

Docker Installation Guide

Installation Notes

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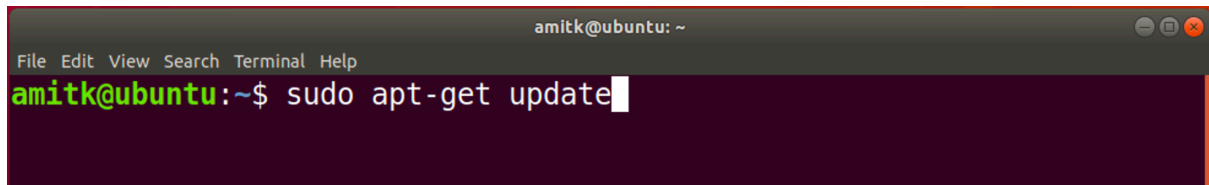
Containerization Using Docker

Installation Notes:

Docker installation:

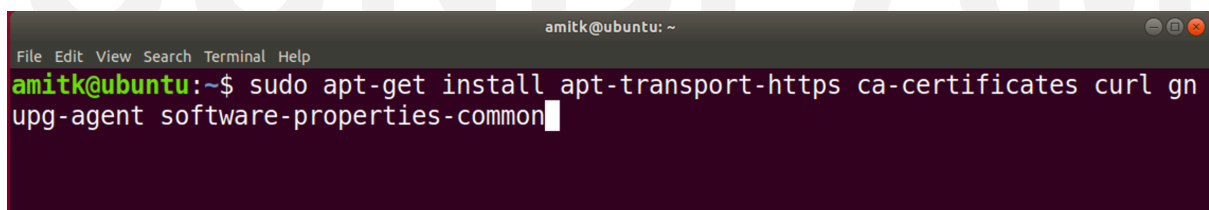
Step 1: update the apt cache

```
sudo apt-get update
```

A terminal window titled 'amitk@ubuntu: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The prompt is 'amitk@ubuntu:~\$' and the command 'sudo apt-get update' is entered, with the cursor at the end of the line.

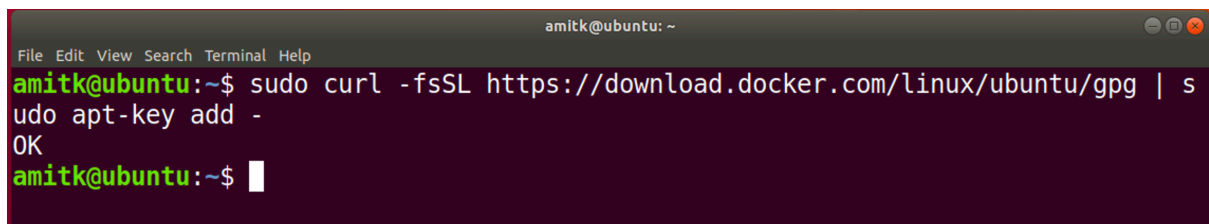
Step 2: install the required packages

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

A terminal window titled 'amitk@ubuntu: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The prompt is 'amitk@ubuntu:~\$' and the command 'sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-common' is entered, with the cursor at the end of the line.

Step 3: add docker's official GPG key

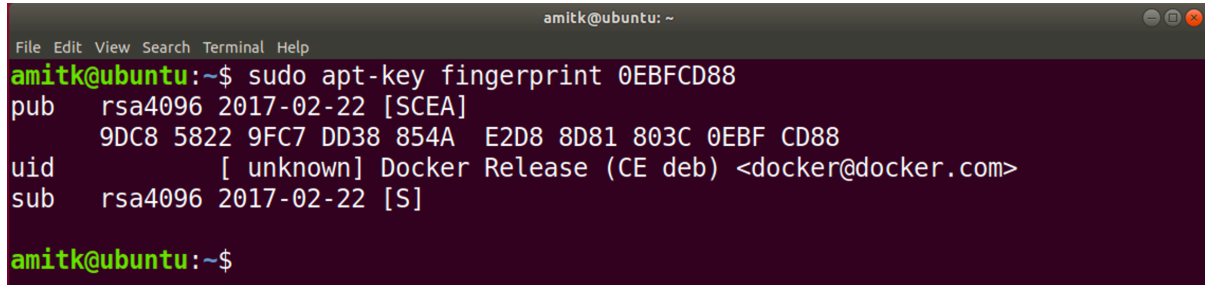
```
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
```

A terminal window titled 'amitk@ubuntu: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The prompt is 'amitk@ubuntu:~\$' and the command 'sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -' is entered. The output 'OK' is shown on the next line, followed by the prompt 'amitk@ubuntu:~\$'.

Containerization Using Docker

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

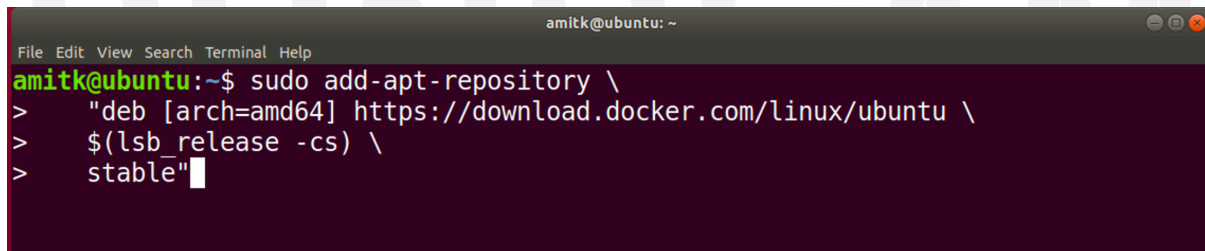
```
sudo apt-key fingerprint 0EBFCD88
```



```
amitk@ubuntu: ~  
File Edit View Search Terminal Help  
amitk@ubuntu:~$ sudo apt-key fingerprint 0EBFCD88  
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]  
  
amitk@ubuntu:~$
```

Step 5: Install Docker

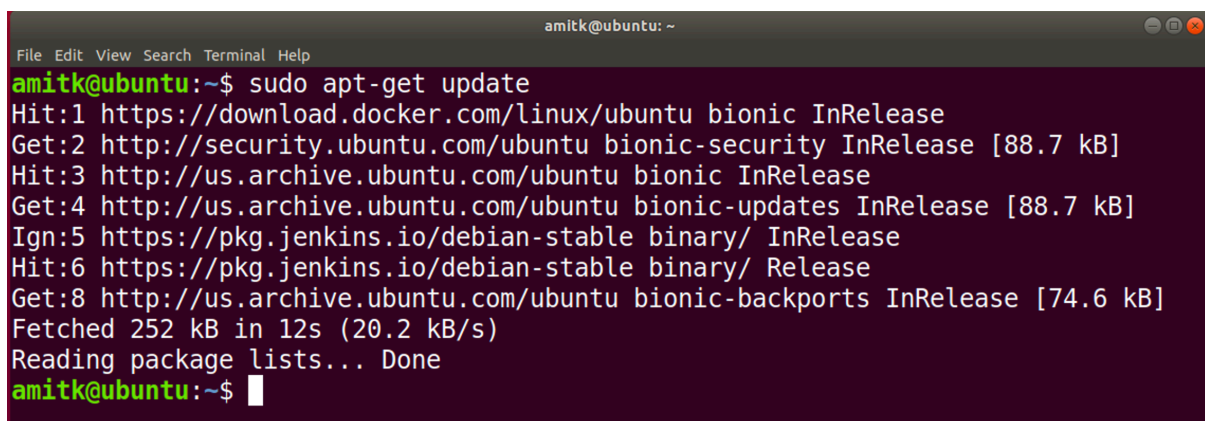
```
sudo add-apt-repository \  
    "deb [arch=amd64] https://download.docker.com/linux/ubuntu \  
    $(lsb_release -cs) \  
    stable"
```



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

Step 6: Update the apt cache

```
sudo apt-get update
```

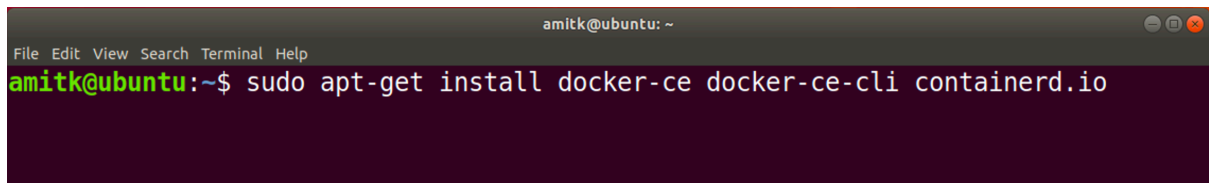


```
amitk@ubuntu: ~  
File Edit View Search Terminal Help  
amitk@ubuntu:~$ sudo apt-get update  
Hit:1 https://download.docker.com/linux/ubuntu bionic InRelease  
Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]  
Hit:3 http://us.archive.ubuntu.com/ubuntu bionic InRelease  
Get:4 http://us.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]  
Ign:5 https://pkg.jenkins.io/debian-stable binary/ InRelease  
Hit:6 https://pkg.jenkins.io/debian-stable binary/ Release  
Get:8 http://us.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]  
Fetched 252 kB in 12s (20.2 kB/s)  
Reading package lists... Done  
amitk@ubuntu:~$
```

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Step 7: Install the latest *version* of Docker Engine - Community and containerd

```
sudo apt-get install docker-ce docker-ce-cli containerd.io
```



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