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Como instalar e usar o NVM no Windows

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NVM ou Gerenciador de Versões de Nós é uma ferramenta de linha de comando que permite aos desenvolvedores gerenciar múltiplas versões de Node.js em uma única máquina. Essa função oferece a flexibilidade de trabalhar em diferentes projetos e versões do Node.js. Neste guia, vamos guiá-lo pelos passos para instalar e usar o NVM no sistema operacional Windows.

Pré-requisitos:

- *Windows 11, 10, 8 ou 7*
- *Direitos Administrativos*

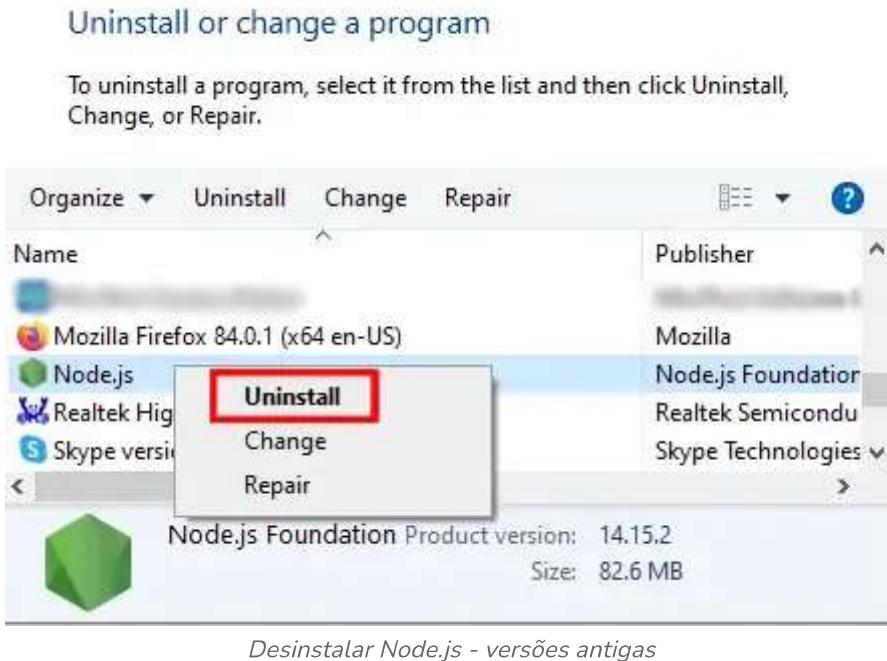
Nota: É recomendado desinstalar Node.js se seu sistema já tiver um.

Desinstalar Node.js do Windows

Isso garantirá que não haja conflitos durante a instalação limpa do Node.js

Passo 1: Desinstale Node.js

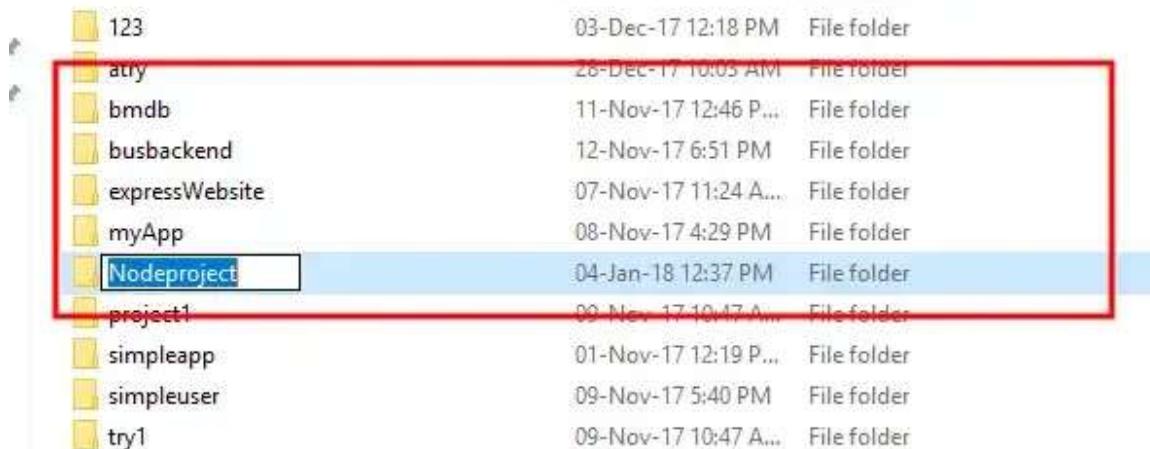
Navegue até o Painel de Controle > Programas > Programas e Recursos e localize Node.js, selecione e clique para **Desinstalar** os arquivos.



Desinstalar Node.js - versões antigas

Passo 2: Remover Arquivos Residuais

Exclua a pasta Node.js do **C:\Program Files** e remova as pastas **npm** e **npm-cache** do **C:\Users\ThisPC\AppData\Roaming**



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[Remover Arquivos Residuais](#)

Instalação do NVM no Windows

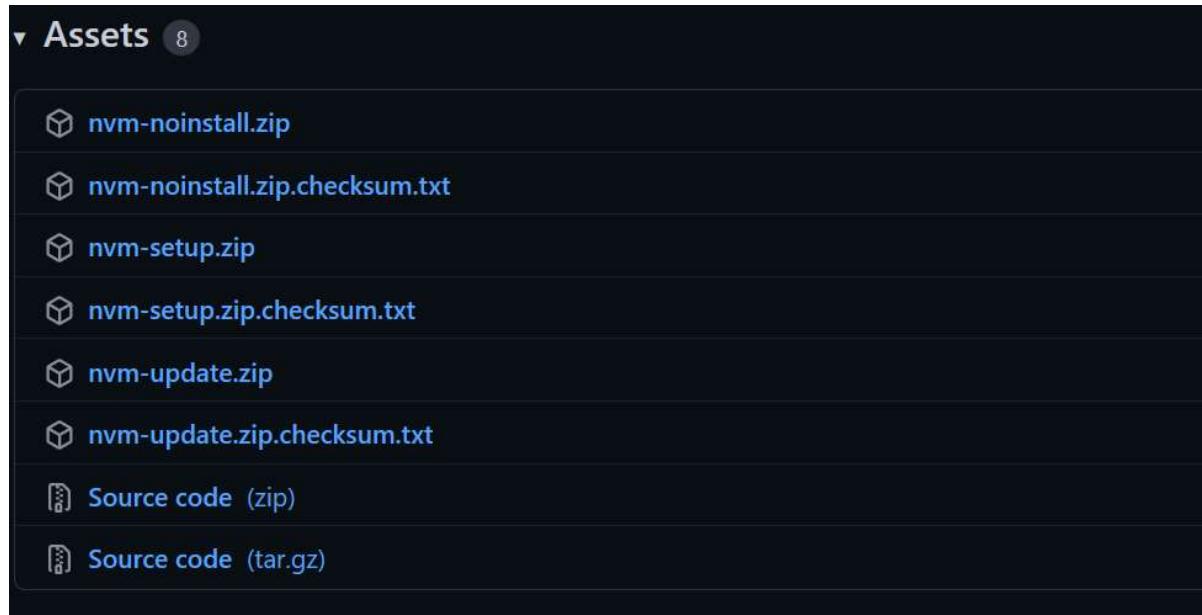
Neste artigo, aprenderemos como instalar NVM para Windows. Siga os passos abaixo:

Passo 1: Baixe o Instalador

Baixe a nvm-setup.zip na tabela de ativos localizada [aqui](#).

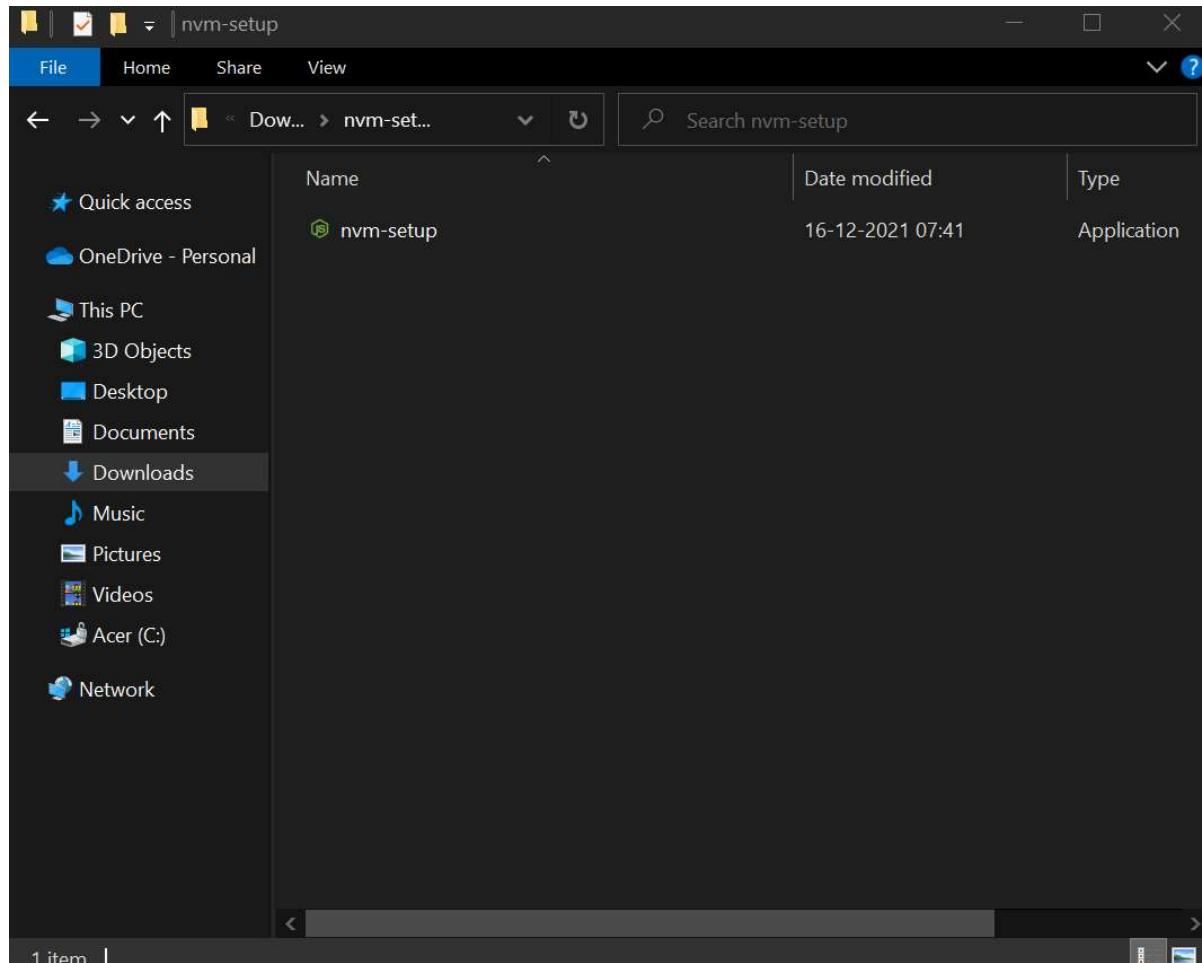
Descompacte/extrai o conteúdo (o arquivo Zip deve estar presente na

pasta Downloads ou no destino que você escolheu para baixar) extraindo-o para o nvm-setup.



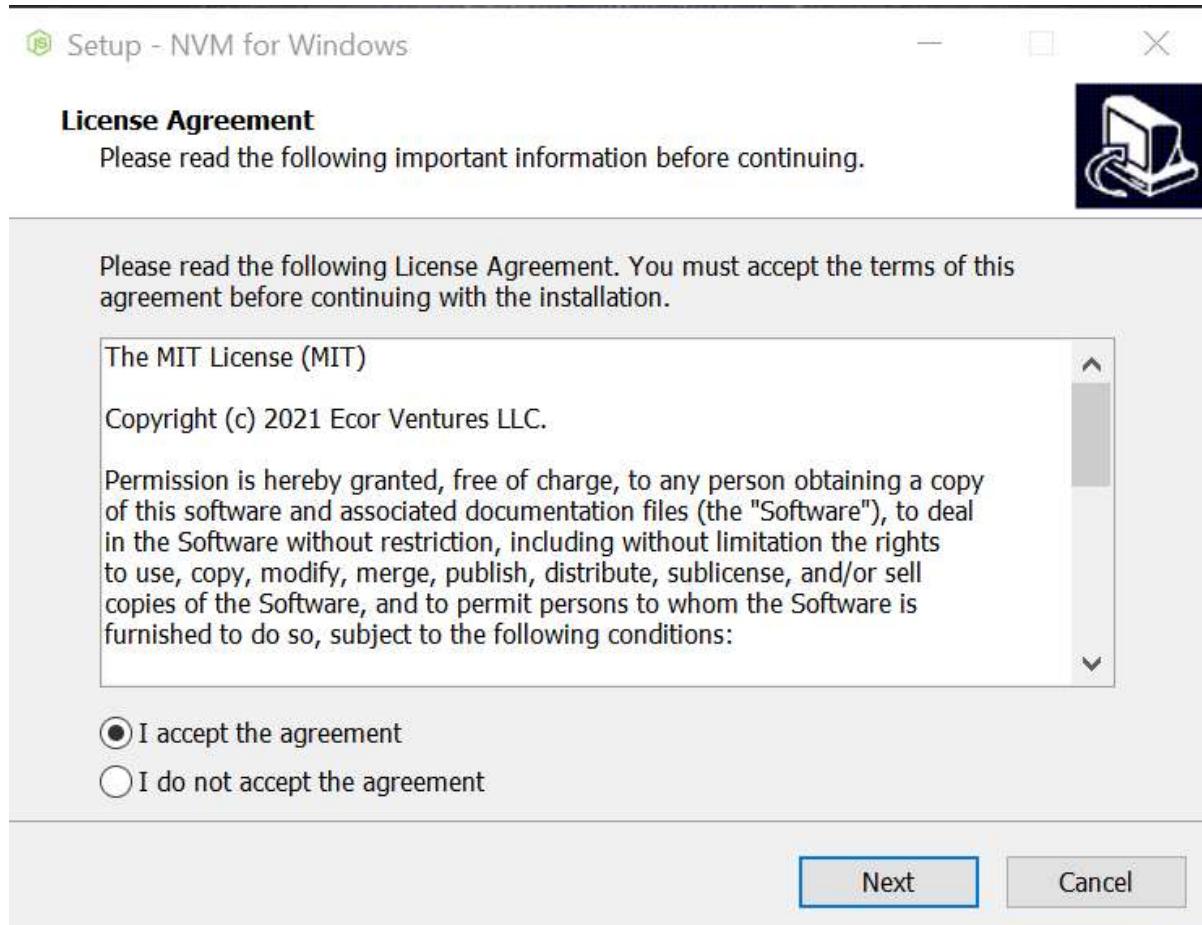
Passo 2: Abra o Arquivo Baixado

Na pasta nvm-setup, clique duas vezes no arquivo chamado **nvm-setup.exe** conforme mostrado abaixo.



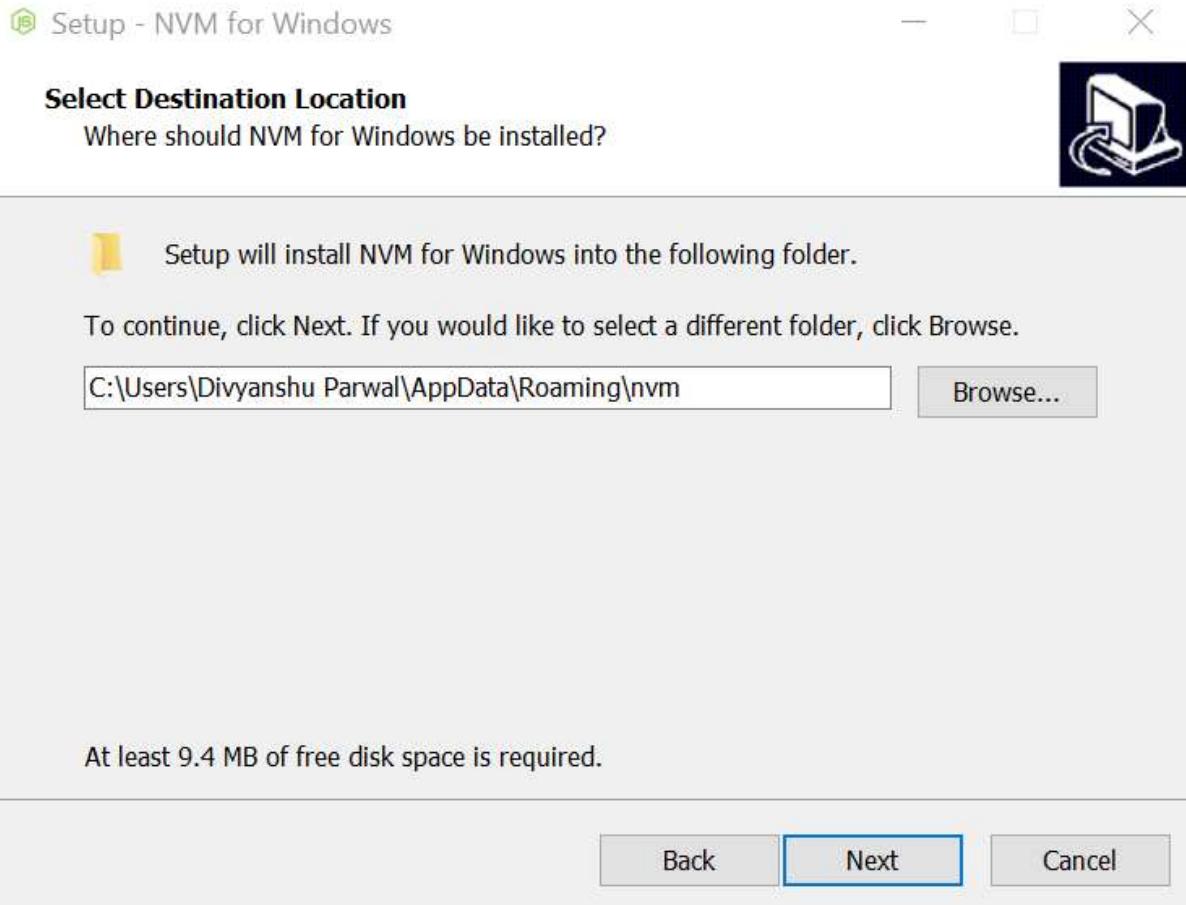
Passo 3: Leia e Aceite o Contrato de Licença

Escolha a **opção 'Eu aceito o acordo'** e clique em Próximo para prosseguir com a instalação.



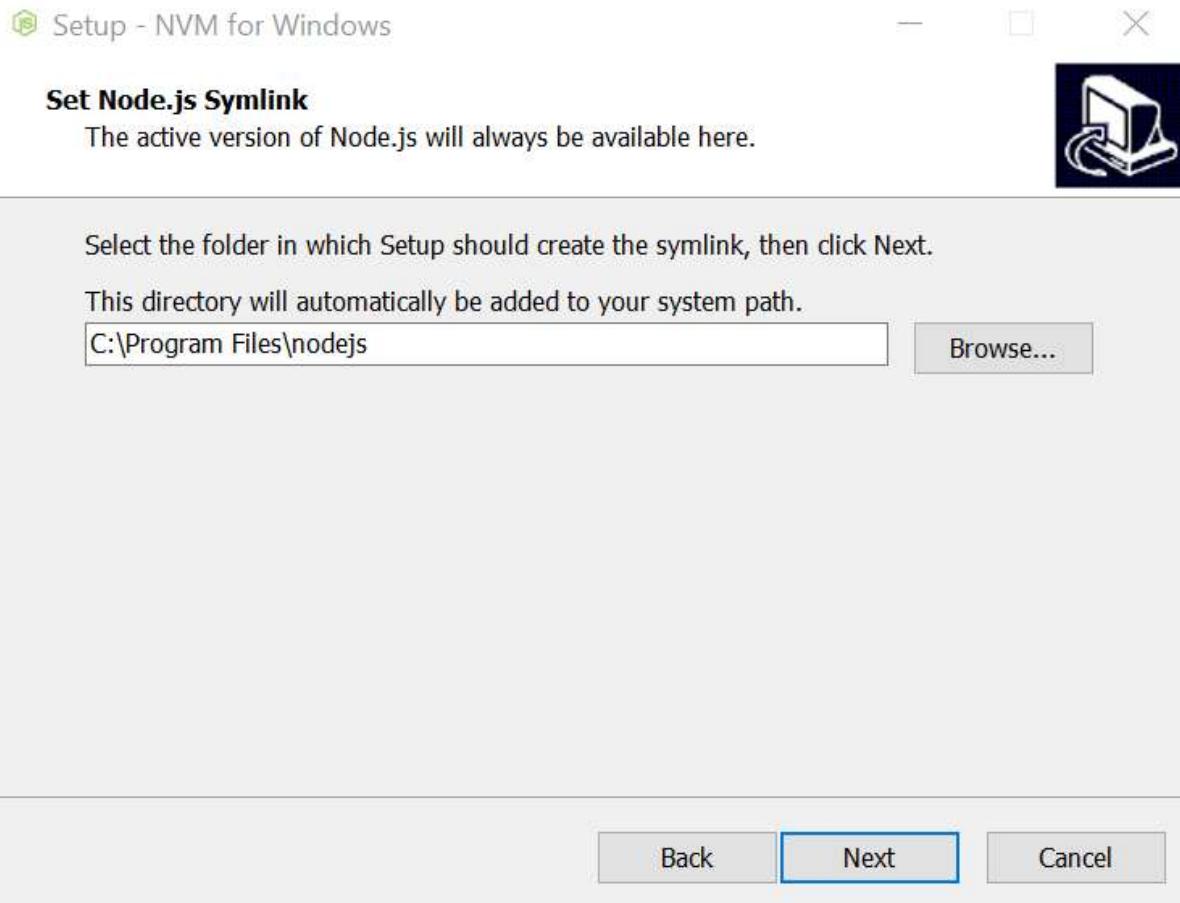
Step 4: Choose the Path to Finish the Installation Process

Now, select the destination to install and click on Next.



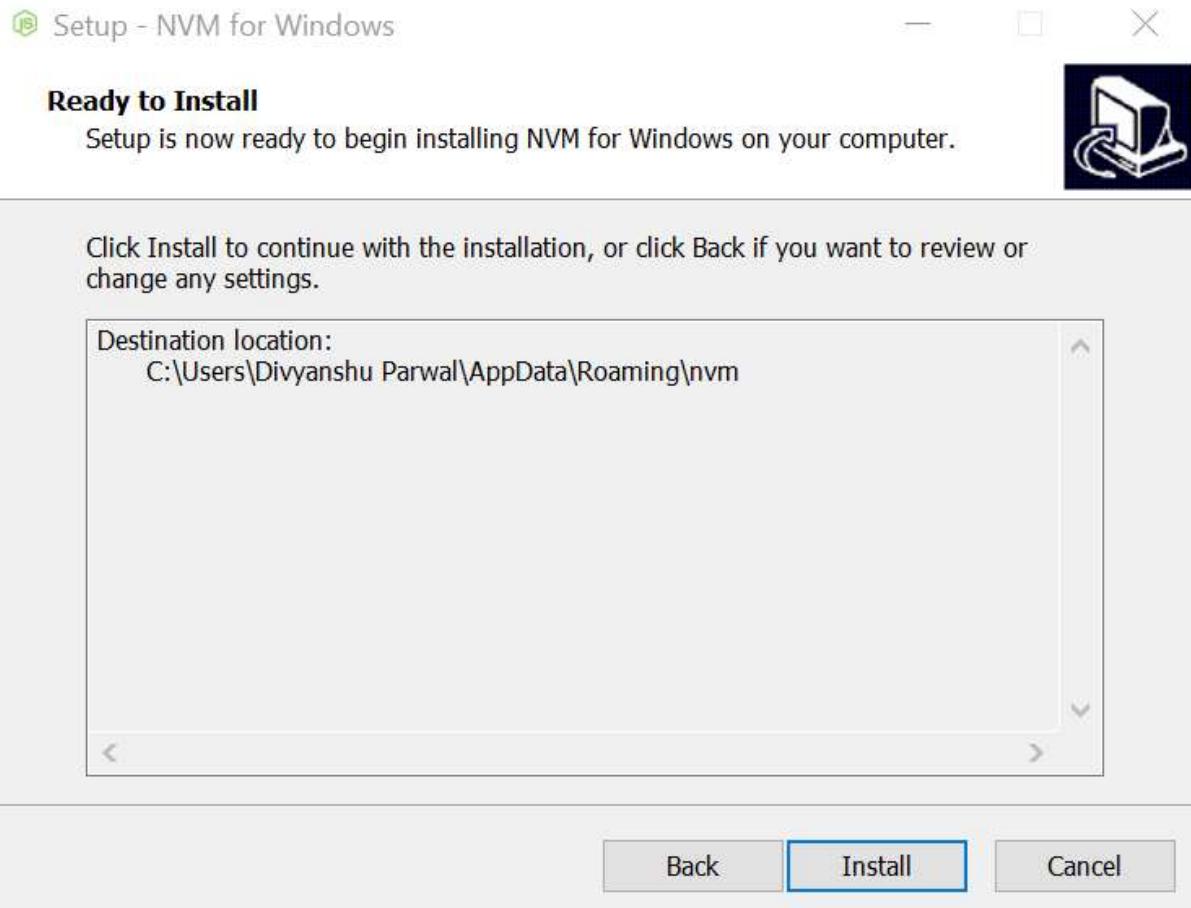
Step 5: Choose a Extraction Folder

Select the folder in which setup should create the Node.js symlink, then click Next.



Step 6: Ready to Install

Click on the **Install** button and once it completes, click on the **Finish** button.



Step 7: Verify the Installation

Confirm NVM is installed successfully by typing the following command in the terminal

```
nvm -v
```

Output:

```

Command Prompt
Microsoft Windows [Version 10.0.19043.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Divyanshu Parwal>nvm -v

Running version 1.1.9.

Usage:

nvm arch : Show if node is running in 32 or 64 bit mode.
nvm current : Display active version.
nvm install <version> [<arch>] : The version can be a specific version, "latest" for the latest current version, or "lts" for the most recent LTS version. Optionally specify whether to install the 32 or 64 bit version (defaults to system arch). Set [<arch>] to "all" to install 32 AND 64 bit versions.
          Add --insecure to the end of this command to bypass SSL validation of the remote download server.
nvm list [available] : List the node.js installations. Type "available" at the end to see what can be installed. Aliased as ls.
nvm on : Enable node.js version management.
nvm off : Disable node.js version management.
nvm proxy [<url>] : Set a proxy to use for downloads. Leave [<url>] blank to see the current proxy.
          Set [<url>] to "none" to remove the proxy.
nvm node_mirror [<url>] : Set the node mirror. Defaults to https://nodejs.org/dist/. Leave [<url>] blank to use default url.
nvm npm_mirror [<url>] : Set the npm mirror. Defaults to https://github.com/npm/cli/archive/. Leave [<url>] blank to default url.
nvm uninstall <version> : The version must be a specific version.
nvm use [<version>] [<arch>] : Switch to use the specified version. Optionally use "latest", "lts", or "newest".
          "newest" is the latest installed version. Optionally specify 32/64bit architecture.
          nvm use <arch> will continue using the selected version, but switch to 32/64 bit mode.
nvm root [<path>] : Set the directory where nvm should store different versions of node.js.
          If <path> is not set, the current root will be displayed.
nvm version : Displays the current running version of nvm for Windows. Aliased as v.

C:\Users\Divyanshu Parwal>

```

Install Node.js Versions Using NVM

Now, we will Install node.js versions using NVM for Windows OS.

1. List all Available Versions

This command will provide the list of all available [Node.js versions](#):

```
nvm list available
```

2. Install Any Specific Versions

If you want to install any specific Nodejs version, run this command:

```
nvm install 21.7.3
```

3. Use any Specific Version

If you wish to work on any specific Node.js version, use this command:

```
nvm use 23.7.0
```

4. Set a Default Version

Use the following command to set a default Node.js version:

```
nvm alias default 23.7.0
```

Verify the Node.js Versions Using NVM

1. Check Node.js Version

This command will display the current Node.js version that you're using:

```
node -v
```

2. Check NPM Version

The following command will [display the NPM](#) version associated with the current Node.js version.

```
npm -v
```

Conclusion

By following this guide, you can easily manage multiple Node.js versions on your Windows computer using [NVM](#). In this guide, we've installation, uninstallation, verify the [NPM for Windows](#). This guide is helpful especially for those who are looking to work on different Node.js versions.

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