



How to install Node.js on Ubuntu Linux 16.04 LTS server

May 10, 2017 in [Debian / Ubuntu, Linux, Package Management, Ubuntu Linux](#) last updated May 10, 2017

How do I install Node.js (“Javascript for server-side programming”) on an Ubuntu Linux 16.04 LTS server using command line only option?



Node.js is an open source program to write server application in JavaScript. It is a built on Chrome’s JavaScript runtime. Back in the old days, JavaScript was used primarily for client-side scripting. Node.js allows JavaScript to be used for server-side scripting and output dynamic web page for users. This tutorial shows you how to install Node.js on an Ubuntu Linux 16.04 LTS server.

Method #1: Install the bundled distro specif Node.js version 4.2.6

Type the following [apt command](#) or [apt-get command](#) to install both npm and nodejs:

```
$ sudo apt install nodejs
```

OR

```
$ sudo apt-get install nodejs npm
```

Sample outputs:

```
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
```

```
libuv1
The following NEW packages will be installed:
libuv1 nodejs
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 3218 kB of archives.
After this operation, 13.4 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu xenial/universe amd64 libuv1 amd64 1.8.0-1 [57.4 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial-updates/universe amd64 nodejs amd64 4.2.6~dfsg-1ubuntu4.1 [3161
kB]
Fetched 3218 kB in 6s (519 kB/s)
Selecting previously unselected package libuv1:amd64.
(Reading database ... 32088 files and directories currently installed.)
Preparing to unpack ../libuv1_1.8.0-1_amd64.deb ...
Unpacking libuv1:amd64 (1.8.0-1) ...
Selecting previously unselected package nodejs.
Preparing to unpack ../nodejs_4.2.6~dfsg-1ubuntu4.1_amd64.deb ...
Unpacking nodejs (4.2.6~dfsg-1ubuntu4.1) ...
Processing triggers for libc-bin (2.23-0ubuntu7) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up libuv1:amd64 (1.8.0-1) ...
Setting up nodejs (4.2.6~dfsg-1ubuntu4.1) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
Processing triggers for libc-bin (2.23-0ubuntu7) ...
```

Verify version:

```
$ nodejs --version
v4.2.6
$ npm --version
3.5.2
```

Method #2: Install the latest version of Node.js version 6.x or 7.x

The syntax is as follows to install **Node.js version 6.x** (stable LTS and recommended for production usage):

```
$ curl -sL https://deb.nodesource.com/setup_6.x | sudo -E bash -
$ sudo apt-get install -y nodejs build-essential
```

Sample outputs:

```
{vivek@nixcraft.com:~} $ curl -sL https://deb.nodesource.com/setup_6.x | sudo -E bash -
## Installing the NodeSource Node.js v6.x repo...

## Populating apt-get cache...

+ apt-get update
Hit:1 http://archive.ubuntu.com/ubuntu xenial InRelease
Get:2 http://security.ubuntu.com/ubuntu xenial-security InRelease [102 kB]
Get:3 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [102 kB]
Get:4 http://archive.ubuntu.com/ubuntu xenial-backports InRelease [102 kB]
Fetched 306 kB in 2s (116 kB/s)
Reading package lists... Done

## Confirming "xenial" is supported...

+ curl -sLf -o /dev/null 'https://deb.nodesource.com/node_6.x/dists/xenial/Release'

## Adding the NodeSource signing key to your keyring...

+ curl -s https://deb.nodesource.com/gpgkey/nodesource.gpg.key | apt-key add -
OK

## Creating apt sources list file for the NodeSource Node.js v6.x repo...

+ echo 'deb https://deb.nodesource.com/node_6.x xenial main' > /etc/apt/sources.list.d/nodesource.list
+ echo 'deb-src https://deb.nodesource.com/node_6.x xenial main' >> /etc/apt/sources.list

## Running `apt-get update` for you...

+ apt-get update
Get:1 https://deb.nodesource.com/node_6.x xenial InRelease [4634 B]
Hit:2 http://archive.ubuntu.com/ubuntu xenial InRelease
Get:3 https://deb.nodesource.com/node_6.x xenial/main Sources [766 B]
Get:4 https://deb.nodesource.com/node_6.x xenial/main amd64 Packages [963 B]
Get:5 http://security.ubuntu.com/ubuntu xenial-security InRelease [102 kB]
Get:6 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [102 kB]
Get:7 http://archive.ubuntu.com/ubuntu xenial-backports InRelease [102 kB]
Fetched 313 kB in 2s (150 kB/s)
Reading package lists... Done

## Run `apt-get install nodejs` (as root) to install Node.js v6.x and npm

{vivek@nixcraft.com:~} $ sudo apt-get install nodejs
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  nodejs
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 10.1 MB of archives.
After this operation, 50.8 MB of additional disk space will be used.
Get:1 https://deb.nodesource.com/node_6.x xenial/main amd64 nodejs amd64 6.10.3-1nodesour
Fetched 10.1 MB in 1s (7611 kB/s)
Selecting previously unselected package nodejs.
(Reading database ... 37981 files and directories currently installed.)
Preparing to unpack .../nodejs_6.10.3-1nodesour1~xenial1_amd64.deb ...
Unpacking nodejs (6.10.3-1nodesour1~xenial1) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up nodejs (6.10.3-1nodesour1~xenial1) ...
```

Fig.01: Installing LTS version of Node.js on an Ubuntu 16.04 server

The syntax is as follows to install **Node.js version 7.x** (current/latest and recommended for testing purpose):

```
$ curl -sL https://deb.nodesource.com/setup_7.x | sudo -E bash -
$ sudo apt-get install -y nodejs build-essential
```

Verify it

Type the following commands:

```
$ nodejs --version
v6.10.3
$ npm --version
3.10.10
```

And there you have it, Node.js installed and working. You can start writing apps now. See the [official website](#) for more information.

Tagged as: [Node.js](#), [Easy](#)



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