

Orquestación con Docker Swarm

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Try New Roads

- Crear red para los nodos

```
docker network create --driver bridge swarm-net
```

- Crear manager

```
docker run -d --privileged --name swarm-manager \  
--hostname swarm-manager \  
--network swarm-net \  
-p 2377:2377 \  
-p 7946:7946 \  
-p 4789:4789 \  
docker:dind
```

- Iniciar el swarm

```
docker exec -it swarm-manager docker swarm init --advertise-addr eth0
```

- Obtener token

```
docker exec swarm-manager docker swarm join-token worker -q
```

- Crear nodos

```
docker run -d --privileged --name swarm-worker1 \  
  --hostname swarm-worker1 \  
  --network swarm-net \  
  docker:dind
```

```
docker run -d --privileged --name swarm-worker2 \  
  --hostname swarm-worker2 \  
  --network swarm-net \  
  docker:dind
```

- Añadir nodos al swarm

```
docker exec swarm-worker1 docker swarm join --token $TOKEN swarm-manager:2377  
docker exec swarm-worker2 docker swarm join --token $TOKEN swarm-manager:2377
```

- Mostrar nodos

```
docker exec swarm-manager docker node ls
```

- Limpiar swarm

```
docker stop swarm-manager swarm-worker1 swarm-worker2  
docker rm swarm-manager swarm-worker1 swarm-worker2  
docker network rm swarm-net
```

- Crear un servicio nginx

```
docker exec swarm-manager docker service create --name web --replicas 3 -p 8080:80 nginx
```

```
docker exec swarm-manager docker node update --availability pause swarm-worker1
```

```
docker exec swarm-manager docker node update --availability drain swarm-worker1
```

```
docker exec swarm-manager docker node update --availability active swarm-worker1
```

```
docker stop swarm-worker1
```