ReSharper

The most intelligent extension
for Visual Studio

Key Facts

ReSharper is the leading productivity tool
for .NET developers, which fully integrates
with Microsoft Visual Studio. **It makes thousands
of .NET developers worldwide more productive**
by providing code inspections, automated
refactorings, blazing fast navigation, and coding
assistance.

Key Benefits

ReSharper **advocates best development and
design practices** with global cross-language code
refactorings, hundreds of code transformations,
code formatting and cleanup. ReSharper **ensures
continuous .NET code quality inspection**
by instantly highlighting errors and code
smells in your solution and **provides multiple
automated quick-fixes**. Superior unit testing tools,
navigation and search features, automatic code
generation and templates complete the picture
of a cutting-edge productivity tool that empowers
any .NET developer.

Key Features

- Full integration with Visual Studio 2010, 2012,
2013, 2015, 2017, 2019, and 2022.
- Support for a variety of **languages and
technologies**, including C#, VB.NET, JavaScript,
TypeScript, CSS, HTML, XML, XAML.
- Great value for developers working with
various Microsoft development **frameworks
and platforms** such as .NET/ASP.NET, .NET
Framework, Razor/Blazor, ASP.NET MVC,
WinForms, WPF, Xamarin, WCF, and SharePoint.
- **Code quality and solution-wide analysis.**
ReSharper executes over 2000 code inspections
on the fly, letting you instantly see whether
a file or the entire solution contains any errors,
warnings, or bad practices.
- **Incremental build tool.** ReSharper Build extends
Visual Studio's native build system to safely skip
rebuilding projects that don't need updating,
and makes Visual Studio run builds while staying
responsive.

- **Navigation and search.** You can 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.
- Over 50 solution-wide **automated refactorings**
targeted at reducing duplication, building
efficient inheritance hierarchies, maintaining
a clean project structure and otherwise
implementing best development practices.
- **Code generation and templates.** Boilerplate
code such as type constructors, properties,
comparers, dispose pattern implementations,
delegating or equality members can be created
in no time. In addition, ReSharper provides
live templates with 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 cleanup** helps apply team-wide
preferences that govern code formatting
and the ordering of code members, eliminate
redundant code, and optimize namespace
import directives. It can read and respect
the settings stored in your .editorconfig files.

- **Dependency analysis tools.** ReSharper builds dependency graphs of types and projects in your solution, all without compiling anything. Project dependency snapshot can be saved and then compared with new solution states at various stages. ReSharper also lets you create assembly dependency diagram from any number of assemblies and explore how they reference each other.
- **Internationalization.** ReSharper has a first-class Localization Manager which shows everything you have in your resx files in one single grid, so you can observe the current state of the application or website localization and quickly find any missing resource values in any culture.

ReSharper greatly simplifies working with localizable resources by providing a full stack of features for resx files and resource usages in C#, VB.NET, ASP.NET, and HTML.
- **Exploring library code.** With ReSharper, you can fetch original source code from source servers, decompile libraries that have no debug information available, or reconstruct library types' structure from metadata — all this without leaving Visual Studio.
- **Unit testing.** ReSharper automatically detects NUnit, xUnit, and MSTest unit tests in your projects, helping you manage, run, and debug them. Other unit testing frameworks such as MSpec are supported via ReSharper extensions.

- **Extensibility.** The NuGet-based Extension Manager makes discovery, installation, and removal of ReSharper extensions (full-fledged plug-ins, sets of templates or SSR patterns) extremely easy.
- **Command-line version of ReSharper.** In your CI server or version control system, you can use free standalone tools to run a full set of ReSharper inspections, as well as code cleanup.

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R# ReSharper
R+ ReSharper C++

ReSharper license covers ReSharper and ReSharper C++ products.

JetBrains
dotUltimate

dotUltimate license includes all .NET and Visual Studio tools, together in one pack.

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