Section 5. „Service Modes and Ingress Routing Mesh”

Commands:

```
$ docker network create --driver overlay --attachable hello_net

$ docker network ls

$ docker service create -d --name replicated --replicas 1 --
network hello_net pythonincontainers/flask-hostname

$ docker service inspect replicated --pretty

$ docker service ps replicated

$ docker-machine ssh swarm-wrk1 docker ps

$ docker-machine ssh swarm-wrk1 docker kill
replicated.1.ndq2f57v2ykep9jy9fyo4uetu # Update Container name

$ docker-machine ssh swarm-wrk1 docker ps

$ docker service ps replicated

$ docker run -it --rm --network hello_net alpine

# ping -c 1 replicated

# nslookup replicated

# nslookup tasks.replicated

# exit

$ docker service update --replicas 2 replicated

$ docker run -it --rm --network hello_net alpine

# nslookup replicated

# nslookup tasks.replicated

# ping -c 1 tasks.replicated

# exit
```

```
$ docker service rm replicated

$ docker service create --name global --network hello_net --mode
global pythonincontainers/flask-hostname

$ docker service ps global

$ docker node ls

$ docker-machine create swarm-wrk3

$ docker swarm join-token worker

$ docker-machine ssh swarm-wrk3 docker swarm joint –token ….

$ docker service create --name replicated --network hello_net --
replicas 2 --publish published=5000,target=5000,mode=ingress
pythonincontainers/flask-hostname

$ docker-machine ip swarm-mgr1

$ docker-machine ip swarm-wrk1

$ docker-machine ip swarm-wrk2

$ docker-machine ip swarm-wrk3

$ docker service create --name global --network hello_net --mode
global --publish published=5001,target=5000,mode=host
pythonincontainers/flask-hostname

$ docker service create --name replicated2 --network hello_net -
-replicas 2 --publish published=5002,target=5000,mode=host
pythonincontainers/flask-hostname
```