

docker-swarm YML

YML format version ->	version: "3"
a service definition ->	services:
custom service configuration ->	web: image: username/repo:tag deploy: replicas: 5 restart_policy: condition: on-failure resources: limits: cpus: "0.1" memory: 50M
resource limitations ->	ports: - "80:80"
this is speculative, based on cycles ->	networks: - webnet
custom defined network reference ->	visualizer: image: dockersamples/visualizer:stable ports: - "8080:8080" volumes: - "/var/run/docker.sock:/var/run/docker.sock" deploy: placement: constraints: [node.role == manager]
constraint on scheduling ->	networks: - webnet
custom network definition ->	networks: webnet:

docker-swarm processes

What is it?

- Scheduling is based on location, availability, affinity and other constraints (which can be based on user-tagging of resources)
- Swarm API EXTENDS the docker remote API, so the local CLI user is unaware that they are talking to a cluster

