

Run Container from an Image

SSH to your AWS Workstation

ssh devops@<public-ip-addr> of your Workstation

Password is : Dev0p\$!!!

Replace <your-name> with your name throughout the lab.

1. To list all the images available on the local repo run the below command.

```
$ su
# docker images
```

```
root@ip-172-31-40-214: /home/devops/application# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
nginx                latest             27a188018e18       13 hours ago       109MB
nginx                stable             295c7be07902       3 weeks ago        109MB
hello-world          latest             fce289e99eb9       3 months ago       1.84kB
root@ip-172-31-40-214: /home/devops/application#
```

2. To run a container from the local image run -

```
# docker run -d -p 80:80 --name dockerdemo-<your-name> nginx:latest
```

The above command will run the nginx container with the latest tag and in detached mode (-d) with ports 80 of nginx container mapped to the port 80 of Host machine. The --name switch is used to name the docker container.

3. To check the running Containers

```
# docker ps
```

```
root@ip-172-31-78-220: /home/devops# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
36f84b5630f1   nginx    "nginx -g 'daemon of..." 2 seconds ago    Up 1 second    0.0.0.0:80->80/tcp    dockerdemo
root@ip-172-31-78-220: /home/devops#
```

4. Open a web browser and browse the Public-ip-address of your AWS Workstation

You will be able to see the nginx welcome page that is running on the Docker container.

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org. Commercial support is available at nginx.com.

Thank you for using nginx.

5. To stop a container from the

```
# docker stop dockerdemo-<your-name>
```

6. And, to start a stopped container do

```
# docker start dockerdemo-<your-name>
```

```
root@ip-172-31-40-214:/home/devops/application# docker stop dockerdemo-albert
dockerdemo-albert
root@ip-172-31-40-214:/home/devops/application# docker start dockerdemo-albert
dockerdemo-albert
root@ip-172-31-40-214:/home/devops/application# █
```

7. STOP the containers before proceeding to the next lab

```
# docker stop dockerdemo-<your-name>
```

8. Check all the container in stopped state

```
# docker ps -a
```

9. To remove all the container in stopped state run the below command.

```
# docker rm $(docker ps -a -q)
```