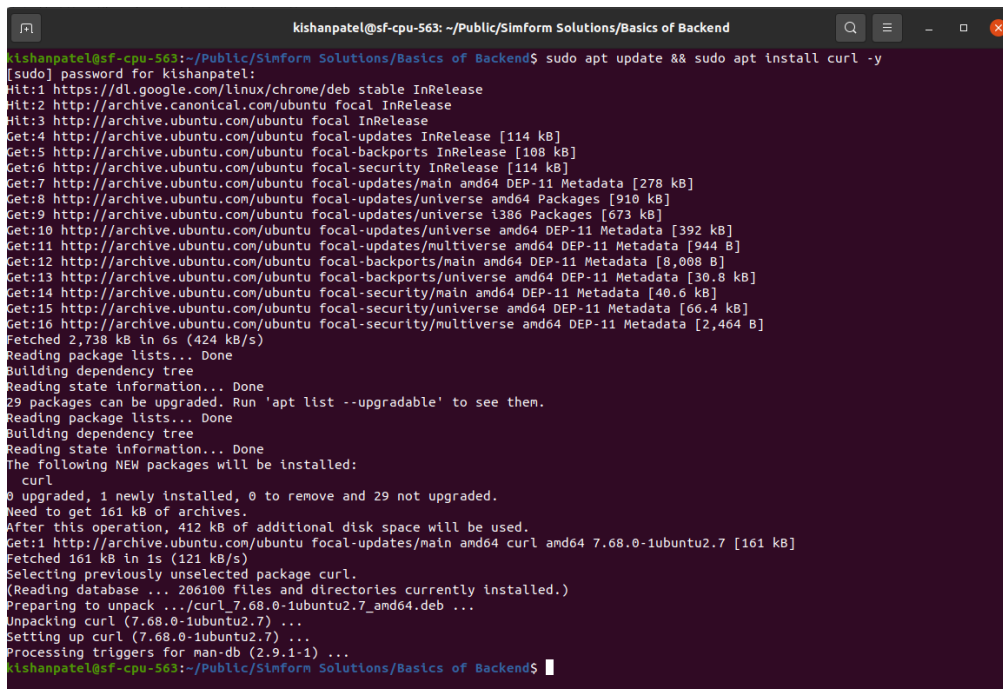# Installation of Node.js

NVM is known as Node Version Manager, similarly to RVM (Ruby Version Manager) for Ruby language. NVM provides an option for the easy installation of Node.js. You can also install a specific Node.js version or multiple Node.js versions on the same system using nvm and use the required version for the application.

Step 1 – Install NVM

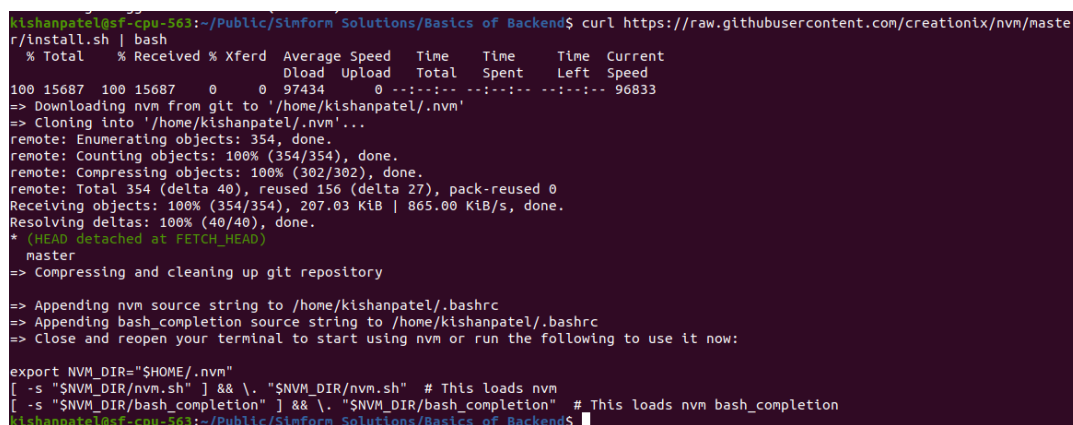First, make sure you have curl installed on your system:

```
sudo apt update && sudo apt install curl -y
```


1. Next, run the following command to configure nvm on your system for current logged user.

```
curl https://raw.githubusercontent.com/creationix/nvm/master/install.sh | bash
```

2. Reload system environment using this command. It will set the required environment variables to use nvm on the system.

- **Debian based systems:**

  source ~/.profile

- **CentOS, Fedora and Redhat systems:**

  source ~/.bashrc

```
kishanpatel@sf-cpu-563:~/Public/Simform Solutions/Basics of Backend$ source ~/.bashrc
```

Step 2 – Find Available Node.js Version

At this point, you have installed nvm on your system for the current user. Now find out the available version of Node.js to install. Use `ls-remote` option to list versions.

nvm ls-remote

```
kishanpatel@sf-cpu-563:~/Public/Simform Solutions/Basics of Backend$ nvm ls-remote
        v0.1.14
        v0.1.15
        v0.1.16
        v0.1.17
        v0.1.18
        v0.1.19
        v0.1.20
        v0.1.21
        v0.1.22
        v0.1.23
        v0.1.24
        v0.1.25
        v0.1.26
        v0.1.27
        v0.1.28
        v0.1.29
        v0.1.30
        v0.1.31
        v0.1.32
        v0.1.33
        v0.1.90
        v0.1.91
        v0.1.92
        v0.1.93
        v0.1.94
```

Step 3 – Installing Node.js with NVM

Now install the node.js version you need to use for running the node.js application. Below command will install node.js **14.16.0** the LTS release on your system.

nvm install v16.14.0

```
kishanpatel@sf-cpu-563:~/Public/Simform Solutions/Basics of Backend$ nvm install v16.14.1
Downloading and installing node v16.14.1...
Downloading https://nodejs.org/dist/v16.14.1/node-v16.14.1-linux-x64.tar.xz...
################################################################################ 100.0%
Computing checksum with sha256sum
Checksums matched!
Now using node v16.14.1 (npm v8.5.0)
Creating default alias: default -> v16.14.1
```

To Remove Unused Node.js Version

This command will provide a list of installed versions of node.js on your system.

```
nvm list
```

You can remove any unused version from your system. For example, to remove Node.js version 9.5.9 execute the following command:

```
nvm uninstall v9.5.0
```