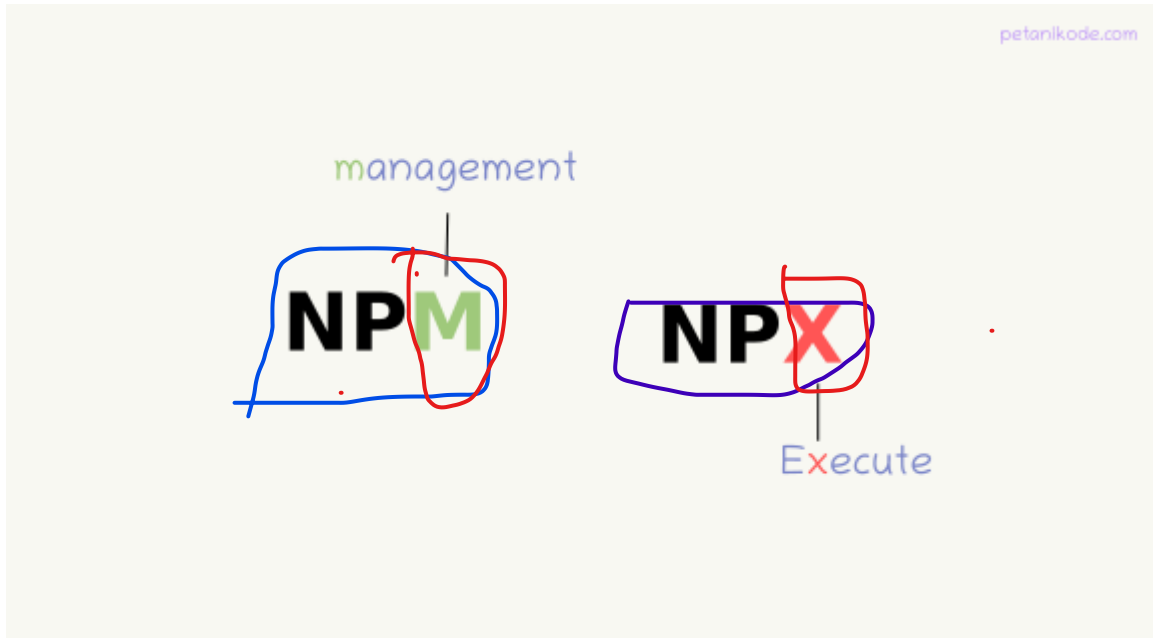


NPM Vs. NPX

Npm Vs. Npx

Node package manager

Node package Execute



NPM

The npm stands for **Node Package Manager**, and it is the default package manager for **Node.js**. It is written entirely in **JavaScript**; the **npm** manages all the packages and modules for node.js and consists of command-line client **npm**. It gets installed into the system with the **installation of node.js**. The required packages and modules in the Node project are installed using **npm**. A package contains all the files needed for a module, and modules are the JavaScript libraries that can be included in the Node project according to the requirement of the project.

npm all the consists node packages module and all the command line client. modules are the javascript libraries that can be include in the node project

Execute package with npm:

- **By typing the local path:** You have to write down the local path of your package like below:

```
./node_modules/.bin/your-package-name
```

- **Locally installed:** You have to open the **package.json** file and write down the below scripts:

```
{
  "name": "Your app",
  "version": "1.0.0",
  "scripts": {
    "your-package": "your-package-name"
  }
}
```

Running Package Using Npm:

After that, you can run your package by running the below command:

```
npm run your-package-name
```

What is the npx

Npx

The **npx** stands for **Node Package Execute**, and it comes with the **npm**. When you install npm above the **5.2.0 version**, then automatically, **npx** will **install**. It is an npm package runner that can execute any package that you want from the npm registry without even installing that package. The npx is helpful during a single time use package. If you have installed npm below 5.2.0, then npx is not installed in your system.

You can check npx is **installed** or not by running the following **command**:

```
npx -v
```

If npx is not installed, you can install that separately by running the below command.

```
npm install -g npx
```

Executing Package Using Npx:

You can execute your package without installation. To do so, run the following command.

```
npx your-package-name
```

what is the use of npx
npx is used for execute package

Difference Between Npm And Npx:

Npm	Npx
<ul style="list-style-type: none"> If you wish to run a package through npm then you have to specify that package in your package.json and install it locally. <p>Is not automatically install</p>	<ul style="list-style-type: none"> A package can be executable without installing the package, it is an npm package runner so if any packages aren't already installed it will install automatically. <p>It is the automatically install with npm</p>
<ul style="list-style-type: none"> To use create-react-app in npm the commands are npm install create-react-app then <code>create-react-app myApp</code>(Installation required). <p>create react app using npm so execute command npm install create-react-app</p>	<ul style="list-style-type: none"> But in npx you can use that without installing like npx create-react-app my-app, this command is required in every app's life cycle only once. <p>create react app using npx so execute command npx create-react-app my-app</p>
<ul style="list-style-type: none"> Npm is a tool that use to install packages. 	<ul style="list-style-type: none"> Npx is a tool that use to execute packages.
<ul style="list-style-type: none"> Packages used by npm are installed globally you have to care about pollution for the long term. 	<ul style="list-style-type: none"> Packages used by npx are not installed globally so you have to be carefree from the pollution for the long term.