



DOCKER SWARM INITIALIZATION

DevOps Certification Training

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CREATING A SERVICE IN DOCKER SWARM

Step 1: Follow the below syntax, to create a service:

```
$ docker service create --name <name-of-service> --replicas <number-of-replicas> --publish <port-mapping> <image-name>
```

```
ubuntu@ip-172-31-45-114: ~  
ubuntu@ip-172-31-45-114:~$ docker service create --name nginx1 --replicas 3 --publish 80:80 nginx:latest  
rynwyeibmguaao3tgm7l32tq  
overall progress: 3 out of 3 tasks  
1/3: running  
2/3: running  
3/3: running  
verify: Service converged  
ubuntu@ip-172-31-45-114:~$
```

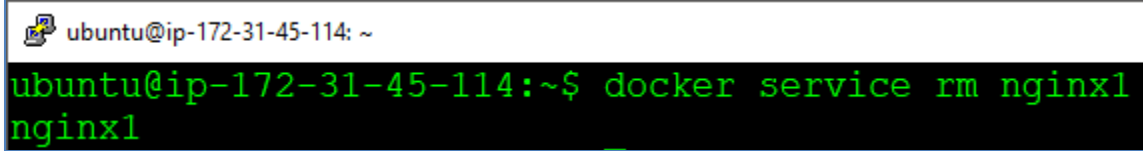
Step 2: To List the service(s), you have created. Use the following command:

```
$ docker service ls
```

```
ubuntu@ip-172-31-45-114: ~  
ubuntu@ip-172-31-45-114:~$ docker service ls  
ID                NAME                MODE                REPLICAS  
IMAGE            PORTS  
rynwyeibmgua     nginx1              replicated          3/3  
nginx:latest     *:80->80/tcp  
ubuntu@ip-172-31-45-114:~$
```

Step 3: To delete the service(s), you have created. Use the following command:

```
$ docker service rm <service-name>
```

A screenshot of a terminal window. The top bar shows a user icon, the text "ubuntu@ip-172-31-45-114: ~", and a close button. The main area has a black background with green text. It shows the command "docker service rm nginx1" being entered on one line, and the prompt "nginx1" on the next line, indicating the command is still being processed or the prompt is wrapped.

```
ubuntu@ip-172-31-45-114: ~  
ubuntu@ip-172-31-45-114:~$ docker service rm nginx1  
nginx1
```