

## Playwright Installation Guide

### 1. Install Node.js

- Open <https://nodejs.org>
- Download the LTS version (18+) for Windows.
- Run the installer → check 'Add to PATH'.
- Finish installation.

### 2. Verify Node.js & npm Installation

- Open Command Prompt (cmd) or PowerShell and run:
- `node -v`
- `npm -v`
- `npx --version`
-  If versions appear (e.g., v20.14.0), installation was successful.

### 3. Install Visual Studio Code

- Download from <https://code.visualstudio.com>
- Install with default settings.
- Open VS Code → go to Extensions (Ctrl+Shift+X) → search & install: 'Playwright Test for VS Code' (by Microsoft).

### 4. Create a Playwright Project

- In Command Prompt or VS Code Terminal:
- `mkdir playwright-demo`
- `cd playwright-demo`
- `npm init playwright@latest`
- Wizard will ask:
  - Language → choose TypeScript (recommended) or JavaScript
  - Install Playwright browsers? → Yes
- This creates:
  - tests/ → sample tests
  - `playwright.config.ts` → configuration file
  - Downloads browsers (Chromium, Firefox, WebKit)

### 5. Run Playwright Tests

- `npx playwright test` # Run all tests
- `npx playwright test --ui` # Run tests with interactive UI
- `npx playwright show-report` # Show HTML report