Section 3. „The need of Automation”

Commands:

```
$ git clone https://github.com/pythonincontainers/base_image

$ cd base_image

$ docker build -t django -f Docker.mydjango .

$ docker build -t uwsgi -f Docker.myuwsgi .

$ cd ..

$ git clone https://github.com/pythonincontainers/django-polls

$ docker build -t django-polls:uwsgi4nginx -f
Dockerfile.uwsgi4nginx --build-arg BaseImage=uwsgi .

$ docker network create polls_net

$ docker volume rm polls_vol

$ docker volume create polls_vol

$ docker kill db app1 app2 proxy

$ docker rm -f db app1 app2 proxy

$ docker run -d --network polls_net -e "POSTGRES_USER=pollsuser"
-e "POSTGRES_PASSWORD=pollspass" -e "POSTGRES_DB=pollsdb" --name
db -v polls_vol:/var/lib/postgresql/data postgres

$ docker logs db

$ docker run -it --rm --network polls_net -e
"DATABASE_URL=postgres://pollsuser:pollspass@db/pollsdb" django-
polls:uwsgi4nginx python manage.py migrate

$ docker run -it --rm --network polls_net -e
"DATABASE_URL=postgres://pollsuser:pollspass@db/pollsdb" django-
polls:uwsgi4nginx python manage.py loaddata initial_data.json
```

```
$ docker run -it --rm --network polls_net -e
"DATABASE_URL=postgres://pollsuser:pollspass@db/pollsdb" django-
polls:uwsgi4nginx python manage.py createsuperuser

$ docker run -d -e
"DATABASE_URL=postgres://pollsuser:pollspass@db/pollsdb" --
network polls_net --name app1 django-polls:uwsgi4nginx

$ docker run -d -e
"DATABASE_URL=postgres://pollsuser:pollspass@db/pollsdb" --
network polls_net --name app2 django-polls:uwsgi4nginx

$ docker build -t mynginx:ssl -f Dockerfile.nginx-ssl .

$ docker run -d --name proxy --network polls_net -p 443:443 -v
${PWD}/mysite_nginx_ssl_lb.conf:/etc/nginx/conf.d/mysite_nginx_s
sl.conf mynginx:ssl
```