**5 Docker - Pull Docker Image from Docker Hub and Run it locally**

--- **note** – in this lecture, I will pull a docker image form docker hub and run it as docker image

--- Reference - <https://github.com/stacksimplify/docker-fundamentals/tree/master/03-Pull-from-DockerHub-and-Run-Docker-Images>

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**Pull Docker Image from Docker Hub and Run it**

**Verify Docker version and also login to Docker Hub**

--- **docker version**

--- **docker login**

**Pull Image from Docker Hub**

--- **docker pull stacksimplify/dockerintro-springboot-helloworld-rest-api:1.0.0-RELEASE**

**Run the downloaded Docker Image & Access the Application**

--- Copy the docker image name from Docker Hub and run the below command.

--- **docker run --name app1 -p 80:8080 -d stacksimplify/dockerintro-springboot-helloworld-rest-api:1.0.0-RELEASE**

--- <http://localhost/hello> - want to access the application internally.

--- 80 is the port exposing over the internet.

--- 8080 is the container port

**# For Mac with Apple Chips (use different application)**

--- **note** - Install Docker with Apple Chips binary (https://docs.docker.com/desktop/mac/install/) on your mac machine

**Run the simple Nginx Application container.**

--- **docker run --name kube1 -p 80:80 --platform linux/amd64 -d stacksimplify/kubenginx:1.0.0**

**## Sample Output**

**kalyanreddy@Kalyans-Mac-mini-2 ~ % docker run --name kube1 -p 80:80 --platform linux/amd64 -d stacksimplify/kubenginx:1.0.0**

370f238d97556813a4978572d24983d6aaf80d4300828a57f27cda3d3d8f0fec

**kalyanreddy@Kalyans-Mac-mini-2 ~ %** **curl http://localhost**

<!DOCTYPE html>

<html>

<body style="background-color:lightgoldenrodyellow;">

<h1>Welcome to Stack Simplify</h1>

<p>Kubernetes Fundamentals Demo</p>

<p>Application Version: V1</p>

</body>

</html>%

**kalyanreddy@Kalyans-Mac-mini-2 ~ %**

**List Running Containers**

--- **docker ps** – to list the running containers.

--- **docker ps -a** – to see the stopped containers.

--- **docker ps -a -q** – it will give us the containers id’s.

**Connect to Container Terminal**

--- **docker exec -it <container-name> /bin/sh**

**Container Stop, Start**

--- **docker stop <container-name>**

--- **docker start <container-name>**

**Remove Container**

--- **docker stop <container-name>**

--- **docker rm <container-name>**

**Remove Image**

--- **docker images**

--- **docker rmi <image-id>**