How to Install Cypress for a Node.js Application

1. Make sure Node.js is installed

Check your Node version:

node -v
npm -v

Recommend: **Node 16+** and **npm 8+**

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2. Initialize your Node project

If your project does not already have a `package.json` file:

npm init -y

This creates a default Node project.

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3. Install Cypress

Run the Cypress installation command:

npm install cypress --save-dev

This installs Cypress as a dev-dependency.

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4. Open Cypress for the first time

After installation, you can open Cypress using:

npx cypress open

This will:

- Create the default Cypress folder structure

- Create example tests

- Download the Cypress binary on first run

5. Cypress folder structure will look like

cypress/
  e2e/
  fixtures/
  support/
cypress.config.js

6. Run Cypress in headless mode (optional)

If you want to run tests in terminal only:

npx cypress run

7. Add scripts in package.json (optional but recommended)

Update your `package.json`:

"scripts": {
  "cy:open": "cypress open",
  "cy:run": "cypress run"
}

Run with:

npm run cy:open
npm run cy:run