

1)Сбилдить свой имейдж на основе имейджа mariaDB используя Dockerfile. Сделать свой конфиг для mariaDB и заменить конфиг базового имейджа используя Dockerfile. Допустим поменять порт, максимальное использование памяти и т.д.

Команды:

```
nano mariadb.cnf
```

```
innodb_log_file_size=512M (было 256)
```

```
nano dockerfile
```

```
FROM mariadb:10.10.2
```

```
COPY mariadb.cnf /var/www/gb/docker/4/dockerfile
```

```
docker build -t mymaria-2 .
```

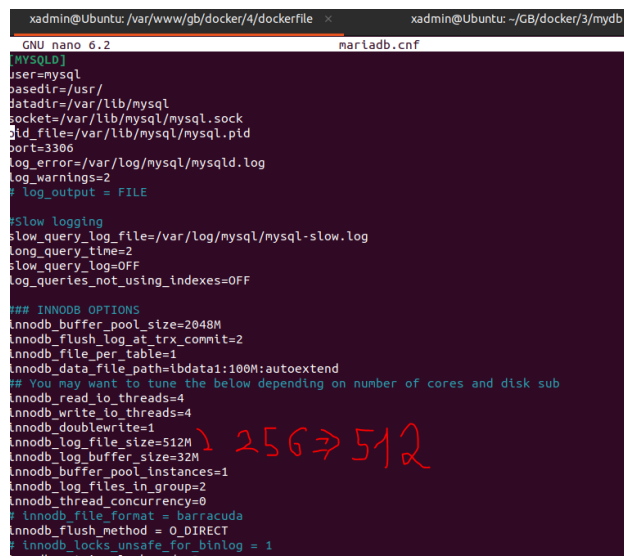
```
docker run --name test-mariadb-mymaria -e MYSQL_ROOT_PASSWORD=test123 -d mymaria-2
```

Код:

```
xadmin@Ubuntu:~/GB/docker/3/mydb$ sudo mv mariadb.cnf /var/www/gb/docker/4/dockerfile
```

```
xadmin@Ubuntu:~/GB/docker/3/mydb$ cd /var/www/gb/docker/4/dockerfile
```

```
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo nano mariadb.cnf
```



```
GNU nano 6.2 mariadb.cnf
[MYSQLD]
user=mysql
basedir=/usr/
datadir=/var/lib/mysql
socket=/var/lib/mysql/mysql.sock
pid_files=/var/lib/mysql/mysql.pid
port=3306
log_error=/var/log/mysql/mysql.log
log_warnings=2
log_output = FILE

#Slow logging
slow_query_log_file=/var/log/mysql/mysql-slow.log
long_query_time=2
slow_query_log=OFF
log_queries_not_using_indexes=OFF

## INNODB OPTIONS
innodb_buffer_pool_size=2648M
innodb_flush_log_at_trx_commit=2
innodb_file_per_table=1
innodb_data_file_path=ibdata1:100M:autoextend
# You may want to tune the below depending on number of cores and disk sub
innodb_read_io_threads=4
innodb_write_io_threads=4
innodb_doublewrite=1
innodb_log_file_size=512M 256 -> 512
innodb_log_buffer_size=32M
innodb_buffer_pool_instances=1
innodb_log_files_in_group=2
innodb_thread_concurrency=0
# innodb_file_format = barracuda
innodb_flush_method = O_DIRECT
# innodb_locks_unsafe_for_binlog = 1
innodb_autoinc_lock_mode=2
```

```
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo nano dockerfile
```

```
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker build -t mymaria-2 .
```

```
Sending build context to Docker daemon 8.192kB
```

```
Step 1/2 : FROM mariadb:10.10.2
```

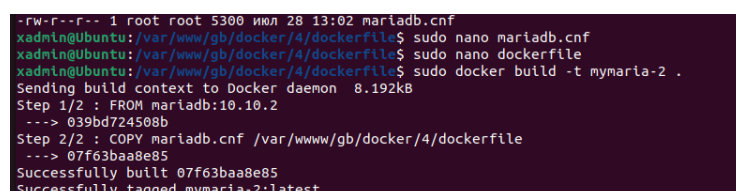
```
---> 039bd724508b
```

```
Step 2/2 : COPY mariadb.cnf /var/www/gb/docker/4/dockerfile
```

```
---> 07f63baa8e85
```

```
Successfully built 07f63baa8e85
```

```
Successfully tagged mymaria-2:latest
```



```
-rw-r--r-- 1 root root 5300 июл 28 13:02 mariadb.cnf
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo nano mariadb.cnf
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo nano dockerfile
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker build -t mymaria-2 .
Sending build context to Docker daemon 8.192kB
Step 1/2 : FROM mariadb:10.10.2
---> 039bd724508b
Step 2/2 : COPY mariadb.cnf /var/www/gb/docker/4/dockerfile
---> 07f63baa8e85
Successfully built 07f63baa8e85
Successfully tagged mymaria-2:latest
```

```
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker run --name test-mariadb-mymaria -e
MYSQL_ROOT_PASSWORD=test123 -d mymaria-2
7cbb201861dda859776977279da1981b196245ba7e776891a5156f4c1b1c0c0b
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
NAMES
7cbb201861dd   mymaria-2 "docker-entrypoint.s..." 11 seconds ago Up 11 seconds  3306/tcp
test-mariadb-mymaria
205a42128440   nginx-new "nginx -g 'daemon of..." 3 hours ago   Up 3 hours    0.0.0.0:8083-
>80/tcp, :::8083->80/tcp nginx-new
```

2)Запустить phpmysqladmin (в контейнере) и через веб проверить, что все введенные данные доступны.

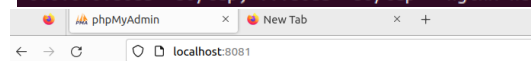
Команды:


```
docker run --name my-phpmyadmin-maria -d --link test-mariadb-mymaria:db -p 8081:80
phpmyadmin/phpmyadmin
```

Код:

```
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker run --name my-phpmyadmin-maria -
d --link test-mariadb-mymaria:db -p 8081:80 phpmyadmin/phpmyadmin
04dd09b40e5d58bbc1b3b2f716f7d35d5d6f6fe5fa882666741a934506e51ceb
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS
NAMES
04dd09b40e5d   phpmyadmin/phpmyadmin "/docker-entrypoint...." 24 seconds ago Up 23 seconds
0.0.0.0:8081->80/tcp, :::8081->80/tcp my-phpmyadmin-maria
7cbb201861dd   mymaria-2 "docker-entrypoint.s..." 7 minutes ago   Up 7 minutes   3306/tcp
test-mariadb-mymaria
205a42128440   nginx-new "nginx -g 'daemon of..." 3 hours ago   Up 3 hours    0.0.0.0:8083-
>80/tcp, :::8083->80/tcp nginx-new
```

```
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker run --name my-phpmyadmin-maria -d --l
ink test-mariadb-mymaria:db -p 8081:80 phpmyadmin/phpmyadmin
04dd09b40e5d58bbc1b3b2f716f7d35d5d6f6fe5fa882666741a934506e51ceb
xadmin@Ubuntu:/var/www/gb/docker/4/dockerfile$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS
PORTS
04dd09b40e5d   phpmyadmin/phpmyadmin "/docker-entrypoint...." 24 seconds ago Up 23 seconds
0.0.0.0:8081->80/tcp, :::8081->80/tcp my-phpmyadmin-maria
7cbb201861dd   mymaria-2 "docker-entrypoint.s..." 7 minutes ago Up 7 minutes
3306/tcp
test-mariadb-mymaria
205a42128440   nginx-new "nginx -g 'daemon of..." 3 hours ago Up 3 hours
0.0.0.0:8083->80/tcp, :::8083->80/tcp nginx-new
```




Добро пожаловать в phpMyAdmin

Язык (Language)
Русский - Russian

Авторизация

Пользователь:
Пароль:

Авторизация

