Exercise Worksheet

[www.vomtom.at](http://www.vomtom.at)

# From the Course: Understanding Docker Run, Dockerfile, Docker-Compose for Beginners

## The docker-compose.yml File Explained Line by Line for Composer Beginners

Let’s re-use this Dockerfile:



And this index.php file in the same directory:



But this time we will add a docker-compose.yml file in the same directory as well:



Then we run

docker-compose up

* It will read the docker-compose.yml file in the current directory
* It will build a new image “folder-name”\_”service-name” based on the Dockerfile
  + called “step-1\_phpapp”
* It will run this as a container named “folder-name”\_”service\_name”\_”index”
  + So: “step-1\_phpapp\_1”

Now we can access <http://localhost:8080> and it should show us the “hello world” again from our index.php.

If we change the index.php nothing happens.

* Change the “hello world” to “hello docker”.
* Save it.
* Reload the browser, you still see “hello world” instead of “hello docker”
* Do you know why?

ctrl-c

* Stop the running container(s)

docker-compose up

* Start the container(s) again

Open <http://localhost:8080> should still bring up “hello world”.

docker-compose up --build

* This rebuilds the image before spinning it up
* Now <http://localhost:8080> container “hello docker”

docker-compose rm

* Cleanup, remove the containers