Section 5. „Stand-alone Containers in Swarm”

Commands:

```
$ docker-machine ssh swarm-wrk1

$ docker-machine env swarm-wrk1

$ docker run -d --name hello -p 5000:5000
pythoninctontainers/simple-flask

$ docker ps

$ docker-machine ip swarm-wrk1

$ docker-machine ssh swarm-mgr1 docker ps -a

$ docker-machine ip swarm-wrk2

$ docker network create –driver overlay –attachable cluster_net

$ docker-machine env swarm-mgr1

$ docker network ls

$ docker run -d --name db --network cluster_net -e
POSTGRES_USER=pollsuser -e POSTGRES_PASSWORD=pollspass -e
POSTGRES_DB=pollsdb postgres:11.3

$ docker logs db

$ docker-machine env swarm-wrk1

$ docker network ls

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

$ docker logs app1

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

```
$ docker network ls

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

$ docker-machine env swarm-wrk2

$ docker run -d --name proxy --network cluster_net -p 8000:8000
pythonincontainers/mynginx:latest

$ docker-machine ip swarm-wrk2

$ docker rm -f proxy

$ docker-machine ssh swarm-wrk1 docker rm -f app1

$ docker-machine env swarm-mgr1

$ docker rm -f db

$ docker volume ls

$ docker volume rm ….

$ docker network rm cluster_net
```