

When it comes to setting up an [integrated development environment \(IDE\)](#), programming applications on Ethereum is similar to programming any other software project. There are many options to choose from, so at the end of the day, pick the IDE or code editor that best suits your preferences. Most likely the best IDE choice for your Ethereum development is the IDE you already use for traditional software development.

Web-based IDEs {#web-based-ides}

If you're looking to fiddle with code before you [set up a local development environment](#), these web apps are custom-built for Ethereum smart contract development.

[Remix](#) - *Web-based IDE with built in static analysis, and a test blockchain virtual machine*

- [Docs](#)
- [Gitter](#)

[ChainIDE](#) - *A cloud-based multi-chain IDE*

- [Docs](#)
- [Help forum](#)

[Replit \(Solidity Starter - Beta\)](#) - *A customizable development environment for Ethereum with hot reloading, error checking, and first-class testnet support*

- [Docs](#)

[Tenderly Sandbox](#) - *A fast prototyping environment where you can write, execute, and debug smart contracts in the browser using Solidity and JavaScript*

[EthFiddle](#) - *Web-based IDE that lets you write, compile, and debug your smart contract*

- [Gitter](#)

Desktop IDEs {#desktop-ides}

Most established IDEs have built plugins to enhance the Ethereum development experience. At a minimum, they provide syntax highlighting for [smart contract languages](#).

Visual Studio Code - *Professional cross-platform IDE with official Ethereum support*

- [Visual Studio Code](#)
- [Azure Blockchain Workbench](#)
- [Code samples](#)
- [GitHub](#)

Atom - *A hackable text editor for the 21st Century*

- [Atom](#)
- [GitHub](#)
- [Ethereum packages](#)

JetBrains IDEs (IntelliJ IDEA, etc.) - *Essential tools for software developers and teams*

- [JetBrains](#)
- [GitHub](#)
- [IntelliJ Solidity](#)

Remix Desktop - *Experience Remix IDE on your local machine*

- [Download](#)
- [GitHub](#)

Plugins and extensions {#plugins-extensions}

- [solidity](#) - Ethereum Solidity Language for Visual Studio Code
- [Solidity + Hardhat for VS Code](#) - Solidity and Hardhat support by the Hardhat team
- [Prettier Solidity](#) - Code formatter using prettier

Further reading {#further-reading}

- [Ethereum IDEs](#) - Alchemy's list of Ethereum IDEs

Know of a community resource that helped you? Edit this page and add it!