

VS Code

Visual Studio is a powerful developer tool that you can use to complete the entire development cycle in one place. It is a comprehensive **integrated development environment (IDE)** that you can use to write, edit, debug, and build code, and then deploy your app. Beyond code editing and debugging, Visual Studio includes compilers, code completion tools, source control, extensions, and many more features to enhance every stage of the software development process.

Key features include user-friendly interface, support for numerous programming languages, and a robust extension system.

Visual Studio IDE provides many features that make it easier for you to write and manage your code with confidence.

You can write high-quality code with comprehensive testing tools in Visual Studio. Unit tests give developers and testers a quick way to find logic errors in code.

Vs code have very Large and active community also Regular updates and responsive support.

Extensive documentation, tutorials, active online forums and communities for problem-solving

Its performance is Lightweight, fast and efficient use of system resources.

Extensible through a vast library of extensions and Enhance functionality for specific languages, frameworks, or tools.

- Visual Studio provides developers a feature rich development environment to develop high-quality code efficiently and collaboratively.
 - Workload-based installer - install only what you need.
 - Powerful coding tools and features - everything you need to build your apps in one place.
 - Multiple language support - code in Python, C++, C#, JavaScript, TypeScript, and more.
 - Cross-platform development - build apps for any platform.
 - Version control integration - collaborate on code with team mates.
 - AI-assisted development - write code more efficiently with AI assistance.

Build app

You can compile and build your applications to create builds immediately and test them in a debugger.

Debugger

Built-in debugger with support for various languages. Set breakpoints, inspect variables, and step through code.

Version control

With the integrated Git features in Visual Studio, you can clone, create, or open your own repositories. The Git tool window has everything you need for committing and pushing changes to code, managing branches, and resolving merge conflicts.

User Interface

Intuitive and customizable. It consists of panels like Explorer, Source Control, Run, and Extensions

Editing Features

Syntax highlighting for various languages. Auto-completion and IntelliSense provide smart suggestions and Git integration for version control.