1. sudo pip install docker-compose
2. docker-compose -version

Step 3 — Running a Container with Docker Compose

The public Docker registry, Docker Hub, includes a simple *Hello World* image. Now that we have Docker Compose installed, let's test it with this really simple example.

First, create a directory for our YAML file:

* mkdir hello-world

Then change into the directory:

* cd hello-world

Now create the YAML file using your favorite text editor (we will use nano):

* nano docker-compose.yml

Put the following contents into the file, save the file, and exit the text editor:

docker-compose.yml

my-test:

image: hello-world

The first line will be used as part of the container name. The second line specifies which image to use to create the container. The image will be downloaded from the official Docker Hub repository.

While still in the ~/hello-world directory, execute the following command to create the container:

* docker-compose up

The output should start with the following:

Output of docker-compose up

Creating helloworld\_my-test\_1...

Attaching to helloworld\_my-test\_1

my-test\_1 |

my-test\_1 | Hello from Docker.

my-test\_1 | This message shows that your installation appears to be working correctly.

my-test\_1 |

The output then explains what Docker is doing:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

If the process doesn't exit on its own, press CTRL-C.