

Docker Swarm Cheat Sheet

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CLI Commands

Swarm Management

```
docker swarm init --advertise-addr <ip>    # Set up master
docker swarm init --force-new-cluster -advertise-addr <ip>    # Force manager on broken cluster

docker swarm init --auto-lock                # Enable auto lock

docker swarm join-token worker               # Get token to join workers
docker swarm join-token manager             # Get token to join new manager

docker swarm join <server> worker           # Join host as a worker

docker swarm leave

docker swarm unlock                          # Unlock a manager host after docker
                                           # daemon restart when autolock is on

docker swarm unlock-key                     # Print key needed for 'unlock'
```

Handling nodes

```
docker node ls                              # Print swarm node list
docker node rm <node id>
docker node inspect --pretty <node id>

docker node promote <node id>               # Promote node to manager
docker node demote <node id>
```

Labelling nodes

```
docker node update --label-add <key>=<value> <node>      # Add label
docker node update --label-rm <key> <node>               # Remove label
docker node inspect <node> | grep Labels -C5             # List labels
```

Rebalancing

Forced rebalance (dangerous)

```
for svc in $(docker service ls -q) ; do docker service update $svc --force ; done
```

Draining a node

```
docker node update --availability drain <node id>
```

Undrain

```
docker node update --availability active <node id>
```

Managing Services

```
docker stack ls
docker stack rm <name>
```

```
docker service create <image>
docker service create --name <name> --replicas <number of replicas> <image>
docker service scale <name>=<number of replicas>
docker service rm <service id|name>
docker service ls                                # list all services
docker service ps <service id|name>              # list all tasks for given service
docker service ps --filter desired-state=running <service id|name> # list running (active) tasks for
docker service logs --follow <service id|name>   # print console log of a service
```

