

Lesson:

Installing Node.js and npm for React Native Development on Windows



As a beginner in React Native development, one of the first steps is to install **Node.js** and **npm** (Node Package Manager) on your Windows system. Node.js and npm are essential tools for managing dependencies and running scripts in the React Native ecosystem. In this guide, we will walk you through the installation process and provide the necessary terminal commands for a seamless setup.

Step 1: Download Node.js Installer

To install Node.js and npm, follow these steps:

1. Visit the official Node.js website at nodejs.org.
2. On the homepage, you will find the "LTS" (Long-Term Support) version recommended for most users. Click the "Download" button to download the Node.js installer.
3. Once the installer is downloaded, locate the file and double-click it to run the installer.

Step 2: Installing Node.js and npm

Follow the instructions below to install Node.js and npm using the installer:

1. Run the Node.js installer by double-clicking the downloaded file.
2. The installer will guide you through the installation process. Leave the default settings as they are and click **"Next"** until you reach the **"Select Additional Tasks"** screen.
3. On the **"Select Additional Tasks"** screen, make sure to check the box that says **"Automatically install the necessary tools..."**. This will ensure that npm is installed along with Node.js.
4. Continue clicking **"Next"** and finally click **"Install"** to begin the installation process.
5. Wait for the installation to complete. This may take a few minutes.
6. Once the installation is finished, you will see a **"Completed"** status. Make sure to check the box that says **"Automatically install the necessary tools..."**. This will ensure that npm is installed along with Node.js.

Step 3: Verify the Installation

To verify that Node.js and npm are successfully installed, open the terminal and run the following commands:

```
1 node -v
```

This command will display the installed version of Node.js. You should see a version number such as **v14.17.1**.

```
1 npm -v
```

This command will display the installed version of npm. You should see a version number such as **6.14.13**.

If both commands return the version numbers, congratulations! You have successfully installed Node.js and npm on your Windows system.

Conclusion

Installing Node.js and npm is a crucial step in setting up your development environment for React Native on Windows. By following the steps outlined in this guide and running the terminal commands to verify the installation, you can ensure that you have the necessary tools to kickstart your React Native journey. Now, you are ready to create amazing cross-platform mobile applications using React Native and leverage the power of the JavaScript ecosystem. Happy coding!

