



Visual Studio Professional

Visual Studio professional is a powerful, fully-featured IDE for developers designing, building, and deploying innovative applications for any platform.

Visual Studio Enterprise

Visual Studio Enterprise is a powerful, comprehensive IDE for developers designing, building, testing, and deploying complex applications for any platform—including the Microsoft stack.



Getting Started with Visual Studio IDE

To develop any type of app or learn a language, you'll be working in the Visual Studio Integrated Development Environment (IDE). Beyond code editing, Visual Studio IDE brings together graphical designers, compilers, code completion tools, source control, extensions and many more features in one place.

.NET

Using Visual Studio and .NET, you can develop applications for desktop, web, mobile, games, and IoT. You can write .NET apps in C#, F# or Visual Basic language.

- **Desktop development using .NET Core**
- **Web/Cloud development using ASP.NET Core**
- **Game development using Unity**
- **Machine Learning using ML.NET**

C++

C++, C, and assembly language development tools and libraries are available as part of Visual Studio on Windows. You can use C++ in Visual Studio to create anything from simple console to Windows desktop apps, from device drivers and operating system components to cross-platform games for mobile devices, and from small IoT devices to multi-server computing in the Azure cloud.

- **Desktops apps**
- **Android/iOS apps using C++**
- **Game development using C++**

Python

Visual Studio is a powerful IDE for Python language through its built in Python Development and Data Science workloads. Python is a popular, easy to learn, free to use programming language with many free libraries. In Visual Studio use Python to build web applications, web services, desktop apps, scripting, and scientific computing. It is used by many universities, scientists, casual, and professional developers alike.

- **Data Science and Analytical applications**
- **Web applications**
- **Python & Flask Tutorial**
- **Desktop app**

JavaScript/TypeScript

Visual Studio provides rich support for JavaScript development, both using JavaScript directly, and also using the TypeScript, an open-source language which builds on JavaScript and is often used in large size web app development.

- **Web application**

Node.js

Visual Studio has built in tools for Node.js which is a platform for building fast and scalable server applications using JavaScript. Node.js is the runtime and npm is the Package Manager for Node.js modules. Learn what makes Visual Studio a powerful node.js development environment.

- **Web/Cloud development with Node.js tools**

- **React Web UI**

React is a popular JavaScript library developed by Facebook for building web application user interfaces.