

Section 3. „Production-grade Database Engines - MariaDB”

Links:

https://hub.docker.com/_/mariadb

<https://github.com/pythonincontainers/django-polls>

<https://pypi.org/project/dj-database-url/>

Commands:

```
$ docker volume create maria_vol

$ docker run -d --name db --network polls_net -e
"MYSQL_DATABASE=pollsdb" -e "MYSQL_USER=pollsuser" -e
"MYSQL_PASSWORD=pollspass" -e "MYSQL_ROOT_PASSWORD=myprecious" -
v maria_vol:/var/lib/mysql mariadb

$ docker build -t django-polls:mariadb -f Dockerfile.mariadb --
build-arg BaseImage=gunicorn .

$ docker run -it --rm --network polls_net django-polls:mariadb
python manage.py migrate

$ docker run -it --rm --network polls_net django-polls:mariadb
python manage.py loaddata initial_data.json

$ docker run -it --rm --network polls_net django-polls:mariadb
python manage.py createsuperuser

$ docker run -it --rm --network polls_net -p 8000:8000 django-
polls:mariadb

$ docker build -t django-polls:db-universal -f Dockerfile.db-
universal --build-arg BaseImage=gunicorn .

$ docker run -it --rm --network polls_net -p 8000:8000 -e
"DATABASE_URL=mysql://pollsuser:pollspass@db/pollsdb" django-
polls:db-universal

$ docker run -it --rm --network polls_net -p 8000:8000 -e
"DATABASE_URL=postgres://pollsuser:pollspass@db/pollsdb" django-
polls:db-universal
```