

Exercise Worksheet

www.vomtom.at

From the Course:

Understanding Docker Run, Dockerfile, Docker-Compose for Beginners

Using a PHP Dev-Server inside a Container with a Dockerfile

Change the Dockerfile from the previous example to:

```
FROM php:7.2-cli  
  
EXPOSE 8000  
RUN mkdir /myproject  
COPY index.php /myproject  
WORKDIR /myproject  
CMD ["php", "-S", "0.0.0.0:8000"]
```

Then run the command:

```
docker build -t myphpapp .
```

- Will rebuild the image and tag it again as “myphpapp”
- Will overwrite the old one
- Will copy the index.php to a new directory /myproject
- Will run “php -S 0.0.0.0:8000” and serve the content of /myproject on port 8000
- CMD will take an array and run a command. Every parameter must be in a separate array element, so: CMD [“command”, “param1”, “param2”, ...]

```
docker run --name myphp-container -p 8080:8000 myphpapp
```

- Will run spin up the image “myphp” which we generated
- Will forward port 8000 in the container to port 8080 on the host
- <http://localhost:8080> should bring up the hello world

```
ctrl+c
```

- to stop the container
- Mind on Windows: The container is still running in the background.

```
docker rm -f myphp-container
```

- To remove the container: cleanup

```
docker rmi myphpapp
```

- Remove the myphp image again