Verify and/or Install Docker (Instructions for Debian, Ubuntu and CentOS)

VERIFY DOCKER

1. Check if you have Docker already installed:

```
# docker -v
```

2. If you get output like this, then you already have Docker installed and can skip these instructions.

```
Docker version 19.03.3, build a872fc2f86
```

3. If you get output like this, then follow the instructions below for your Linux Distribution:

```
-bash: docker: command not found
```

Install Docker on Debian

OS requirements

To install Docker Engine - Community, you need the 64-bit version of one of these Debian versions:

- Buster 10
- Stretch 9 (stable)

SET UP THE REPOSITORY

1. Update the `apt` package index:

```
# apt-get update
```

2. Install packages to allow `apt` to use a repository over HTTPS:

```
# apt-get install apt-transport-https software-properties-common gnupg2
curl ca-certificates
```

3. Add Docker's official GPG key:

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


# apt-key fingerprint 0EBFCD88
```

4. Use the following command to set up the **stable** repository.

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

INSTALL DOCKER ENGINE - COMMUNITY

Note: This procedure works for Debian on `x86_64` / `amd64`.

1. Update the `apt` package index.

```
# apt-get update
```

2. Install the *latest version* of Docker Engine - Community and containerd:

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

Install Docker on Ubuntu

OS requirements

To install Docker Engine - Community, you need the 64-bit version of one of these Ubuntu versions:

- Disco 19.04
- Cosmic 18.10
- Bionic 18.04 (LTS)
- Xenial 16.04 (LTS)

SET UP THE REPOSITORY

1. Update the `apt` package index:

```
$ sudo apt-get update
```

2. Install packages to allow `apt` to use a repository over HTTPS:

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

3. Add Docker's official GPG key:

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


$ sudo apt-key fingerprint 0EBFCD88
```

4. 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"
```

INSTALL DOCKER ENGINE - COMMUNITY

1. Update the `apt` package index.

```
$ sudo apt-get update
```

2. Install the *latest version* of Docker Engine - Community and containerd:

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

Install Docker on CentOS

OS requirements

To install Docker Engine - Community, you need a maintained version of **CentOS 7**. Archived versions aren't supported or tested.

Install using the repository

Before you install Docker Engine - Community for the first time on a new host machine, you need to set up the Docker repository. Afterward, you can install and update Docker from the repository.

SET UP THE REPOSITORY

1. Install required packages. `yum-utils` provides the `yum-config-manager` utility, and `device-mapper-persistent-data` and `lvm2` are required by the `devicemapper` storage driver.

```
$ sudo yum install -y yum-utils device-mapper-persistent-data lvm2
```

2. Use the following command to set up the **stable** repository.

```
$ sudo yum-config-manager --add-repo
https://download.docker.com/linux/centos/docker-ce.repo
```

INSTALL DOCKER ENGINE - COMMUNITY

1. Install the *latest version* of Docker Engine - Community and containerd:

```
$ sudo yum install docker-ce docker-ce-cli containerd.io
```