

DevOps Certification Training

Docker Assignment – 3

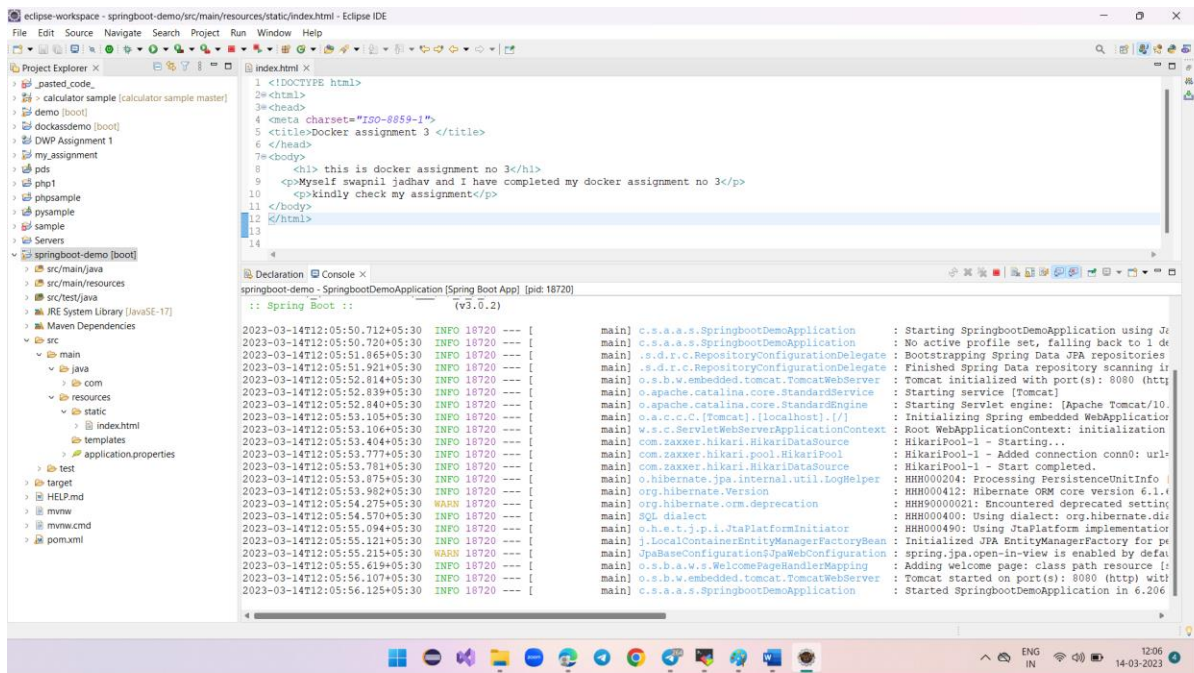
Containerizing Spring boot Application

- By Swapnil Jadhav

An organization XYZ Private Limited has recently transformed their IT application from Monolithic to Microservice Architecture. Now they have been struggling with deployment in such a complex infrastructure and inconsistency across the system. The organization has hired you to help them with simplifying their deployment process by containerizing their applications. They are using spring boot to develop their microservices.

You are requested to do following tasks :

1. Create and download a Spring Boot application with Spring initializr.
2. Import the application into Eclipse.
3. Add an index.html to the main/resources/static folder.
4. Run and verify the application.
5. Write a Dockerfile to containerize the application
6. Build the docker image.
7. Push the docker image to Docker Hub
8. Run on application as container in detached mode and on system port 8089.



this is docker assignment no 3

Myself swapnil jadhav and I have completed my docker assignment no 3

kindly check my assignment




```
43.207.189.48 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
[+] 7 43.207.189.48 (ubuntu)
[+] home/ubuntu/
[+] Name
[+] .
[+] .cache
[+] .cdh
[+] .bash_history
[+] .bash_logout
[+] .bashrc
[+] Dockerfile.zip
[+] .profile
[+] .sudo_as_admin_successful
[+] .Xauthority
[+] addressbook.ver
[+] Dockerfile
[+] springboot-demo.jar
[+] Remote monitoring
[+] Follow terminal folder

⇒ exporting to image 0.2s
⇒ ⇒ exporting layers 0.2s
⇒ ⇒ writing image sha256:c0f74ce30a8a52a113578eedf11845119df63b93816c 0.0s
⇒ ⇒ naming to docker.io/swapnil9519/mylab2:ver3 0.0s
root@ip-172-31-15-165:/home/ubuntu# docker push swapnil9519/mylab2:ver3
The push refers to repository [docker.io/swapnil9519/mylab2]
6352e077a519: Pushed
dc9fa3d8b576: Layer already exists
27ee19dc88f2: Layer already exists
c8dd97366670: Layer already exists
ver3: digest: sha256:72c94099c90650675d329a69e5f090a0d7dab4a76e80cb444127142fd1e21443 size: 1166
root@ip-172-31-15-165:/home/ubuntu# docker run -d -p 8089:8080 swapnil9519/mylab2:ver3
4101a3faba2083ff6557669ee4bdcd571c2a291bec905b5eb28fe18190b63712
root@ip-172-31-15-165:/home/ubuntu# docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED
STATUS            PORTS              NAMES
4101a3faba20      swapnil9519/mylab2:ver3  "java -jar /springbo..." 5 seconds ago
Up 5 seconds      0.0.0.0:8089→8080/tcp, :::8089→8080/tcp  objective_swanson
root@ip-172-31-15-165:/home/ubuntu# vi Dockerfile

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