves/cmake-ide>
- 0-config setup of IDE packages for CMake projects
- Runs cmake for the user and sets variables used by rtags, flycheck, autocomplete and company
- Compiler-assisted IDE features