

# What is NVM



what is nvm and how we use its

**NVM** stands for **Node Version Manager** — it's a tool that lets you **install, manage, and switch between multiple versions of Node.js** easily on your computer.

It's very useful because sometimes different projects require different Node.js versions.

## What NVM Does

- Install any version of Node.js
- Switch between Node versions instantly
- Set a default Node version
- Manage global npm packages per Node version

## How to Install NVM

### On Windows:

Use **nvm-windows**:

1. Go to the official repo: <https://github.com/coreybutler/nvm-windows> ↗
2. Download the **latest installer (nvm-setup.exe)**.
3. Run the setup and follow the instructions.
4. After installation, restart your terminal.

### On macOS / Linux:

Run this command in your terminal:

```
bash

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/master/install.sh | bash
```

Then reload your terminal:

```
bash

source ~/.bashrc
```

## Basic Commands

Command	Description
<code>nvm install 18</code>	Installs Node.js version 18
<code>nvm install --lts</code>	Installs the latest LTS (stable) version
<code>nvm use 18</code>	Switches to Node.js v18
<code>nvm list</code>	Shows all installed Node versions
<code>nvm uninstall 16</code>	Removes Node.js v16
<code>nvm alias default 18</code>	Sets Node.js v18 as the default version

## ✓ Example Usage

```
bash

nvm install 20
nvm use 20
node -v    # should show v20.x.x
```

Then if you need an older version for another project:

```
bash

nvm install 16
nvm use 16
node -v    # now shows v16.x.x
```

Would you like me to explain **how to use NVM for a React or Node.js project setup** step by step?