

# npx

npx (Node Package eXecute) is a package runner tool that comes bundled with npm since npm 5.2.0. It allows you to

- Execute packages without installing them globally
- Run locally installed packages directly
- Execute packages from the npm registry on-demand

## Using npx vs direct package installation

Approach	Command	Pros	Cons
Global Install	1. <code>npm install -g ts-mocha</code> 2. <code>ts-mocha tests/*.ts</code>	Simple commands	Version conflicts, system pollution
Local Install	1. <code>npm install ts-mocha</code> 2. <code>./node_modules/.bin/ts-mocha tests/*.ts</code>	Project-specific versions	Long paths, complexity
npx	1. <code>npx ts-mocha tests/*.ts</code>	Clean, uses local versions	Slightly slower first run