

GitHub Codespaces

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Agenda



Intro to Codespaces



Codespaces Demo



Codespaces customization



Hands on for codespaces



How quickly can
developers start in
your team?





README.md

CONTRIBUTING.md



\$ git clone

Install Xcode CLI Tools

Review dependencies



\$ script/magic

\$ npm audit fix

\$ bun

\$ npm i

\$ gem install



\$ echo \$PATH

\$ npm run

Hey Google...

\$ git reset

\$ brew update



Codespaces

The screenshot displays a web-based development environment (VS Code) running in a browser. The interface is divided into several panels:

- EXPLORER:** Shows the file structure of the project, including files like `.github`, `.vscode`, `node_modules`, `public`, `src`, `.babelrc`, `.gitignore`, `index.js`, `package-lock.json`, `package.json`, and `README.md`.
- OPEN EDITORS:** Lists the open files, including `index.js` and `App.ts`.
- EDITOR:** Displays the code for `App.ts` and `index.js`. The code is written in TypeScript and JavaScript, using `express` for web server functionality and `pg` for database connections. It includes routes for `/` and `/visits/day`.
- TERMINAL:** Shows the output of the command `npm run dev`, indicating that the server is starting on port 3000.

The status bar at the bottom indicates the current branch is `feature-branch-1` and the user is `califa`.



Codespaces

- World-class dev environment in the cloud
- Complete VS Code editor in the browser
- Pre-configured for development
- Built-in debugger and runner
- Automatic Git config and GitHub login
- All your dotfiles
- Scalable compute options

Demo



Personalizing code spaces for your project



Customizations

- The default codespaces created will have the base Linux image including tools for Python, Node.js, JavaScript, TypeScript, C++, Java, C#, F#, .NET Core, PHP, PowerShell, Go, Ruby, and Rust
- Default configuration for every new codespace for your repository to ensure that contributors have all the tools and settings they need in their online development environment

You can use rich set of prebuilt configuration or build your own

<https://github.com/codespaces-examples>

<https://github.com/microsoft/vscode-dev-containers/tree/master/containers>

Personalizing code spaces for your account



- Codespaces clones your “dotfiles” public repository in your github account. And installs it in the cloud dev environment, to make you feel at home.
- As Codespaces are powered by VS Code you can use the VS code Settings Sync option as well to customize your editor.



Thank you!

github.com/features/codespaces

github.com/feedback/discussions/categories/codespaces-feedback

