Get Docker CE for Ubuntu

### OS requirements

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

* Cosmic 18.10
* Bionic 18.04 (LTS)
* Xenial 16.04 (LTS)

### Uninstall old versions

Older versions of Docker were called docker, docker.io , or docker-engine. If these are installed, uninstall them:

$ sudo apt-get remove docker docker-engine docker.io containerd runc

It’s OK if apt-get reports that none of these packages are installed.

The contents of /var/lib/docker/, including images, containers, volumes, and networks, are preserved. The Docker CE package is now called docker-ce.

### Install using the repository

Before you install Docker CE 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. Update the apt package index:
2. $ sudo apt-get update
3. Install packages to allow apt to use a repository over HTTPS:
4. $ sudo apt-get install \
5. apt-transport-https \
6. ca-certificates \
7. curl \
8. gnupg-agent \

software-properties-common

Add Docker’s official GPG key:

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

Verify that you now have the key with the fingerprint9DC8 5822 9FC7 DD38 854A E2D8 8D81 803C 0EBF CD88, by searching for the last 8 characters of the fingerprint.

$ 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]

Use the following command to set up the **stable** repository. To add the**nightly** or **test** repository, add the word nightly or test (or both) after the word stable in the commands below.

$ sudo add-apt-repository \

"deb [arch=amd64] https://download.docker.com/linux/ubuntu \

$(lsb\_release -cs) \

stable"

#### INSTALL DOCKER CE

1. Update the apt package index.
2. $ sudo apt-get update
3. Install the latest version of Docker CE and containerd, or go to the next step to install a specific version:

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

To install a *specific version* of Docker CE, list the available versions in the repo, then select and install:

a. List the versions available in your repo:

$ apt-cache madison docker-ce

Verify that Docker CE is installed correctly by running the hello-worldimage.

$ sudo docker run hello-world