



Native support for C and C++  
on every platform

## Fully integrated C/C++ development environment

CLion provides a complete experience for your C/C++ projects with many popular VCS supported out of the box (Git, SVN, Perforce, Mercurial, etc.), smart Doxygen support, and seamless integration with Google Test and Catch.

While CLion is designed for developing in C and C++, it also provides essential support for CMake language, allows Python scripting, supports many web technologies (like JavaScript, Node.js, Markdown and others), Rust, Swift, and others, available via bundled or repository plugins.

## System requirements

- 64-bit OS: Windows 7/8/10, macOS 10.9+, Linux using GNOME, KDE, or Unity
- 2 GB of free RAM
- 1024 x 768 minimum screen resolution.

## Key facts

CLion is a smart cross-platform IDE for developing in C and C++. Built on top of IntelliJ Platform, it includes a lot of intelligent features that boost your productivity as a developer.

## Key features

- Available on Linux, Windows, and macOS
- Finest coding assistance with multiple cursors, smart completion and one-click navigation
- On-the-fly code analysis with quick-fixes suggestions
- Safe and automated refactoring across your project
- Quick Documentation popup with Doxygen preview, inferred type info, and macro replacement
- Keyboard-centric approach
- Built-in terminal and Vim-emulation mode

### Native C/C++ support

- Modern C++ standards, templates, preprocessor
- Data-Flow Analysis, integration with Clang-Tidy
- On-the-fly code formatter
- Instant code generation (for example, generate operators)

### Smart CMake support

- Easy start with existing CMake project, Import Project
- Automatic updates of CMake scripts on file add/delete
- Rename refactoring for user symbols
- CMake completion and live templates

### Built-in debugger

- Inline variable view
- Attach to local process
- Remote GDB debug
- Disassembly view

### Integrations

- Compilers: GCC, Clang
- Compilers on Windows: Cygwin, MinGW, MinGW-w64, MSVC
- Debugger: GDB, LLDB
- Google Test, Boost.Test, Catch
- Valgrind Memcheck, Google Sanitizers

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