

Exercise Worksheet

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From the Course:

Understanding Docker Run, Dockerfile, Docker-Compose for Beginners

Understanding, creating and using networks in docker-compose.yml

This exercise is here to showcase a typical network configuration and segregation using docker-compose.yml.

There are service-level and top-level network definitions. The service level is for “which network does this service join”. The top-level for “how does the network look like”.

Let’s use this docker-compose.yml file:

```
version: "3.7"

services:

  app1:
    image: httpd:latest
    container_name: app1
    ports:
      - 8080:80
    networks:
      - app1_net

networks:
  app1_net:
```

- Creates one network called “app2_net”, top-level, last line, without any further configuration. It will be a bridge network.
- Attaches container app1 to the network

```
docker-compose up
```

- Starts the container

<http://localhost:8080>

- Observe the output

On a second terminal

```
docker ps
```

- Get the container information

```
docker inspect appl
```

- Observe the networking part!

Close the second terminal

```
exit
```

Back to terminal 1:

```
ctrl+c
```

- Stops the docker-compose

```
docker-compose rm
```

- cleanup