ReSharper C++

Visual Studio Extension for C++ Developers

Key Facts

ReSharper C++ makes Visual Studio a better IDE for C/C++ developers, providing on-the-fly code analysis, quick-fixes, powerful search and navigation, smart code completion, refactorings, a variety of code generation options, and other features to help increase your everyday productivity.

Key Benefits

ReSharper C++ advocates best development and design practices with solution-wide refactorings, quick code transformations, and full control over code formatting. It ensures continuous code quality inspection by instantly highlighting errors and code smells in your solution and provides multiple automated quick-fixes. Blazing fast navigation and search features, automatic code generation and templates complete the picture of a cutting-edge productivity tool that empowers any C/C++ developer.

Key Features

- Full integration with Visual Studio 2010, 2012, 2013, 2015, and 2017.
- Seamless integration with ReSharper, and other JetBrains .NET development tools.
- Code analysis. ReSharper C++ executes over 60 code inspections on the fly, letting you instantly see whether a file or the entire solution contains any errors, warnings, or bad practices.
- Quick-fixes, which are available for most of the code inspections, provide one or more ways of resolving the detected errors and problems.
- Navigation and search. You can quickly switch between header and source for any symbol, jump to any file, type, or member in your code base, or navigate from a specific symbol to its usages, base and derived symbols, or implementations.
- Several solution-wide **automated refactorings** such as Rename, Extract Method, Change Signature, and Introduce typedef help you maintain a clean project structure and otherwise implement best development practices.
- Code generation. Boilerplate code such as definitions for declarations, constructors, equality and relational operators, and more can be autogenerated in no time. You can also generate code symbols based on usages.
- Code templates. ReSharper C++ provides an extensible collection of intelligent code snippets, surround templates to wrap code blocks, as well as file and multifile templates to quickly create new project items.
- Code formatting rules can be flexibly configured and applied in any scope, from a selected code block to the entire solution.
- Unit testing. ReSharper C++ comes with a unit test runner in Visual Studio that supports Google Test, Boost.Test, and Catch frameworks.

