

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   CREATED   STATUS    PORTS   NAMES
root@Ubuntu:/home/lpanda/sem5# docker compose up
[+] Building 0.7s (6/6) FINISHED
=> [db internal] load build definition from Dockerfile
=> => transferring dockerfile: 76B
=> [db internal] load .dockerignore
=> => transferring context: 2B
=> [db internal] load metadata for docker.io/library/mariadb:10.10.2
=> CACHED [db 1/2] FROM docker.io/library/mariadb:10.10.2
=> [db 2/2] RUN mkdir /test
=> [db] exporting to image
=> => exporting layers
=> => writing image sha256:54616163081e4a3ede30ef82ce54e04b9044e41f9cd2aec47cb0361671b05599
=> => naming to docker.io/library/sem5-db
[+] Running 4/4
✔ Network sem5_default      Created
✔ Container sem5-db-2       Created
✔ Container sem5-adminere-1 Created
✔ Container sem5-db-1       Created
Attaching to sem5-adminere-1, sem5-db-1, sem5-db-2
sem5-db-1      | 2023-07-22 11:07:17+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.10.2+maria-ubu2204 started.
sem5-adminere-1 | [Sat Jul 22 11:07:17 2023] PHP 7.4.33 Development Server (http://[::]:8080) started
sem5-db-1      | 2023-07-22 11:07:17+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
sem5-db-1      | 2023-07-22 11:07:17+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.10.2+maria-ubu2204 started.
sem5-db-1      | 2023-07-22 11:07:18+00:00 [Note] [Entrypoint]: Initializing database files
sem5-db-2      | 2023-07-22 11:07:18+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.10.2+maria-ubu2204 started.
sem5-db-2      | 2023-07-22 11:07:18+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
sem5-db-2      | 2023-07-22 11:07:18+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.10.2+maria-ubu2204 started.
sem5-db-2      | 2023-07-22 11:07:18+00:00 [Note] [Entrypoint]: Initializing database files
sem5-db-1      |
sem5-db-1      | PLEASE REMEMBER TO SET A PASSWORD FOR THE MariaDB root USER !
sem5-db-1      | To do so, start the server, then issue the following command:
sem5-db-1      |
sem5-db-1      | '/usr/bin/mysql_secure_installation'
sem5-db-1      |
sem5-db-1      | which will also give you the option of removing the test
sem5-db-1      | databases and anonymous user created by default. This is
sem5-db-1      | strongly recommended for production servers.
sem5-db-1      |
sem5-db-1      | See the MariaDB Knowledgebase at https://mariadb.com/kb
sem5-db-1      |
sem5-db-1      | Please report any problems at https://mariadb.org/jira
sem5-db-1      |
sem5-db-1      | The latest information about MariaDB is available at https://mariadb.org/.
sem5-db-1      | Consider joining MariaDB's strong and vibrant community:

```

root@Ubuntu: /home/lpanda/sem5

root@Ubuntu: /home/lpanda/lk5

```
lpanda@Ubuntu: ~/lk5$ su
Пароль:
root@Ubuntu: /home/lpanda/lk5# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                    NAMES
f0b7294e237b   sem5-db    "docker-entrypoint.s..." 21 seconds ago Up 19 seconds 3306/tcp                sem5-db-1
cc6e01672368   adminer:4.8.1 "entrypoint.sh php -..." 21 seconds ago Up 19 seconds 0.0.0.0:6080->8080/tcp, :::6080->8080/tcp  sem5-adminere-1
f4b519085e67   sem5-db    "docker-entrypoint.s..." 21 seconds ago Up 18 seconds 3306/tcp                sem5-db-2
root@Ubuntu: /home/lpanda/lk5#
```

```
lpanda@Ubuntu:~/lk5$ su
Пароль:
root@Ubuntu:/home/lpanda/lk5# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
f0b7294e237b   sem5-db        "docker-entrypoint.s..." 21 seconds ago Up 19 seconds 3306/tcp                sem5-db-1
cc6e01672368   adminer:4.8.1  "entrypoint.sh php -..." 21 seconds ago Up 19 seconds 0.0.0.0:6080->8080/tcp, :::6080->8080/tcp  sem5-adminere-1
f4b519085e67   sem5-db        "docker-entrypoint.s..." 21 seconds ago Up 18 seconds 3306/tcp                sem5-db-2
root@Ubuntu:/home/lpanda/lk5#
```

Выбрать базу данных - X

localhost:6080/?server=db&username=root

Язык: РусскийMySQL » db

Adminer 4.8.1

DB:

SQL-запросИмпортЭкспорт

Выбрать базу данных

[Создать базу данных](#)[Полномочия](#)[Список процессов](#)[Переменные](#)[Состояние](#)

Версия MySQL: 5.5.5-10.10.2-MariaDB-1:10.10.2+maria~ubu2204 с PHP-расширением MySQL

Вы вошли как: root@172.20.0.3

	База данных - Обновить	Режим сопоставления	Таблицы	Размер - Вычислить
<input type="checkbox"/>	information_schema	utf8mb3_general_ci	?	?
<input type="checkbox"/>	mysql	utf8mb4_general_ci	?	?
<input type="checkbox"/>	performance_schema	utf8mb3_general_ci	?	?
<input type="checkbox"/>	sys	utf8mb3_general_ci	?	?

Выбранные (0)

```
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-7pdglv
    uss7ull9fkmz6k39yqz 192.168.0.100:2377

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

```
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@Ubuntu:/home/lpanda# docker node ls
```

ID	HOSTNAME	STATUS	AVAILABILITY	MANAGER STATUS	ENGINE VERSION
nhp2eosyd8najc2p6k4qb37lp *	Ubuntu	Ready	Active	Leader	24.0.4
r5k672752hyrfwett9vn3n9yt	lpanda2	Ready	Active		20.10.21

```
root@Ubuntu:/home/lpanda# docker node update --label-add tokyo r5k672752hyrfwett9vn3n9yt
r5k672752hyrfwett9vn3n9yt
root@Ubuntu:/home/lpanda# docker node ls
ID                                HOSTNAME    STATUS    AVAILABILITY    MANAGER STATUS    ENGINE VERSION
Nhp2e0syd8najc2p6k4qb37lp *    Ubuntu     Ready     Active           Leader             24.0.4
r5k672752hyrfwett9vn3n9yt        lpanda2    Ready     Active           Shared              20.10.21
root@Ubuntu:/home/lpanda# docker service create --name nginx --label tokyo --replicas 3 nginx:alpine
hj5imifx660k2zncc58ln76nd
overall progress: 3 out of 3 tasks
1/3: running
2/3: running
3/3: running
verify: Service converged
```

Ubuntu [Pa80raen] - Oracle VM VirtualBox

Файл Машина Вид Ввод Устройства Справка

Обзор Терминал Сб, 22 июля 14:57 en

root@Ubuntu: /home/lpanda

```
root@Ubuntu:/home/lpanda# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
b4f7c911f91c	nginx:alpine	"/docker-entrypoint..."	2 minutes ago	Up 2 minutes	80/tcp
nginx.3.6onjutyn8l4okhrteknnon87c					

root@Ubuntu:/home/lpanda#

Ubuntu2 [Pa80raen] - Oracle VM VirtualBox

Файл Машина Вид Ввод Устройства Справка

Обзор Терминал Сб, 22 июля 14:57 en

root@lpanda2: /home/lpanda2

```
root@lpanda2:/home/lpanda2# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
f6b5fac73907	nginx:alpine	"/docker-entrypoint..."	2 minutes ago	Up 2 minutes	80/tcp
nginx.1.uvh8ul8ac3u3sm5sdisy7875b					
00cea932b56e	nginx:alpine	"/docker-entrypoint..."	2 minutes ago	Up 2 minutes	80/tcp
nginx.2.h3c3t9j4fr5h3vpp0peuqglsh					

root@lpanda2:/home/lpanda2#