



Each question will be displayed for 10 seconds
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Is Docker Swarm automatically
enabled?

No, by default, Docker Swarm is
not available

What are the types of nodes in a
Docker swarm?

Manager and worker

How do you enable the first
node of a Docker Swarm?

docker swarm init

How do you list running
services?

docker service ls

How do you add a node to a
swarm cluster?

```
docker swarm join —token  
<token> —listen-addr <ip:port>
```

Can manager nodes run
containers?

Yes, manager nodes normally
run containers

How do you retrieve the join
token?

docker swarm join-token

How do you list nodes in a cluster?

docker node ls

Can you run 'docker node ls'
from a worker node?

No. Docker Swarm commands can only be run from manager nodes

How do you list services in a
Docker swarm?

docker service ls

How do you list containers in a service?

```
docker service ps <service  
name>
```

How do you remove a service?


```
docker service rm <service  
name>
```

How do you remove a node
from a swarm cluster?

```
docker node rm <node name>
```

How do you promote a node
from worker to manager?

```
docker node promote <node  
name>
```

How do you change a node
from a manager to a worker?

```
docker node demote <node  
name>
```

How do you map a host port to
a container port?

-p <host port>:<container port>

Example:

docker run -p 8080:8080 <image name>

