

Last login: Fri Jun 28 11:00:44 on tty000  
ssaranya@SSs-MacBook-Pro ~ % source ~/.zshrc  
ssaranya@SSs-MacBook-Pro ~ % brew doctor  
Your system is ready to brew.  
ssaranya@SSs-MacBook-Pro ~ %

Homebrew Install Prerequisites

Step 1 — Using the macOS Terminal

Step 2 — Installing Xcode's Command Line Tools

Step 3 — Installing and Setting Up Homebrew

Step 4 — Installing, Upgrading, and Removing Packages

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Step 4 – Installing, Upgrading, and Removing Packages

Now that Homebrew is installed, use it to download a package. The `tree` command lets you see a graphical directory tree and is available via Homebrew.

Install `tree` with the `brew install` command:

```
$ brew install tree
```

Homebrew will update its list of packages and then download and install the `tree` command:

```
Output
Updating Homebrew...

=> Downloading https://homebrew.bintray.com/bottles/tree-1.8.0.catalina.bottle.tar.gz
##### 100.0%
=> Pouring tree-1.8.0.catalina.bottle.tar.gz
/usr/local/Cellar/tree/1.8.0: 8 files, 117.2KB
```

Homebrew installs files to `/usr/local` by default, so they won't interfere with future macOS updates. Verify that `tree` is installed by displaying the command's location with the `which` command:

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MANAGE CHOICES

[ -s "\$NVM\_DIR/nvm.sh" ] && \. "\$NVM\_DIR/nvm.sh" # This loads nvm  
ssaranya@SSs-MacBook-Pro ~ % nvm install 20  
zsh: no such file or directory: nvm.sh  
ssaranya@SSs-MacBook-Pro ~ % [ -s "\$NVM\_DIR/nvm.sh" ] && \. "\$NVM\_DIR/nvm.sh"  
command 'nvm' not found  
ssaranya@SSs-MacBook-Pro ~ % nvm install 20  
zsh: command not found: nvm  
ssaranya@SSs-MacBook-Pro ~ % NVM\_DIR="\$HOME/.nvm"  
[ -s "\$NVM\_DIR/nvm.sh" ] && \. "\$NVM\_DIR/nvm.sh"  
ssaranya@SSs-MacBook-Pro ~ % nvm install 20  
Downloading and installing node v20.15.0...  
Downloading https://nodejs.org/dist/v20.15.0/node-v20.15.0-darwin-x64.tar.xz...  
##### 100.0%  
Computing checksum with sha256 -a 256  
Checksums matched!  
Now using node v20.15.0 (npm v10.7.0)  
Creating default alias: default -> 20 (-> v20.15.0)  
ssaranya@SSs-MacBook-Pro ~ % node -v  
v20.15.0  
ssaranya@SSs-MacBook-Pro ~ % npm -v  
10.7.0  
ssaranya@SSs-MacBook-Pro ~ %

nodejs.org/en/download/package-manager

Download Node.js®

Download Node.js the way you want.

Package Manager Prebuilt Installer Prebuilt Binaries Source Code

Install Node.js v20.15.0 (LTS) on macOS using nvm

```
1 # installs nvm (Node Version Manager)
2 curl --proto=https --tlsv1.2 -o- https://raw.githubusercontent.com/nvm-sh/nvm/v20.15.0/install.sh | bash
3
4 # download and install Node.js (you may need to restart the terminal)
5 nvm install 20
6
7 # verifies the right Node.js version is in the environment
8 node -v # should print 'v20.15.0'
9
10 # verifies the right NPM version is in the environment
11 npm -v # should print '10.7.0'
```

Bash Copy to clipboard

Package managers and their installation scripts are not maintained by the Node.js project.  
If you encounter issues, please reach out to the package manager's maintainers.

Node.js includes npm (10.7.0) >

Read the changelog for this version >

Read the blog post for this version >

Learn how to verify signed SHASUMS >

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Download Java for macOS

Recommended Version 8 Update 411 (filesize: 88.89 MB)  
Release date: April 16, 2024

### Important Oracle Java License Information

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If you are running on an M series system (ARM64), download the ARM64 version of the JRE .

When your Java installation completes, you may need to **reload** (Command+R) or **quit** (Command+Q) your browser in order to enable Java in your browser.

```
[ssaranya@Ss-MacBook-Pro ~ % echo $JAVA_HOME  
[ssaranya@Ss-MacBook-Pro ~ % nano ~/.bas_profile  
[ssaranya@Ss-MacBook-Pro ~ % nano ~/.bash_profile  
[ssaranya@Ss-MacBook-Pro ~ % source ~/.bash_profile  
ssaranya@Ss-MacBook-Pro ~ % echo $ANDROID_HOME  
  
/Users/ssaranya/Library/Android/sdk  
ssaranya@Ss-MacBook-Pro ~ % /usr/libexec/java_home  
  
/Library/Java/JavaVirtualMachines/jdk-22.jdk/Contents/Home  
[ssaranya@Ss-MacBook-Pro ~ % nano ~/.bash_profile  
[ssaranya@Ss-MacBook-Pro ~ % source ~/.bash-profile  
source: no such file or directory: /Users/ssaranya/.bash-profile  
ssaranya@Ss-MacBook-Pro ~ % echo $JAVA_HOME  
  
/Library/Java/JavaVirtualMachines/jdk-22.jdk/Contents/Home
```

```
m.root-servers.net.
```

```
[ssaranya@Ss-MacBook-Pro ~ % dig +short www.practo.com
webconf-cloudflare-alias.practo.com.
webconf-cloudflare-alias.practo.com.cdn.cloudflare.net.
104.18.0.128
104.18.1.128
ssaranya@Ss-MacBook-Pro ~ %
```

