

Step 1 Download docker :

<https://docs.docker.com/desktop/install/windows-install/>

- Check Hyper-V
- Re start machine (mandatory)

Step – 2 Test docker installed correctly or not

Go to cmd [window key+r]

- a) `docker -v` (to check docker version)
- b) test default image which hello-world
`docker run hello-world` (enter) {it download from cloud and then after it run}
initially it gives unknown image hello-world , so wait a bit it download from cloud

Step – 3 Create the Image of your services (any spring boot application)

- 1) `maven :- clean & maven :- install`
- 2) *.jar file must be created inside target folder
- 3) Create dockerfile
 - a. **FROM** `openjdk:8-jdk-alpine`
 - b. **COPY**
`target/SpringBoot_Microservice_JWT_EurekaServer-1.jar` `SpringBoot_Microservice_JWT_EurekaServer-1.jar`
 - c. **CMD** `java -jar`
`SpringBoot_Microservice_JWT_EurekaServer-1.jar`
- 4) Open terminal from STS itself
 - a. Right click on Project & local terminal
- 5) `docker build . -t abc-image` [Note : .(dot) represent to current working directory]

Step 4 : run the image

`docker run -p <port-number>: <port-number> <image-name>` so

`docker run -p 8761:8761 eureka-server` (enter)