

Exercise (Instructions): Setting up Node.js and NPM

Note: Make sure you have installed Git on your machine before you install Node.js. Please complete the previous Git installation exercise before proceeding with this exercise.

Objectives and Outcomes

In this exercise, you will learn to set up the Node.js environment, a popular Javascript based server framework, and node package manager (NPM) on your machine. To learn more about NodeJS, you can visit <https://nodejs.org>. For this course, you just need to install Node.js on your machine and make use of it for running some front-end tools. You will learn more about the server-side support using Node.js in a subsequent course. At the end of this exercise, you will be able to:

- Complete the set up of Node.js and NPM on your machine
- Verify that the installation was successful and your machine is ready for using Node.js and NPM.

Installing Node

- To install Node on your machine, go to <https://nodejs.org> and click on the Download button. Depending on your computer's platform (Windows, MacOS or Linux), the appropriate installation package is downloaded.
- As an example, on a Mac, you will see the following web page. Click on the Download button. Follow along the instructions to install Node on your machine. (Note: Now Node gives you the option of installing a mature and dependable LTS version and a more newer stable version. You should to install the LTS version. I will use this version in the course.)

Note: On Windows machines, you may need to configure your PATH environmental variable in case you forgot to turn on the add to PATH during the installation steps.

Verifying the Node Installation

- Open a terminal window on your machine. If you are using a Windows machine, open a cmd window or PowerShell window with **admin** privileges.
- To ensure that your NodeJS setup is working correctly, type the following at the command prompt to check for the version of **Node** and **NPM**

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Node.js® is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#). Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, [npm](#), is the largest ecosystem of open source libraries in the world.

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8.11.1 LTS

Recommended For Most Users

9.10.1 Current

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```
1  node -v
2
3  npm -v
```

Conclusions

At the end of this exercise, your machine is now ready with the Node installed for further development. We will examine web development tools next.