## GNU nano 6.2 version: "3.9" services: db: build: dockerfile: ./Dockerfile environment: MYSQL ROOT PASSWORD: 12345 deploy: mode: replicated replicas: 2 adminere: image: adminer:4.8.1 restart: always ports: - 6080:8080 volumes: ./myfolder:/myfolder deploy: mode: replicated

replicas: 1

GNU nano 6.2

FROM mariadb:10.10.2

RUN mkdir /test

root@Ubuntu:/home/lpanda# mkdir sem5
root@Ubuntu:/home/lpanda# cd sem5
root@Ubuntu:/home/lpanda/sem5# nano docker-compose.yaml
root@Ubuntu:/home/lpanda/sem5# nano Dockerfile
root@Ubuntu:/home/lpanda/sem5#

root@Ubuntu:/home/lpanda/sem5# mkdir myfolder

```
root@Ubuntu:/home/lpanda/sem5# docker ps
CONTAINER ID IMAGE COMMAND CREAT
                     COMMAND CREATED
                                                              NAMES
root@Ubuntu:/home/lpanda/sem5# docker compose up
[+] Building 0.7s (6/6) FINISHED

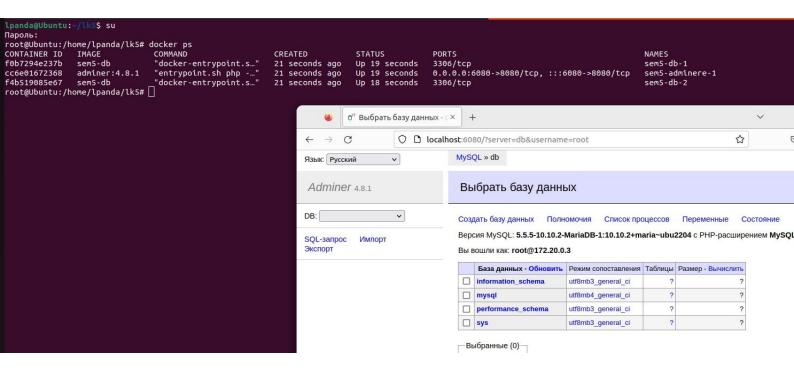
✓ Network sem5 default

✓ Container sem5-db-2

✓ Container sem5-adminere-1 Created
✓ Container sem5-db-1 Created
sem5-db-1
sem5-db-1
                  PLEASE REMEMBER TO SET A PASSWORD FOR THE MariaDB root USER !
                  To do so, start the server, then issue the following command:
sem5-db-1
                  '/usr/bin/mysql_secure_installation'
                  which will also give you the option of removing the test
sem5-db-1
                  databases and anonymous user created by default. This is
                  strongly recommended for production servers.
                  See the MariaDB Knowledgebase at https://mariadb.com/kb
sem5-db-1
                 Please report any problems at https://mariadb.org/jira
                  The latest information about MariaDB is available at https://mariadb.org/.
sem5-db-1
```

STATUS

**PORTS** 



root@Ubuntu:/home/lpanda# docker swarm init
Swarm initialized: current node (nhp2eosyd8najc2p6k4qb37lp) is now a manager.
To add a worker to this swarm, run the following command:

docker swarm join --token SWMTKN-1-5eb0ujgdf2eukz1c9xtfm5kyk4bhqzvemw88vg5jl1h6lrxrer-7pdglvuss7ull9fkmz6k39yqz 192.168.0.100:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instruction s.

root@lpanda2:/home/lpanda2# docker swarm join --token SWMTKN-1-5eb0ujgdf2eukz1c9xtfm5kyk4bhqzvem w88vg5jl1h6lrxrer-7pdglvuss7ull9fkmz6k39yqz 192.168.0.100:2377 This node joined a swarm as a worker.

| root@obuntu:/nome/tpanda# docker node ts |          |        |              |                |               |
|--|----------|--------|--------------|----------------|---------------|
| ID                                       | HOSTNAME | STATUS | AVAILABILITY | MANAGER STATUS | ENGINE VERSIO |
| N  |          |        |              |                |               |
| nhp2eosyd8najc2p6k4qb37lp *              | Ubuntu   | Ready  | Active       | Leader         | 24.0.4        |
| r5k672752hyrfwett9vn3n9yt                | lpanda2  | Ready  | Active       |                | 20.10.21      |

r5k672752hyrfwett9vn3n9yt root@Ubuntu:/home/lpanda# docker node ls ID HOSTNAME STATUS AVAILABILITY MANAGER STATUS ENGINE VERSIO N nhp2eosyd8najc2p6k4qb37lp \* Ubuntu Ready Active Leader 24.0.4 lpanda2 r5k672752hyrfwett9vn3n9yt Ready Active 20.10.21 root@Ubuntu:/home/lpanda# docker service create --name nginx --label tokyo --replicas 3 nginx:al pine hj5imifx660k2zncc58ln76nd overall progress: 3 out of 3 tasks 1/3: running 2/3: running 3/3: running

root@Ubuntu:/home/lpanda# docker node update --label-add tokyo r5k672752hyrfwett9vn3n9yt

verify: Service converged

