**What is NPM?**

NPM stands for **Node Package Manager**. It is a Javascript package manager and the default package manager for Node projects. NPM is installed when NodeJS is installed on a machine. It comes with a command-line interface (CLI) used to interact with the online database of NPM. , and it hosts public and private 'packages.' To add or update packages, we use the NPM CLI to interact with this database.

Isaac Z. Schlueter developed NPM purely in Javascript. It was first released in November 2010. Ever since, NPM has had a lot of updates and has improved in terms of efficiency, speed and security.

**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. NPX is installed automatically with NPM version 5.2.0 and above.

To check whether or not NPX is installed on your machine, you can run the following command on the terminal:

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| --- |
| // This command checks for the version of NPX installed on your computer.  npx -v |
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**Difference between NPM vs NPX**

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| **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. |