

Installation of Node.js on Windows

Setting up the Node Development Environment

The Node can be installed in multiple ways on a computer. The approach used by you depends on the existing development environment in the system. There are different package installers for different environments. You can install Node by grabbing a copy of the source code and compiling the application. Another way of installing Node is by cloning the GIT repository in all the three environments and then installing it on the system.

Installing Node On Windows (WINDOWS 10):

You have to follow the following steps to install the Node.js on your Windows :

Step-1: Downloading the Node.js '.msi' installer.

The first step to install Node.js on windows is to download the installer. Visit the official Node.js website i.e) <https://nodejs.org/en/download/> and download the .msi file according to your system environment (32-bit & 64-bit). An MSI installer will be downloaded on your system.

Downloads

Latest LTS Version: **10.15.3** (includes npm 6.4.1)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

	LTS Recommended For Most Users	Current Latest Features
Windows Installer	node-v10.15.3-x86.msi	node-v10.15.3-x86.msi
macOS Installer	node-v10.15.3.pkg	node-v10.15.3.pkg
Source Code	node-v10.15.3.tar.gz	node-v10.15.3.tar.gz

Windows Installer (.msi)	32-bit	64-bit
Windows Binary (.zip)	32-bit	64-bit
macOS Installer (.pkg)	64-bit	
macOS Binary (.tar.gz)	64-bit	

Step-2: Running the Node.js installer.

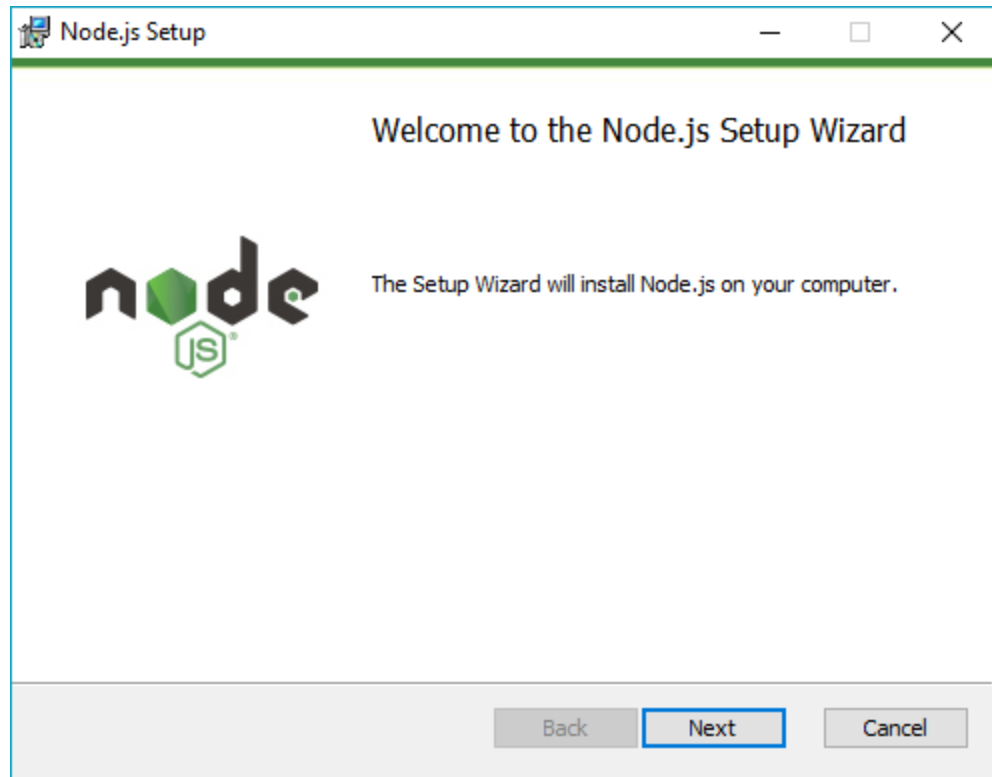
Now you need to install the node.js installer on your PC. You need to follow the following steps for the Node.js to be installed:-

- Double click on the .msi installer.

The Node.js Setup wizard will open.

- Welcome To Node.js Setup Wizard.

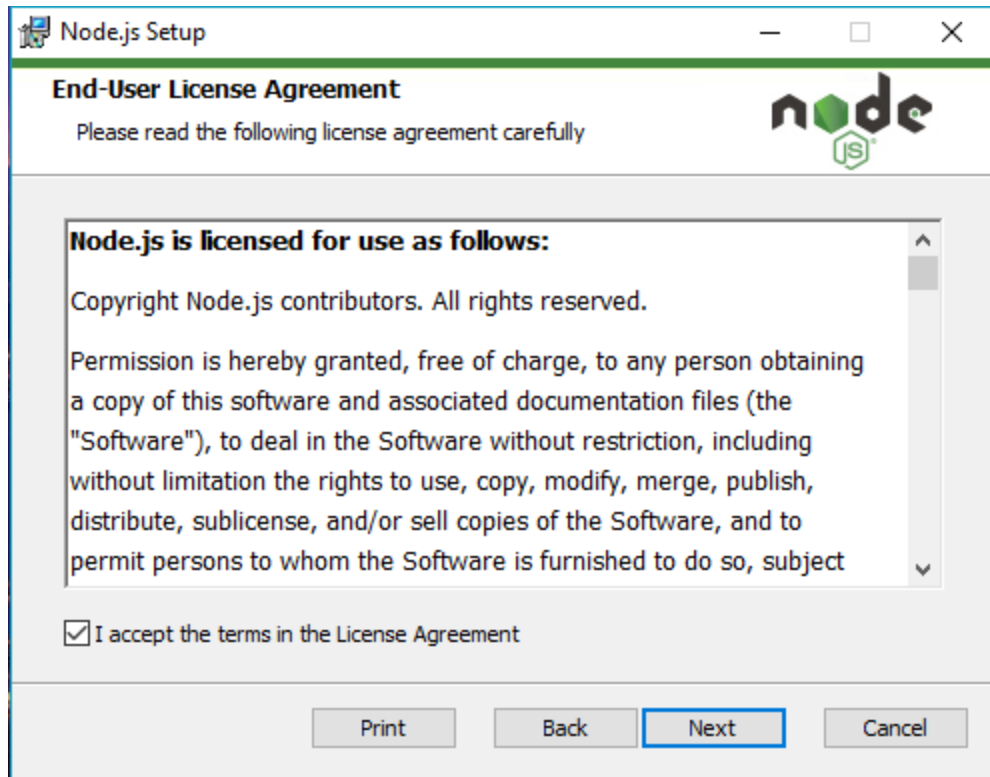
Select “Next”



-
- After clicking “Next”, End-User License Agreement (EULA) will open.

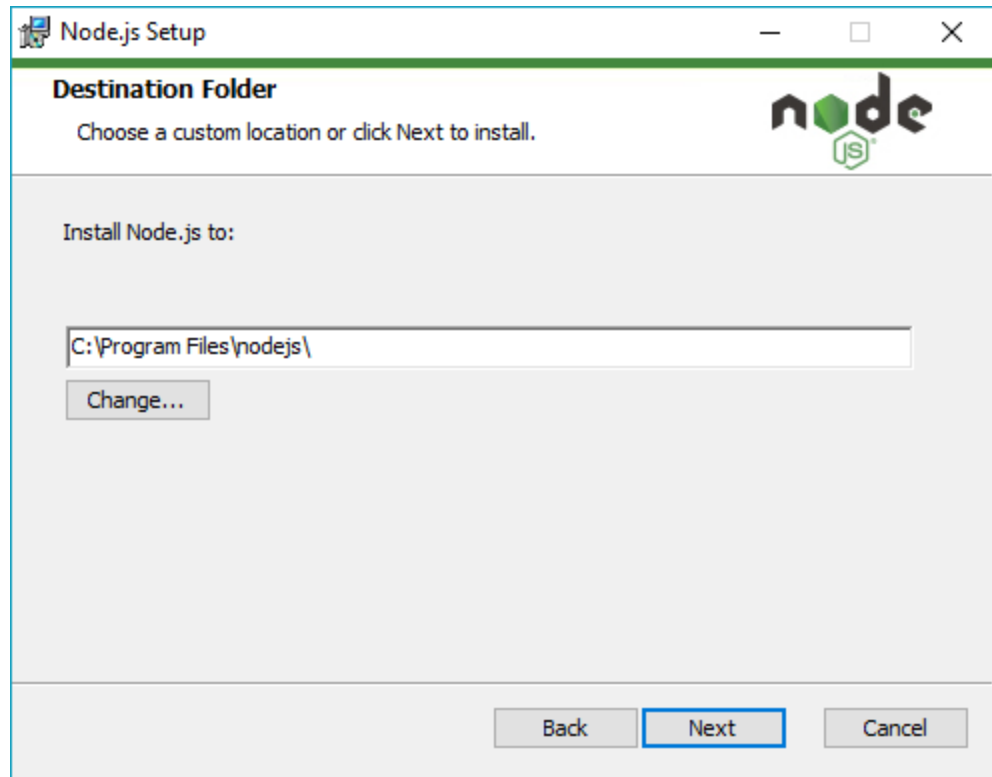
Check “I accept the terms in the License Agreement”

Select “Next”



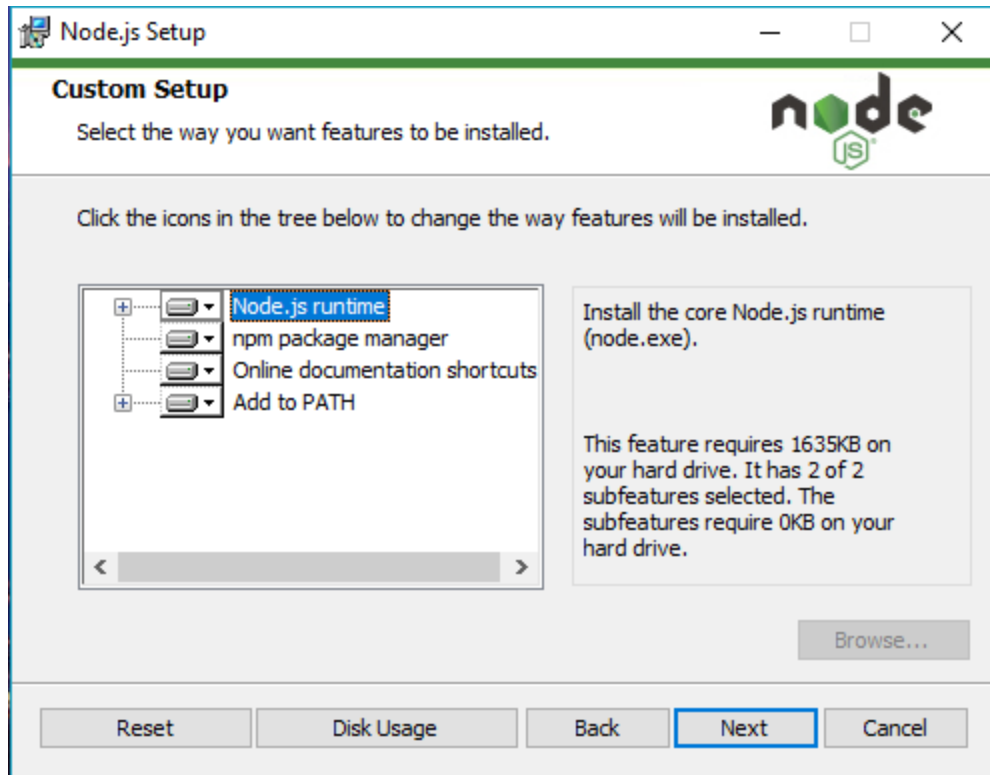
-
- Destination Folder

Set the Destination Folder where you want to install Node.js & Select “Next”



-
- *Custom Setup*

Select "Next"

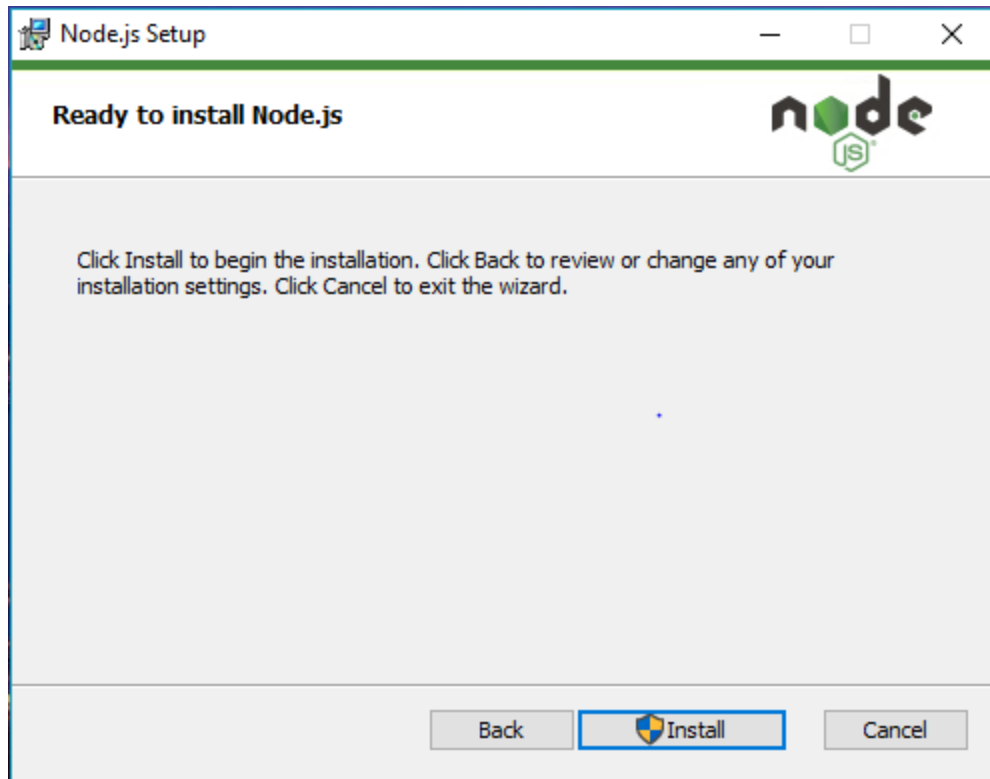


-
- Ready to Install Node.js.

The installer may prompt you to “install tools for native modules”.

For more information on whether you need this, see [here](#).

Select “Install”

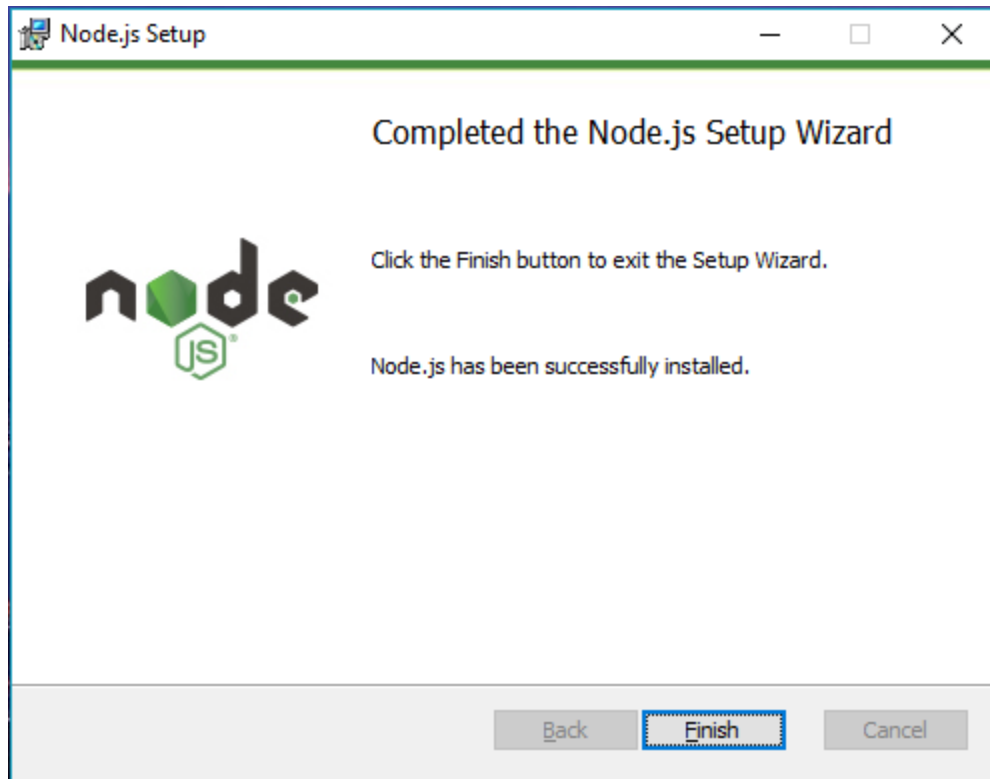


-
- Installing Node.js.

Do not close or cancel the installer until the install is complete

- Complete the Node.js Setup Wizard.

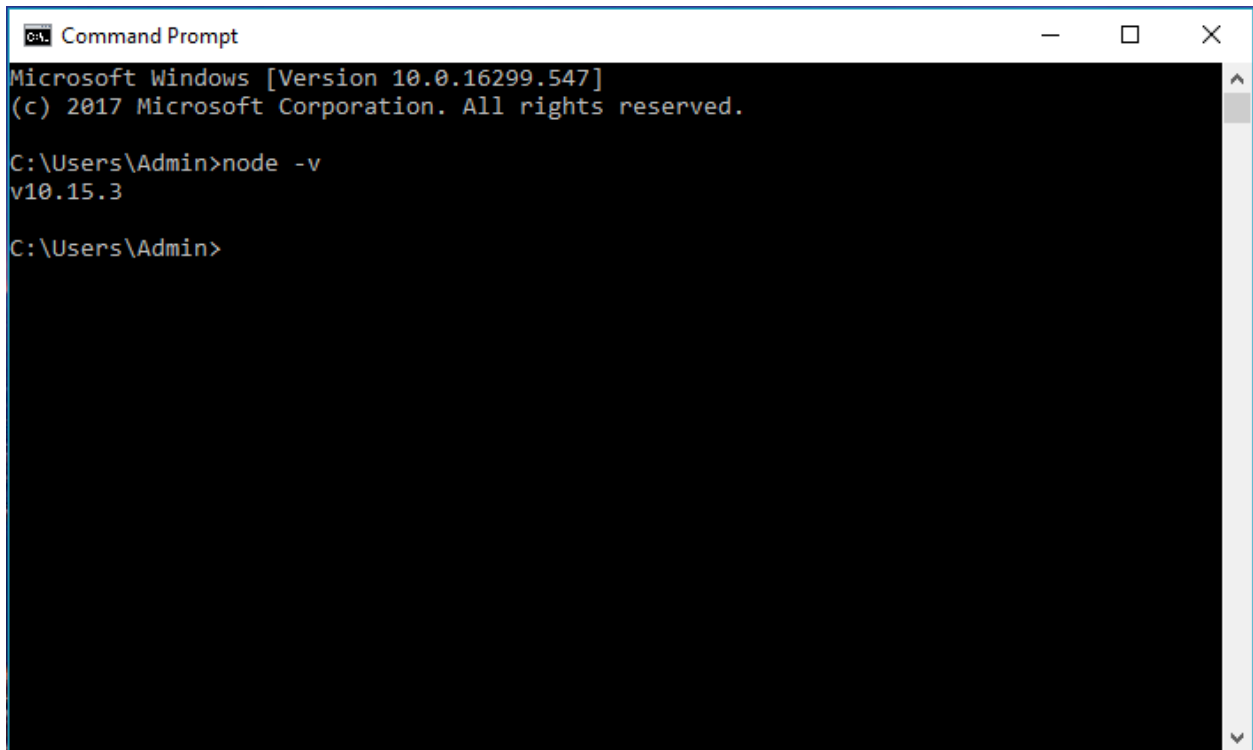
Click “Finish”



Step 3: Verify that Node.js was properly installed or not.

To check that node.js was completely installed on your system or not, you can run the following command in your command prompt or Windows Powershell and test it:-

```
C:\Users\Admin> node -v
```


A screenshot of a Windows Command Prompt window. The title bar reads 'Command Prompt'. The window content shows the following text: 'Microsoft Windows [Version 10.0.16299.547]', '(c) 2017 Microsoft Corporation. All rights reserved.', 'C:\Users\Admin>node -v', 'v10.15.3', and 'C:\Users\Admin>'. The background is black, and the text is white. A vertical scrollbar is visible on the right side of the window.

```
Microsoft Windows [Version 10.0.16299.547]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Admin>node -v
v10.15.3

C:\Users\Admin>
```

If node.js was completely installed on your system, the command prompt will print the version of the node.js installed.

If you get a message back saying node was not found, then add it to the path manually:

Adding to the path:

You should not need to do anything to the system variables, as the windows installer takes care of the system variables itself while installing through the .msi installer.

If you use any other format for installing node.js on your PC, you should put the system variable path for node.js as follows:

```
PATH : C:\Users\{username}\AppData\Roaming\npm C:\Program  
Files\{path to the nodejs folder}
```

for example:

```
PATH : C:\Users\admin\AppData\Roaming\npm C:\Program  
Files\nodejs
```

Note: After adding to the PATH, restart the command line, because PATH is only loaded when initializing new command line sessions.

Step 4: Updating the Local npm version.

The final step in node.js installed is the updation of your local npm version(if required) – the package manager that comes bundled with Node.js.

You can run the following command, to quickly update the npm

```
npm install npm -global // Updates the 'CLI' client
```

Installation of Node.js on Linux

Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js can be installed in multiple ways on your Ubuntu Linux machine. You can use **Ubuntu's official repository** to install Node.js or another way to use **NodeSource repository**. Installation via NodeSource repository will allow you to choose latest version of Node.js.

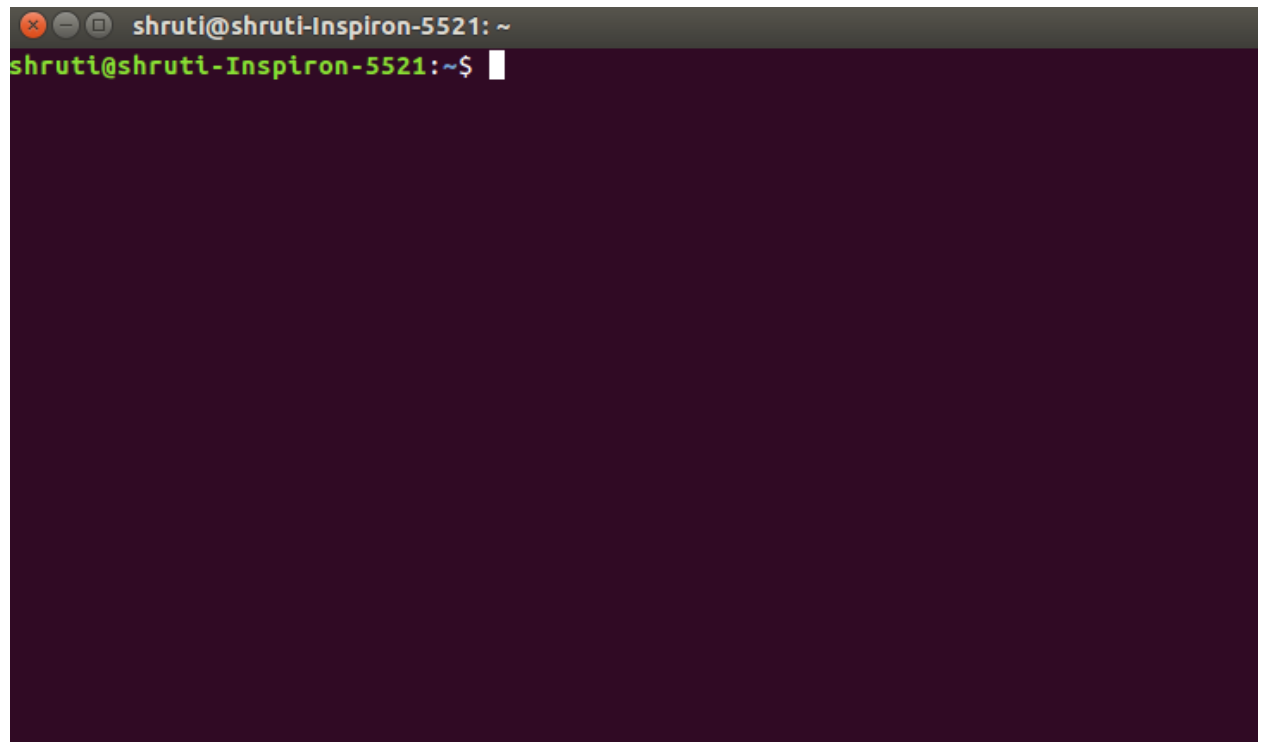
VPS servers offer base capabilities and environment to integrate Node.js apps with developer tools and APIs. [Hostinger's VPS](#) gives you more control and flexibility over your hosting environment and offers you much more than what you are paying for. It has templatebuild for Node.js – Ubuntu 22.04 with Node.js. This makes it super easy and swift to start. It also comes with OpenLiteSpeed server. Besides, they also offer CloudPanel template which allows Node.js applications creation, making it easier to start and manage Node.js apps. With a slick, easy-to-use interface, you can figure everything out quickly even with no experience with VPS.

*It has 4 active plans tailored to meet different requirements: **KVM1, KVM2, KVM4, KVM8** ranging from **₹499/mo** to **₹1829/mo**. Its KVM2 plan is cheapest and most popular amongst those running small applications.*

Installing Node On Ubuntu 18.04 and 16.04: There are two methods Ubuntu official repository and NodeSource repository to install Node.js on Ubuntu.

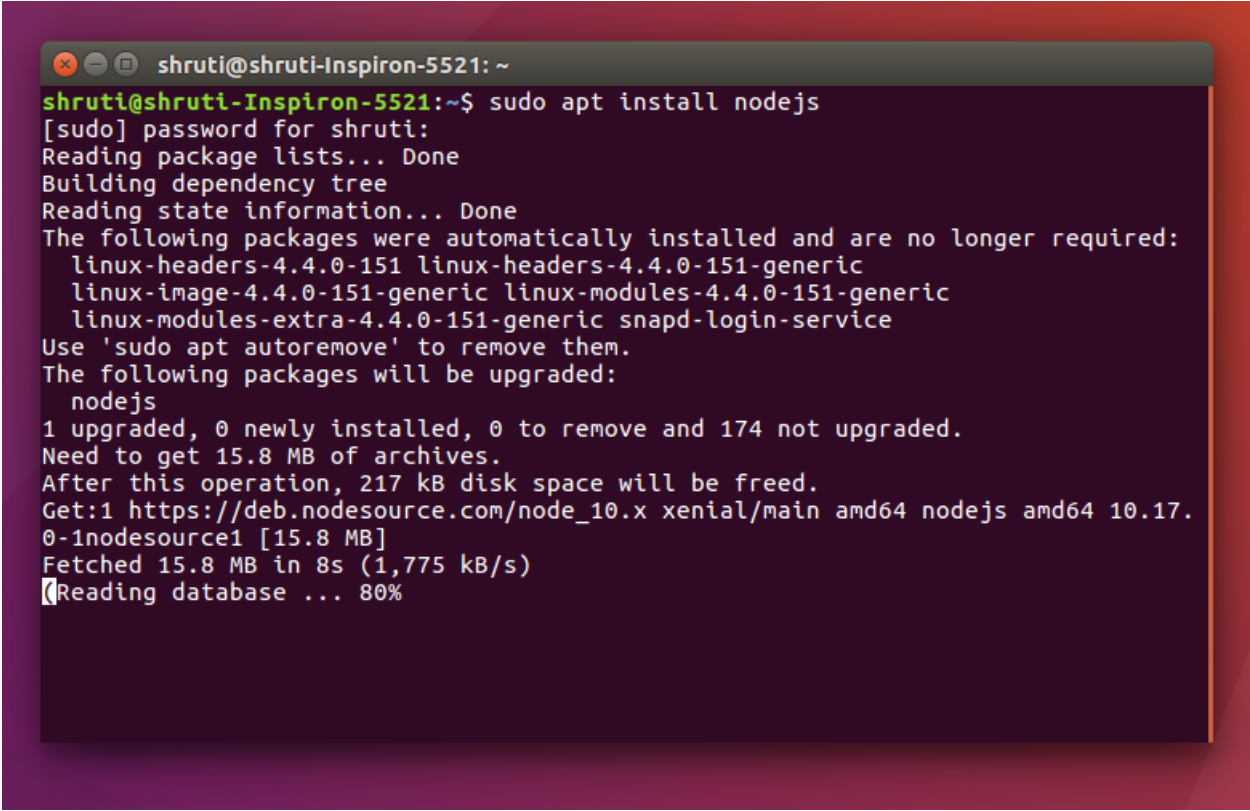
Install Node.js using Ubuntu official repository: Node.js is available in Ubuntu's repository and you can easily install it using a few commands. Follow the steps below to install Node.js on your Ubuntu operating system.

- **Step 1:** Open your terminal or press Ctrl + Alt + T.



- **Step 2:** To install node.js use the following command:

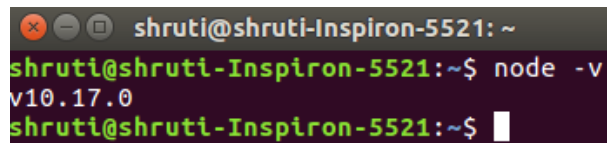
sudo apt install nodejs



```
shruti@shruti-Inspiron-5521: ~  
shruti@shruti-Inspiron-5521:~$ sudo apt install nodejs  
[sudo] password for shruti:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  linux-headers-4.4.0-151 linux-headers-4.4.0-151-generic  
  linux-image-4.4.0-151-generic linux-modules-4.4.0-151-generic  
  linux-modules-extra-4.4.0-151-generic snapd-login-service  
Use 'sudo apt autoremove' to remove them.  
The following packages will be upgraded:  
  nodejs  
1 upgraded, 0 newly installed, 0 to remove and 174 not upgraded.  
Need to get 15.8 MB of archives.  
After this operation, 217 kB disk space will be freed.  
Get:1 https://deb.nodesource.com/node_10.x xenial/main amd64 nodejs amd64 10.17.  
0-1nodesource1 [15.8 MB]  
Fetched 15.8 MB in 8s (1,775 kB/s)  
[ ] Reading database ... 80%
```

- **Step 3:** Once installed, verify it by checking the installed version using the following command:

node -v or node --version

A terminal window with a dark purple background. The title bar shows 'shruti@shruti-Inspiron-5521: ~'. The prompt is 'shruti@shruti-Inspiron-5521:~\$'. The command 'node -v' has been entered, and the output 'v10.17.0' is displayed on the next line. The prompt is now 'shruti@shruti-Inspiron-5521:~\$' with a cursor.

```
shruti@shruti-Inspiron-5521: ~  
shruti@shruti-Inspiron-5521:~$ node -v  
v10.17.0  
shruti@shruti-Inspiron-5521:~$
```

Note: It is recommended to install Node Package Manager(NPM) with Node.js.

NPM is an open source library of Node.js packages.

To install NPM, use the following commands:

sudo apt install npm

npm -v or npm --version

Node and NPM will be successfully installed on your Ubuntu machine.

Install Node.js using NodeSource repository: The latest version of Node.js can be installed from [NodeSource repository](#). Follow the steps below to install the Node.js on your Ubuntu.

- **Step 1:** Open your terminal or press Ctrl + Alt + T and use the following commands to update and upgrade the package manager:

`sudo apt-get update`

`sudo apt-get upgrade`

```
shruti@shruti-Inspiron-5521: ~  
shruti@shruti-Inspiron-5521:~$ sudo apt-get update  
[sudo] password for shruti:  
Ign:1 http://dl.google.com/linux/chrome/deb stable InRelease  
Ign:2 http://dl.google.com/linux/chrome/deb stable Release  
Ign:3 http://dl.google.com/linux/chrome/deb stable/main amd64 Packages.diff/Index  
Ign:4 http://dl.google.com/linux/chrome/deb stable/main all Packages  
Ign:5 http://dl.google.com/linux/chrome/deb stable/main Translation-en_IN  
  
shruti@shruti-Inspiron-5521:~$ sudo apt-get upgrade  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
Calculating upgrade... Done  
The following packages were automatically installed and are no longer required:  
  linux-headers-4.4.0-151 linux-headers-4.4.0-151-generic  
  linux-image-4.4.0-151-generic linux-modules-4.4.0-151-generic
```

- **Step 2:** Install Python software libraries using the following command:

`sudo apt-get install python-software-properties`

```
shruti@shruti-Inspiron-5521: ~  
shruti@shruti-Inspiron-5521:~$ sudo apt-get install python-software-properties  
[sudo] password for shruti:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  linux-headers-4.4.0-151 linux-headers-4.4.0-151-generic  
  linux-image-4.4.0-151-generic linux-modules-4.4.0-151-generic  
  linux-modules-extra-4.4.0-151-generic snapd-login-service
```

- **Step 3:** Add Node.js PPA to the system.

`curl -sL https://deb.nodesource.com/setup_10.x | sudo -E bash -`

Note: Here, we are installing node.js version 10, if you want to install

version 11, you can replace setup_10.x with setup_11.x.

```
shruti@shruti-Inspiron-5521:~$ curl -sL https://deb.nodesource.com/setup_10.x | sudo -E bash -  
  
## Installing the NodeSource Node.js 10.x repo...  
  
## Populating apt-get cache...  
  
+ apt-get update  
Hit:1 http://in.archive.ubuntu.com/ubuntu xenial InRelease  
Ign:2 http://dl.google.com/linux/chrome/deb stable InRelease  
Ign:3 http://dl.google.com/linux/chrome/deb stable Release  
Hit:4 http://in.archive.ubuntu.com/ubuntu xenial-updates InRelease  
Ign:5 http://dl.google.com/linux/chrome/deb stable/main amd64 Packages.diff/Index  
Ign:6 http://dl.google.com/linux/chrome/deb stable/main all Packages  
Ign:7 http://dl.google.com/linux/chrome/deb stable/main Translation-en_IN  
Hit:8 http://in.archive.ubuntu.com/ubuntu xenial-backports InRelease  
Ign:9 http://dl.google.com/linux/chrome/deb stable/main Translation-en  
Ign:10 http://dl.google.com/linux/chrome/deb stable/main amd64 DEP-11 Metadata  
Ign:11 http://dl.google.com/linux/chrome/deb stable/main DEP-11 64x64 Icons  
Ign:12 http://dl.google.com/linux/chrome/deb stable/main amd64 Packages  
Ign:6 http://dl.google.com/linux/chrome/deb stable/main all Packages
```

- **Step 4:** To Install Node.js and NPM to your Ubuntu machine, use the command given below:

sudo apt-get install nodejs

```
shruti@shruti-Inspiron-5521:~$ sudo apt-get install -y nodejs  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done
```

- **Step 5:** Once installed, verify it by checking the installed version using the following command:

node -v or node --version

npm -v or npm --version

```
shruti@shruti-Inspiron-5521:~$ node --version
v10.17.0
shruti@shruti-Inspiron-5521:~$ npm --version
6.11.3
shruti@shruti-Inspiron-5521:~$
```

Finally, you have successfully installed Node.js and NPM on your Ubuntu machine.