

# Setting up Jenkins pipeline to Deploy Docker Swarm

## step 01

initiatize Docker swarm on the manager node

↳ `docker swarm init` ip address

## step 02

Joining worker nodes to the swarm

↳ Running the command prompt by `docker swarm init`

## step 03

checking the swarm nodes

↳ To verify use `docker node ls`

## step 04

Create an overlay network

↳ `docker network create --driver overlay mynetwork`

## step 05

Deploy service to the swarm

↳ By using `--network mynetwork -p 8080:80 nginx`

## step 06

To check service status

↳ `docker service ls`

docker service ps web

## step 07

Access service

we can access the service in a web application.

running on port 8080, by using `curl -i > : 8080` in the prompt