

Docker Installation Guide

Installation Notes

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Connect to an EC2 instance(Ubuntu).

Run this command to become root on your Ubuntu system.

```
sudo su
```

Then run `uname -a` to check the version of the currently running Linux kernel

```
uname -a
```

```
ubuntu@ip-172-31-84-165:~$ sudo su
root@ip-172-31-84-165:/home/ubuntu# uname -a
Linux ip-172-31-84-165 4.4.0-1067-aws #77-Ubuntu SMP Mon Aug 27 13:22:03 UTC 201
8 x86_64 x86_64 x86_64 GNU/Linux
```

Run the following command to fetch the latest updates from the Ubuntu repository and install them.

```
apt-get update
```

```
apt-get upgrade
```

```
root@ip-172-31-84-165:/home/ubuntu# apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-updates InRelease [1
09 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-backports InRelease
[107 kB]
Ign:4 http://apt.puppetlabs.com xenial InRelease
Hit:5 http://apt.puppetlabs.com xenial Release
Get:6 http://security.ubuntu.com/ubuntu xenial-security InRelease [107 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-updates/main amd64 P
ackages [849 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-updates/universe amd
64 Packages [691 kB]
Ign:10 http://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:11 http://pkg.jenkins.io/debian-stable binary/ Release
Fetched 1,863 kB in 3s (588 kB/s)
Reading package lists... Done
root@ip-172-31-84-165:/home/ubuntu# apt-get upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

Now install docker with the apt command:

```
apt-get install -y docker.io
```

```
root@ip-172-31-84-165:/home/ubuntu# apt-get install -y docker.io
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  bridge-utils cgroupfs-mount ubuntu-fan
Suggested packages:
  mountall aufs-tools debootstrap docker-doc rinse zfs-fuse | zfsutils
The following NEW packages will be installed:
  bridge-utils cgroupfs-mount docker.io ubuntu-fan
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 17.1 MB of archives.
After this operation, 90.5 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial/main amd64 bridge-ut
ils amd64 1.5-9ubuntu1 [28.6 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial/universe amd64 cgrou
pfs-mount all 1.2 [4,970 B]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-updates/universe amd
64 docker.io amd64 17.03.2-0ubuntu2~16.04.1 [17.1 MB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-updates/main amd64 u
buntu-fan all 0.12.8~16.04.2 [35.6 kB]
Fetched 17.1 MB in 0s (44.0 MB/s)
Preconfiguring packages ...
```

start Docker with the systemctl command:

systemctl start docker

Enable docker to run at system boot:

systemctl enable docker

```
root@ip-172-31-84-165:/home/ubuntu# systemctl start docker
root@ip-172-31-84-165:/home/ubuntu# systemctl enable docker
Synchronizing state of docker.service with SysV init with /lib/systemd/systemd-s
ysv-install...
Executing /lib/systemd/systemd-sysv-install enable docker
```

You might also want to check the docker version:

docker version

```
root@ip-172-31-84-165:/home/ubuntu# docker version
Client:
 Version:      17.03.2-ce
 API version:  1.27
 Go version:   gol.6.2
 Git commit:   f5ecle2
 Built:        Thu Jul  5 23:07:48 2018
 OS/Arch:      linux/amd64

Server:
 Version:      17.03.2-ce
 API version:  1.27 (minimum version 1.12)
 Go version:   gol.6.2
 Git commit:   f5ecle2
```

Now you can start working on Docker.

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