

# OdysseusNet Docker Compose Example

For an easy testing of OdysseusNet on a single machine, we propose the user of docker-compose. See an example of a docker-compose.yml file below (use `docker-compose up`). Here three workers with kafka capabilities are created and started. Hint: To update the images to the latest versions after the initial download use `docker-compose pull` before starting with `up` again.

```
version: '3.8'

services:
  worker01:
    image: odysseusol/odysseus_kafka_debug:dev-latest
    stdin_open: true
    ports:
      - 18881:8888
    volumes:
      - ./worker01:/var/lib/odysseus

  worker02:
    image: odysseusol/odysseus_kafka_debug:dev-latest
    stdin_open: true
    ports:
      - 18882:8888
    volumes:
      - ./worker02:/var/lib/odysseus

  worker03:
    image: odysseusol/odysseus_kafka_debug:dev-latest
    stdin_open: true
    ports:
      - 18883:8888
    volumes:
      - ./worker03:/var/lib/odysseus
```

As this is not a root container under linux you will need to give write access to user with uid=999 gid=1000

```
sudo chown 999:1000 worker0*
sudo chmod 755 worker0*
```

or give access right for any user:

```
sudo chmod 777 -R worker0*
```

Remark: If you do not want to use kafka to communicate and the worker should be able to communicate with each other, it is important, that the master node is part of the docker network, else the connections between the workers could be failing.