Node.js & Next.js Installation Guide

This guide walks through installing a specific version of Node.js (22.14.0) using NVM (Node Version Manager) and then setting up a new Next.js project. Using NVM is highly recommended as it allows you to manage multiple Node.js versions on the same machine.

Part 1: Install Node.js (v22.14.0) via NVM

1. Install NVM (Node Version Manager)

First, you need to install NVM. The most common way is using the official curl or wget script.

Using curl:

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.7/install.sh | bash

Or using wget:

wget -qO- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.7/install.sh | bash

(Note: It's always a good idea to check the [official NVM GitHub page](#) for the very latest install script.)

2. Activate NVM

After the script runs, you need to update your shell to recognize the nvm command. Close and reopen your terminal, or run the following command (for bash shells):

source ~/.bashrc

If you use zsh, you might need to run source ~/.zshrc.

3. Install Node.js v22.14.0

Now, use nvm to install the specific version you requested:

nvm install 22.14.0

4. Use the Installed Version

Tell nvm to use this version in your current shell:

nvm use 22.14.0

To make this the default version every time you open a new terminal, run:

nvm alias default 22.14.0

5. Verify Installation

Check that the correct versions of Node.js and npm (Node Package Manager, which comes with Node) are installed:

node -v

Expected Output: v22.14.0

npm -v

Expected Output: (A version number, e.g., 10.7.0)

Part 2: Install Next.js

Next.js is installed on a per-project basis using npx, which is included with npm.

1. Create a New Project

npx handles downloading and running the create-next-app package. Just run this command in the terminal (you don't need to create a folder first, the command will do it for you):

npx create-next-app@latest

2. Follow the Prompts

The installer will ask you a series of questions to set up your project:

- **What is your project named?** (e.g., my-next-app)
- **Would you like to use TypeScript?** (Yes/No)

- **Would you like to use ESLint?** (Yes/No)
- **Would you like to use Tailwind CSS?** (Yes/No)
- **Would you like to use src/ directory?** (Yes/No)
- **Would you like to use App Router?** (Yes/No - *Recommended: Yes*)
- **Would you like to customize the default import alias?** (Yes/No)

This will create a new folder with your project's name (e.g., my-next-app) and install all the necessary dependencies.

3. Run Your Next.js App

1. Navigate into your new project directory:
   cd my-next-app

   (Replace my-next-app with the project name you chose)
2. Start the development server:
   npm run dev

3. Open your web browser and go to http://localhost:3000 to see your new Next.js application running.