

# Installing and Using NVM on Mac, Linux, and Windows: A Step-by-Step Guide

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## Introduction

- Node Version Manager (NVM) is a useful tool that allows you to easily manage multiple Node.js installations on your computer. With NVM, you can quickly switch between different Node.js versions, install new ones, and manage dependencies.
- In this document, we will guide you through the process of installing NVM on Mac, Linux, and Windows operating systems. We will also cover some basic NVM commands to help you get started.

## Installing NVM on Mac

To install NVM on Mac, follow these steps:

1. Open a terminal window by pressing Command+Space, type Terminal, and then press Enter.
2. Install Homebrew, a popular package manager for Mac, by running the following command in the terminal: `/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"`
3. Verify that Homebrew is installed correctly by running the following command: `brew -version`
4. Use Homebrew to install NVM by running the following command in the terminal: `brew install nvm`

5. Configure NVM with the shell system by running the following command:

```
source $(brew --prefix nvm)/nvm.sh
```

6. Verify that NVM is installed correctly by running the following command:

```
nvm --version
```

## Installing NVM on Linux

To install NVM on Linux, follow these steps:

1. Open a terminal window.
2. Install NVM by running the following command in the terminal: 

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.0/install.sh | bash
```
3. Close and reopen the terminal to reload the configuration files.
4. Verify that NVM is installed correctly by running the following command: 

```
nvm --version
```










## Installing NVM on Windows

NVM is mostly supported on Linux and Mac. It doesn't have support for Windows. nvm-windows, however, is a comparable utility developed by coreybutler to offer a nvm experience in Windows.

To install NVM on Windows, follow these steps:

1. Download and run the NVM Windows installer from the following GitHub repository: <https://github.com/coreybutler/nvm-windows/releases>
2. Follow these instructions to complete the installation:  
Use the link > Go to Assets > use **nvm-setup.exe** (install it) as shown in the following image.

▼ Assets 9

 nvm-noinstall.zip	4.58 MB	Apr 13
 nvm-noinstall.zip.checksum.txt	34 Bytes	Apr 13
 nvm-setup.exe	5.47 MB	Apr 13
 nvm-setup.zip	4.97 MB	Apr 13
 nvm-setup.zip.checksum.txt	34 Bytes	Apr 13
 nvm-update.zip	4.07 MB	Apr 13
 nvm-update.zip.checksum.txt	34 Bytes	Apr 13
 Source code (zip)		Apr 13
 Source code (tar.gz)		Apr 13

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3. Open a new command prompt window.
4. Verify that NVM is installed correctly by running the following command:

```
nvm --version
```

## Basic NVM Commands

Once you have installed NVM, you can use the following commands to manage your Node.js installations:

- To list all the available Node.js versions:  

```
nvm ls-remote
```
- To install a specific Node.js version:  

```
nvm install <version>
```
- To switch to a different Node.js version:  

```
nvm use <version>
```
- To set a default Node.js version to use in new shells:  

```
nvm alias default <version>
```