Phase5--4.4 Container Scaling with Docker Swarm


```
02cf1a290523: Layer already exists
a43ad5ba93f8: Layer already exists
59c56aee1fb4: Layer already exists
latest: digest: sha256:b27c5e8c009a5e2c97e5e7bd7509104b6853efe8f3192655746f75bfac191e1f size: 1785

C:\Windows\System32\Docker>docker ps
CONTAINER ID   IMAGE     COMMAND               CREATED       STATUS          PORTS                  NAMES
f2f9a145d7ad   phpcode   "/usr/sbin/apache2 -…"  5 hours ago   Up 9 minutes    0.0.0.0:80->80/tcp     My-phpContainer

C:\Windows\System32\Docker>docker swarm init
Swarm initialized: current node (miv438hooskyqbtn0umqp3pa3) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-5tn4x4h8bekbufwv9isgnw5nbpzg7amenbc5su1zpvli3tavfy-0fk74fn6cyzpk4ucl7o5zhyy7 192.168.65.4:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

C:\Windows\System32\Docker>docker swarm init --advertise-addr 80
Error response from daemon: This node is already part of a swarm. Use "docker swarm leave" to leave this swarm and join another one.

C:\Windows\System32\Docker>docker node ls
ID                             HOSTNAME         STATUS    AVAILABILITY   MANAGER STATUS   ENGINE VERSION
miv438hooskyqbtn0umqp3pa3 *    docker-desktop   Ready     Active         Leader           24.0.2

C:\Windows\System32\Docker>
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C:\Windows\System32\Docker>docker service create -p 80:80 --name webserver phpcode
image phpcode:latest could not be accessed on a registry to record
its digest. Each node will access phpcode:latest independently,
possibly leading to different nodes running different
versions of the image.

rdf0yxporejo5ffpxf910r99b
overall progress: 1 out of 1 tasks
1/1: running   [==================================================>]
verify: Service converged

C:\Windows\System32\Docker>
```

Select Administrator: Command Prompt

```
C:\Windows\System32\Docker>docker service scale=2

Usage:  docker service COMMAND

Manage Swarm services

Commands:
  create     Create a new service
  inspect    Display detailed information on one or more services
  logs       Fetch the logs of a service or task
  ls         List services
  ps         List the tasks of one or more services
  rm         Remove one or more services
  rollback   Revert changes to a service's configuration
  scale      Scale one or multiple replicated services
  update     Update a service

Run 'docker service COMMAND --help' for more information on a command.

C:\Windows\System32\Docker>docker service ls
ID            NAME        MODE        REPLICAS   IMAGE           PORTS
rdf0yxporejo  webserver   replicated  1/1        phpcode:latest  *:80->80/tcp

C:\Windows\System32\Docker>docker service scale  webserver=2
webserver scaled to 2
overall progress: 2 out of 2 tasks
1/2: running   [==================================================>]
2/2: running   [==================================================>]
verify: Service converged

C:\Windows\System32\Docker>docker service ls
ID            NAME        MODE        REPLICAS   IMAGE           PORTS
rdf0yxporejo  webserver   replicated  2/2        phpcode:latest  *:80->80/tcp

C:\Windows\System32\Docker>
```

Activate Windows
Go to Settings to activate Windows.

Type here to search   ENG   21:33 31/07/2023

```
Administrator: Command Prompt

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