Docker Installation Guide

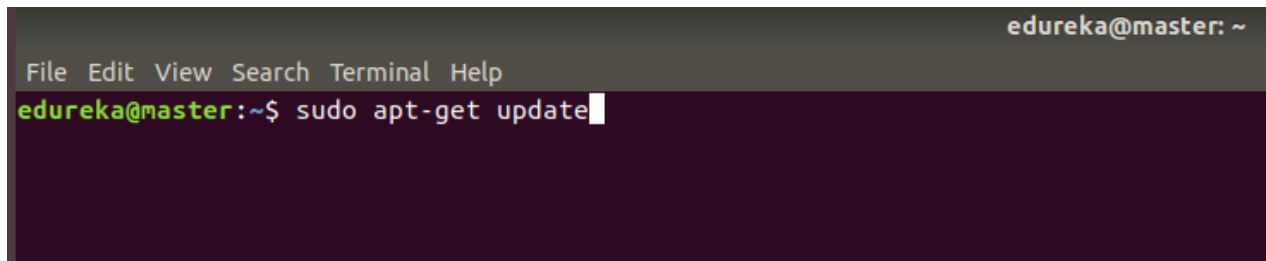## Installation Notes

edureka!

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Version 6.0

Installation Notes:

Docker Installation:

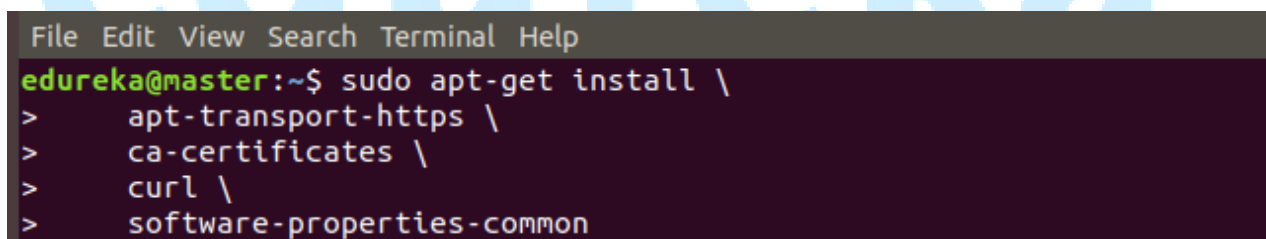Step: 1 Update the apt-package index by using below command.
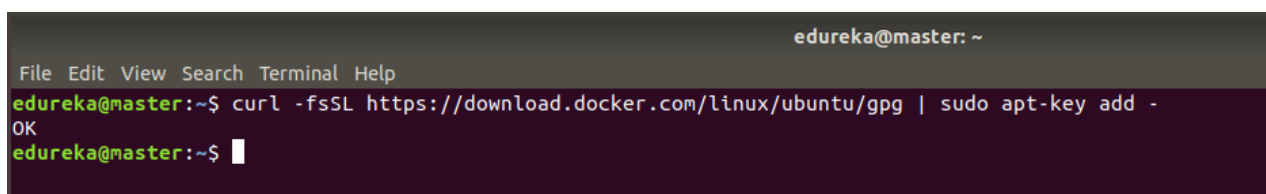
```
sudo apt-get update
```


Step: 2 Now, install packages to allow apt to use a repository over HTTP by using below command:

```
sudo apt-get install \
apt-transport-https \
ca-certificates \
curl \
software-properties-common
```


Step: 3 Add Dockers official GPG key by using command given below:

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add
-
```


Step: 4 Verify that you now have the key with the fingerprint 9DC8 5822 9FC7 DD38 854A E2D8 8D81 803C 0EBF CD88, by searching for the last 8 characters of the fingerprint

```
sudo apt-key fingerprint 0EBFCD88
```

```
edureka@master:~$ sudo apt-key fingerprint 0EBFCD88
[sudo] password for edureka:
pub    rsa4096 2017-02-22 [SCEA]
       9DC8 5822 9FC7 DD38 854A  E2D8 8D81 803C 0EBF CD88
uid           [ unknown] Docker Release (CE deb) <docker@docker.com>
sub    rsa4096 2017-02-22 [S]

edureka@master:~$ ▐
```

Step: 5 Use the following command to set up the stable repository

```
sudo add-apt-repository \
   "deb [arch=amd64] https://download.docker.com/linux/ubuntu \
   $(lsb_release -cs) \
   stable"
```

```
                                                         edureka@master: ~
 File  Edit  View  Search  Terminal  Help
edureka@master:~$ sudo add-apt-repository \
>    "deb [arch=amd64] https://download.docker.com/linux/ubuntu \
>    $(lsb_release -cs) \
>    stable"
[sudo] password for edureka:
edureka@master:~$ ▐
```

Step: 6 Update the package index again:

```
sudo apt-get update
```

```
edureka@master:~$ sudo apt-get update
Ign:1 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:2 http://dl.google.com/linux/chrome/deb stable Release
Ign:3 http://apt.puppetlabs.com xenial InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu artful InRelease
Hit:5 http://security.ubuntu.com/ubuntu artful-security InRelease
Hit:6 http://ppa.launchpad.net/ansible/ansible/ubuntu artful InRelease
Hit:7 http://apt.puppetlabs.com xenial Release
Hit:8 http://in.archive.ubuntu.com/ubuntu artful-updates InRelease
Hit:9 http://in.archive.ubuntu.com/ubuntu artful-backports InRelease
Hit:10 https://download.docker.com/linux/ubuntu artful InRelease
Ign:11 http://pkg.jenkins-ci.org/debian binary/ InRelease
Get:12 http://pkg.jenkins-ci.org/debian binary/ Release [2,042 B]
Get:13 http://pkg.jenkins-ci.org/debian binary/ Release.gpg [181 B]
Fetched 2,223 B in 12s (173 B/s)
Reading package lists... 0%
```

Step: 7 Install the latest version of docker ce.

```
sudo apt-get install docker-ce
```

```
edureka@master:~$ sudo apt-get install docker-ce
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  docker-ce
0 upgraded, 1 newly installed, 0 to remove and 2 not upgraded.
Need to get 40.2 MB of archives.
After this operation, 198 MB of additional disk space will be used.
0% [Connecting to download.docker.com (13.35.8.28)]
```

Step: 8 (a) If you want to install a specific version of Docker CE, list the available versions in the repo, then select and install:

```
apt-cache madison docker-ce
```

docker-ce | 18 . 03 . 0~ubuntu |
https://download.docker.com/linux/ubuntuxenial/stable_amd64 Packages

(b) Install a specific version by its fully qualified package name, which is package name (docker-ce) "=" version string (2nd column), for example, docker-ce=18.03.0~ce-0~ubuntu.

```
apt-get install docker-ce=<VERSION>
```

Step: 9 You might also want to check the docker version:

```
docker --version
```

Now you can start working on Docker.

```
                                                   edureka@master: ~

 File  Edit  View  Search  Terminal  Help
edureka@master:~$ docker --version
Docker version 18.06.1-ce, build e68fc7a
edureka@master:~$
```