

# **School of Computer Science Engineering and Application**

### **BCA TY SEM VI**

**Subject Name: Container and Orchestration Practical** 

## **Assignment No 6**

Aim: Install Docker compsoe packate on docker then create and run multi-container applications using docker compose.

**Submitted By** 

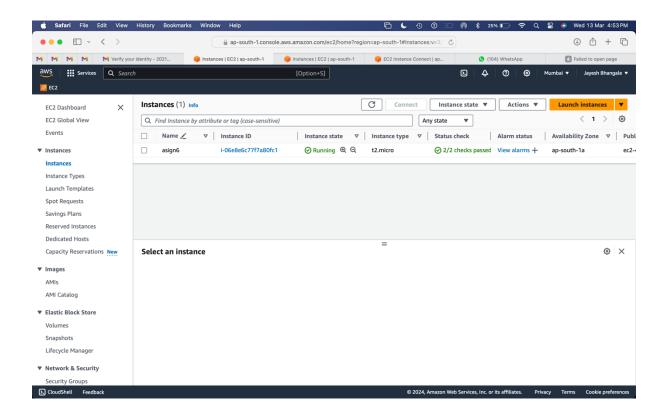
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Date: (06/03/2024)

#### Technology Used: Docker, Container, AWS

### Step 1: Create and instance and connect it:



Step 2: Installing docker compose and its plugin manually.

- curl -SL https://github.com/docker/compose/releases/download/v2.24.6/docker -compose-linux-x86\_64 -o /usr/local/bin/docker-compose
- chmod +x /usr/local/bin/docker-compose
- docker compose version

Create a directory for the project and navigate to this directory.

- mkdir composetest
- cd composetest

Create a file called app.py in your project directory and write the required code.

Create another file called requirements.txt in your project directory and paste the following code:

- > flask
- Redis

Now we have to create Dockerfile and configure it.

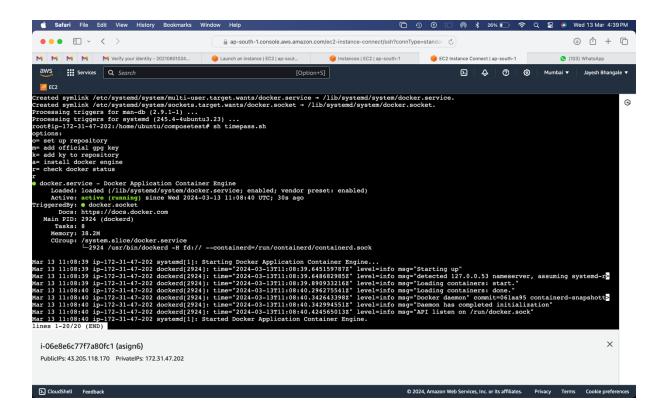
Vim/nano Dockerfile

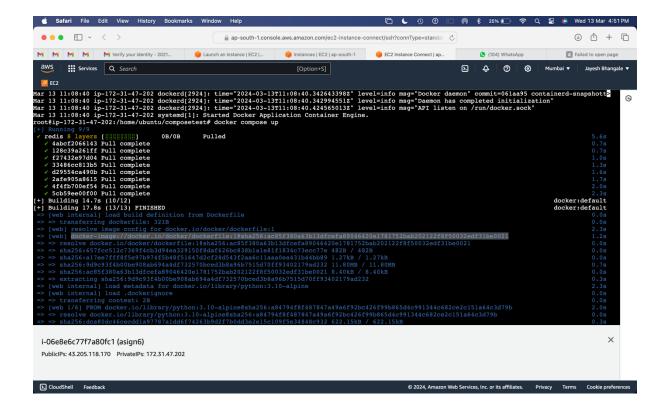
Now we have to create compose.yml and configure it.

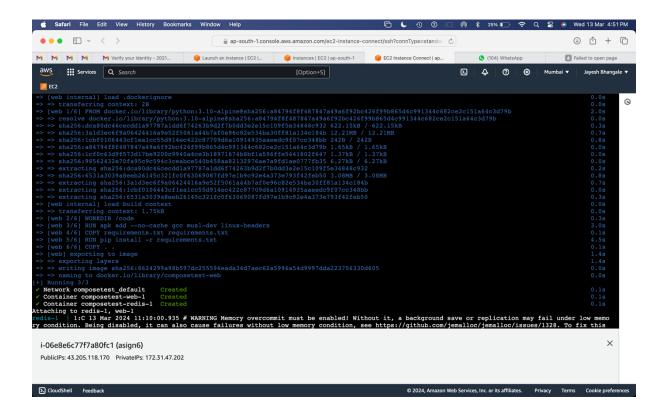
Vim/nano compose.yml

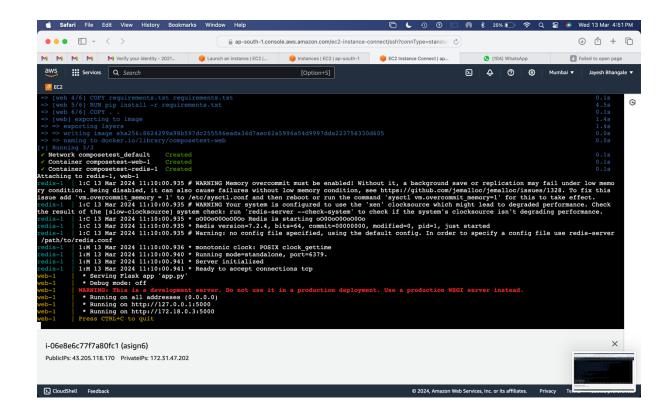
From your project directory, start up your application:

Docker compose up

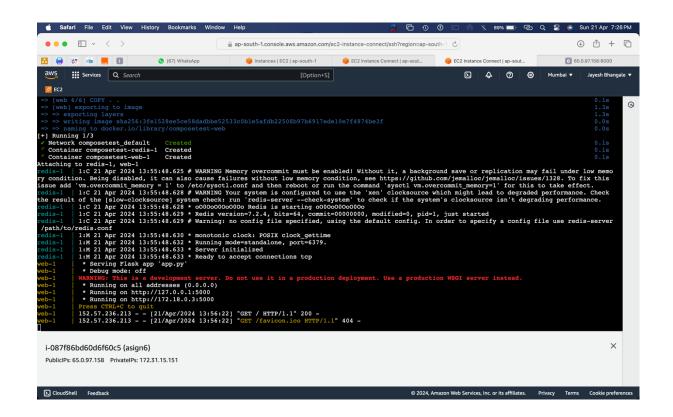


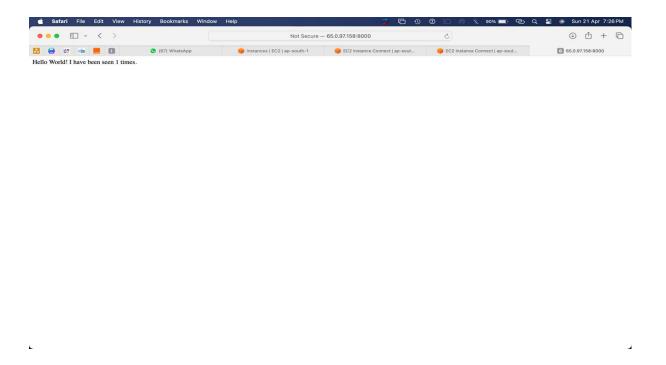






Step 3: Enter http://PublicIP:8000/ in a browser to see the application running and close docker compose.





## End of the practical

Sign

**Subject In charge** 

(Dr. Swapnil D. waghmare)