

Springboot Deployment on EC2 with docker

1. Build & push a new Docker image with your updated Spring Boot app
2. SSH into EC2 and restart the container using that new image

## 1. On your laptop: rebuild image & push

From your project folder (where `pom.xml` and `Dockerfile` live):

```
# 1) Build the Spring Boot jar  
mvn -DskipTests clean package
```

# 2) Then build a new Docker image.

```
docker build -t sonalilonkar/campus-api:demo .
```

# 3) Now push it to Docker Hub:

```
docker push sonalilonkar/campus-api:demo
```

## 2. SSH into EC2

From your local terminal:

```
ssh -i ~/Downloads/commitstormsshkey.pem ubuntu@16.146.79.242  
# or ubuntu@... if it's an Ubuntu instance
```

Once logged in, go to the folder where your `docker-compose.yml` is  
(often `~/app` in tutorials):

```
cd ~/app
```

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### **3. Pull the new image & restart the container**

From that directory on the EC2 box:

```
docker compose pull      # fetch latest image from Docker Hub  
docker compose up -d     # recreate containers in the background
```

This will stop the old container (if needed) and start a new one with your updated image.

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### **4. Verify the new version is running**

Still on EC2:

```
docker ps          # see running container(s)  
curl -i  
http://alb-cmpmarket-public-1403545222.us-west-2.elb.amazonaws.com/api/health
```

Or hit your EC2 public URL from your browser:

<http://alb-cmpmarket-public-1403545222.us-west-2.elb.amazonaws.com/api/health>