Exercise Worksheet

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

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

## Ship your Web-Application using Apache and PHP as Docker container with a Dockerfile

Let’s create a Docker image and run this image as container with an Apache with PHP pre-installed. Then serve our index.php from the previous example.

Change the Dockerfile to:



Then run the following commands:

docker build -t myphpapp .

* This will build an image myphpapp:latest
* Will copy the index.php from the host inside the container in the directory /var/www/html
* Will package everything

docker run --name myphp-apache -p 8080:80 myphpapp

* Will run the image myphpapp image
* Open the apache inside the image
* Bind port 8080 on the host to port 80 on the guest
* Will give the container the name “myphp-apache”

<http://localhost:8080>

* Should bring up the “hello world” from the index.php
* Changing the index.php on the host should not change it on the guest – it’s baked into the image
* If you want a live version you need to volume-mount it into the container

ctrl+c

* To stop the container

docker rm -f myphp-apache

* To remove the container

docker rmi myphpapp

* To remove the image for now