NPM Vs NPX

What is NPM ?

NPM stands for Node Package Manager. It is a Javascript package manager and the default package manager for Node projects.

What is NPX ?

NPX stands for Node Package eXecute. It is simply an NPM package runner. It allows developers to execute any Javascript Package available on the NPM registry without even installing it.

Difference

NPM	NPX
NPM is a package manager used to install, delete, and update Javascript packages on your machine.	NPX is a package executer, and it is used to execute javascript packages directly, without installing them.
NPM installs packages globally, which means that your machine may be polluted by packages that are not required anymore in the long run.	NPX does not install packages, so package pollution on the machine is not a concern.
To use create-react-app using NPM, we would first have to install it globally, and then run it, which makes using NPM in such cases redundant.	The most common application of NPX is the create-react-app command. Since we only need to use it once, i.e., while initializing the project, we do not install it.

Frequently Asked Questions

1.   What exactly is NPX?

The npx stands for Node Package Execute and is included with npm; if you install npm above 5.2.0, npx will be installed automatically.

It's a npm package runner that can execute any package from the npm registry without ever installing it.

2. What is the advantage of NPX?

NPX allows you to run and use packages without having to install them locally or globally.

If a package is installed while using NPX to run NPM executables, NPX will search for the package binaries (locally or globally) and then run the package.

3. What is the difference between NPX and NPM medium?

NPM is a package management that is used to install, uninstall, and update Javascript packages on your workstation, whereas NPX is a package executer that is used to directly execute Javascript packages without installing them.

4. Does NPX install locally?

No, NPX does not locally install software. It enables you to run packages straight from the npm registry without installing them globally or locally, maintaining a clean and segregated execution environment.

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