

# Installing NVM on Mac

## 01 - Prerequisite

Starting with MacOS 10.9, Xcode command line tools must be installed, prior to installing NVM.

### 01a - Check your system:

1. Open Terminal with Command + spacebar.
2. Type "Terminal", press Enter.
3. Type "xcode-select -p", press Enter.
4. If "/Library/Developer/CommandLineTools" is returned, you can move to step 02.

### 01b - Installing XCode

If nothing or a different message is returned, you need to install XCode.

1. Open the App Store app on your Mac, Command + Spacebar.
2. Type "App Store", when "App Store.app" appears, press Enter.
3. Click in the search bar (top left corner), type "xcode", press Enter.
4. When the results appear, click "Get" for Xcode.
5. It should download and install into your system.

## 02 - GitHub Installation

1. Go to <https://github.com/nvm-sh/nvm>.
2. Scroll down to the "Installing and Updating" heading.
3. Locate the curl Install and update script and click the copy icon on the right.

**Install & Update Script**  
To install or update nvm, you should run the [install script](#). To do that, you may either download and run the script manually, or use the following cURL or Wget command:  

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

4. Open the terminal (Command + spacebar, type "terminal", press Enter).
5. Paste the script into the terminal, press Enter.
6. Expect the installation process to take ~ 15 seconds, depending on your Internet connection.
7. When the process is complete, close and reopen the terminal.
8. Type "nvm -V", press Enter. A long list of nvm commands will appear. This means nvm is installed and ready to be used.
9. If an error appears, return to the github location and scroll down to the "Troubleshooting on macOS" section and see if you can identify your error and how to deal with it.

## 03 – Install the Long Term Support (LTS) version of NodeJS

1. In the terminal, type "nvm install --lts", press Enter.
2. A message should appear indicating the version number of node being downloaded.
3. When done, a message will appear like "Now using node v20.11.0 (npm v10.2.4)".

## **04 – Installing and using a different Node version**

If you need to download and use a different version of Nodejs, do the following:

1. Open the terminal.
2. Type “nvm install version number” (e.g. nvm install 19), press Enter.
3. When done, you will see a message like “Now using node v19.9.0 (npm v9.6.3)”.

### **04a – List all versions of Node that are available to install**

1. Open the terminal.
2. Type “nvm ls-remote”, press Enter.
3. The list will appear.
4. Repeat the installation steps, using the version number as needed.

## **05 - List Node Versions Installed on your computer**

1. Open the terminal as an administrator.
2. Type “nvm ls”, press Enter.
3. A list of all installed versions of Node, that NVM is tracking, appears.
4. To see the current version of Node, type “node -v”, press Enter.

## **06 - Switch Node Versions**

If needing a different Node version for another project, just switch after opening the project.

1. In VS Code, or any tool, open the project.
2. Open a terminal and type, “nvm use version number” (appropriate to your required node version), press “Enter”.
3. You should now be switched to that version of Node.