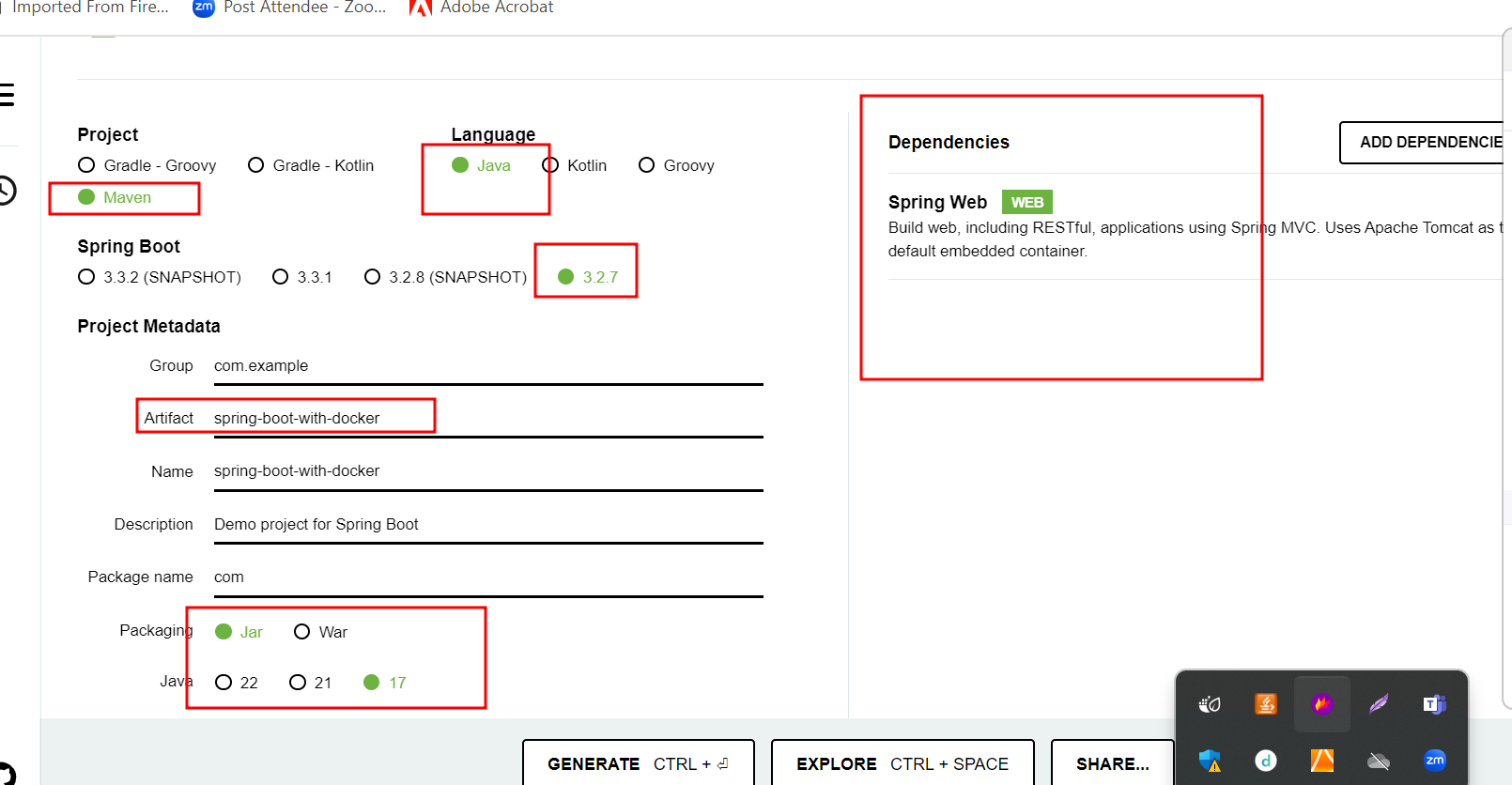
* CB FSD - Integration and Deployment

Day 2 : 9 July 2024

Creating docker image to run spring boot application

Using spring initializer create spring boot project with single starter ie web starter



Create more than one end point and using Eclipse IDE create the jar file with the option run 🡪 maven install.

Then create the Dockerfile

FROM openjdk:17

COPY ./target/spring-boot-with-docker-0.0.1-SNAPSHOT.jar .

CMD ["java","-jar","spring-boot-with-docker-0.0.1-SNAPSHOT.jar"]

Now we need to build the image.

docker build -t my-spring-boot . -f Dockerfile

please verify image created or not using command as

docker images

if image is responsible to run web application we need follow below command to run the image.

docker run -d -p 9090:9090 imageName/imageId

-d : detached mode or background mode

-p : publish port number

9090: right side or red colour is actual application port number.

9090 : left side or green colour is publish port number. It can be same or different.

Now run the image

docker run -d -p 9090:9090 my-spring-boot

docker run -d -p 9091:9090 my-spring-boot

docker run -d -p 9092:9090 my-spring-boot

running the container with user defined name.

docker run --name my-springboot-container-info -d -p 9093:9090 my-spring-boot

then open the browser and check using URL as

<http://localhost:9090>

<http://localhost:9091>

<http://localhost:9092>

container related commands

docker ps

or

docker container ls