Name - Parmeshwar*

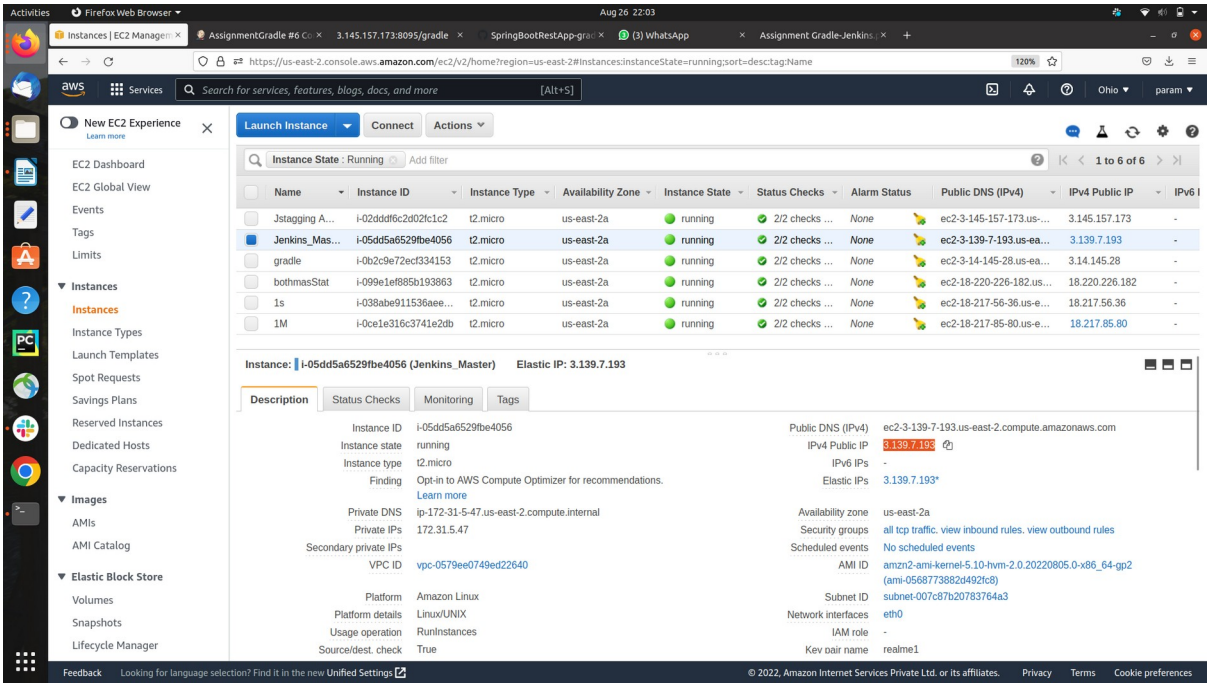
Assignment (Gradle & JenKINS)

Problem Statement: Automated Deployment of 2-Tier Web application

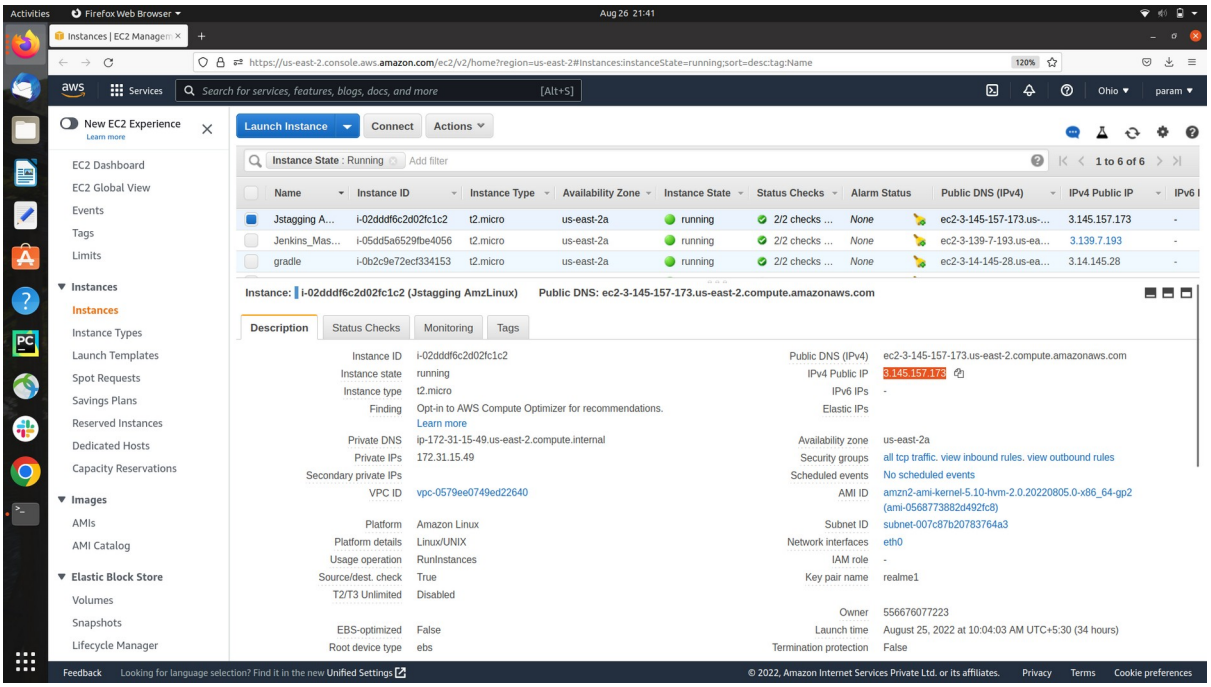
Q2) Design and develop tasks required to build CICD pipeline using learned technologies to deploy 2-Tier application on cloud platform as a set of microservices on containerized platform such as docker. Deploy a web application on Docker container using GRADLE as build tool to install, test, package application which is fetched from GitHub Repository & deploy through Web Application . Provision Infrastructure on AWS.

Step 1) Created Two Instances Of Linux

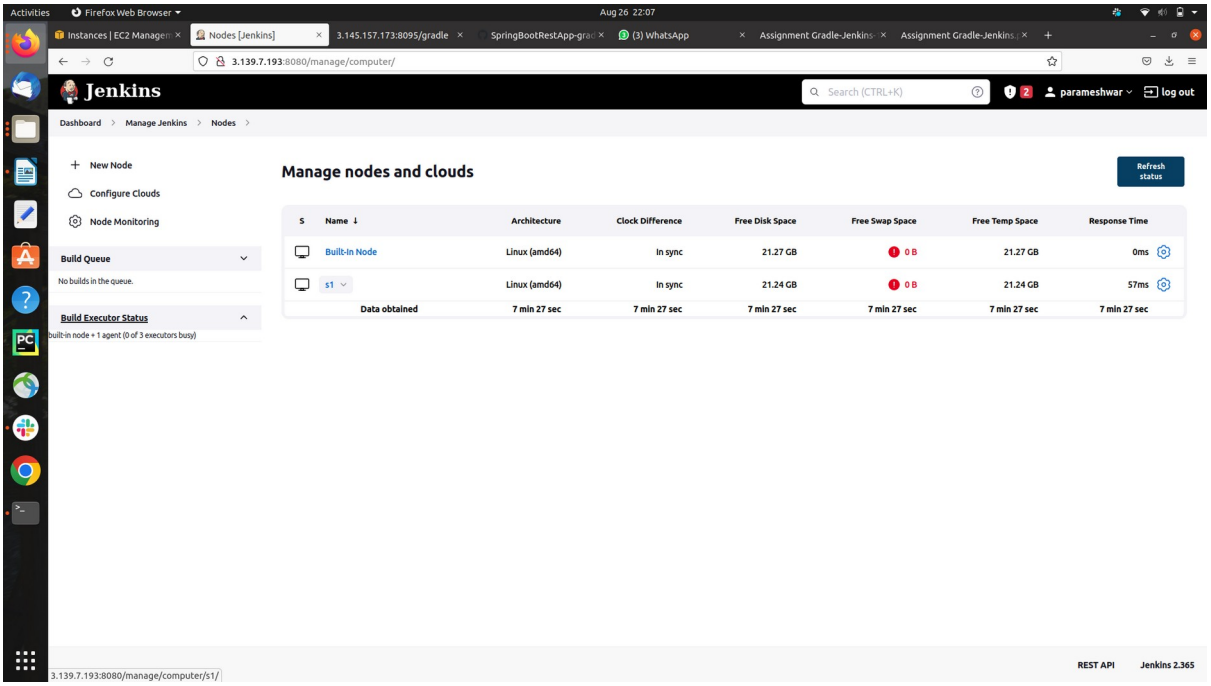
i) One is Master Node



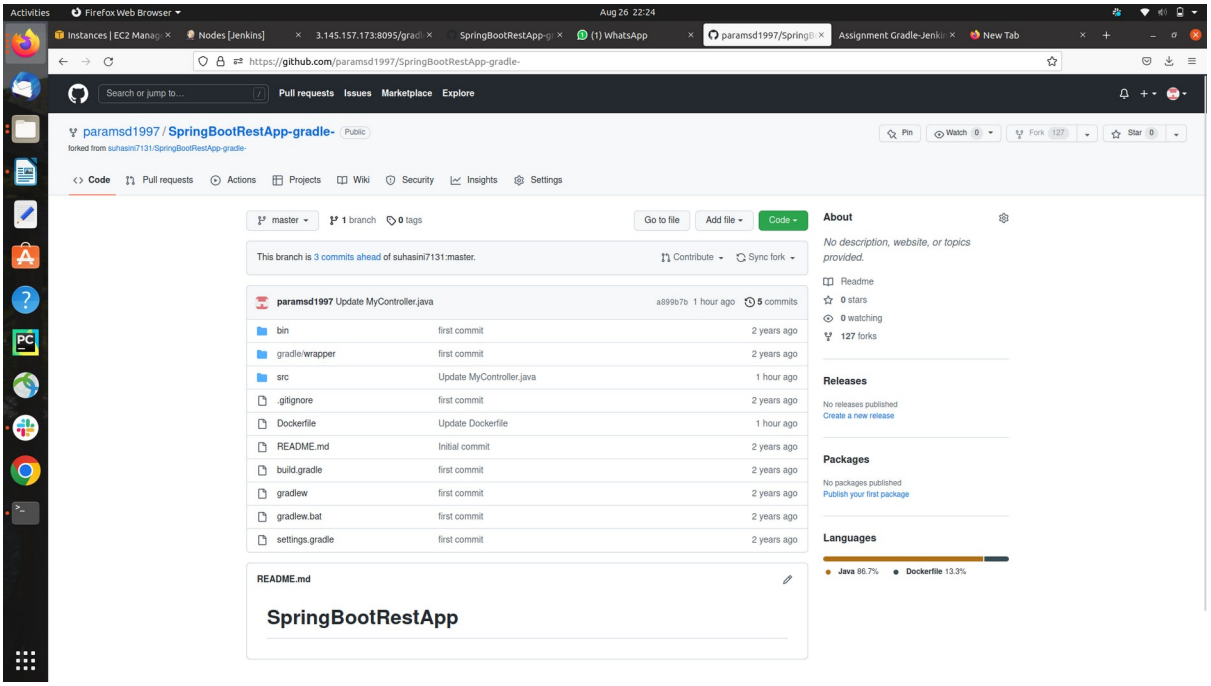
i) One is stagging (s1) Node



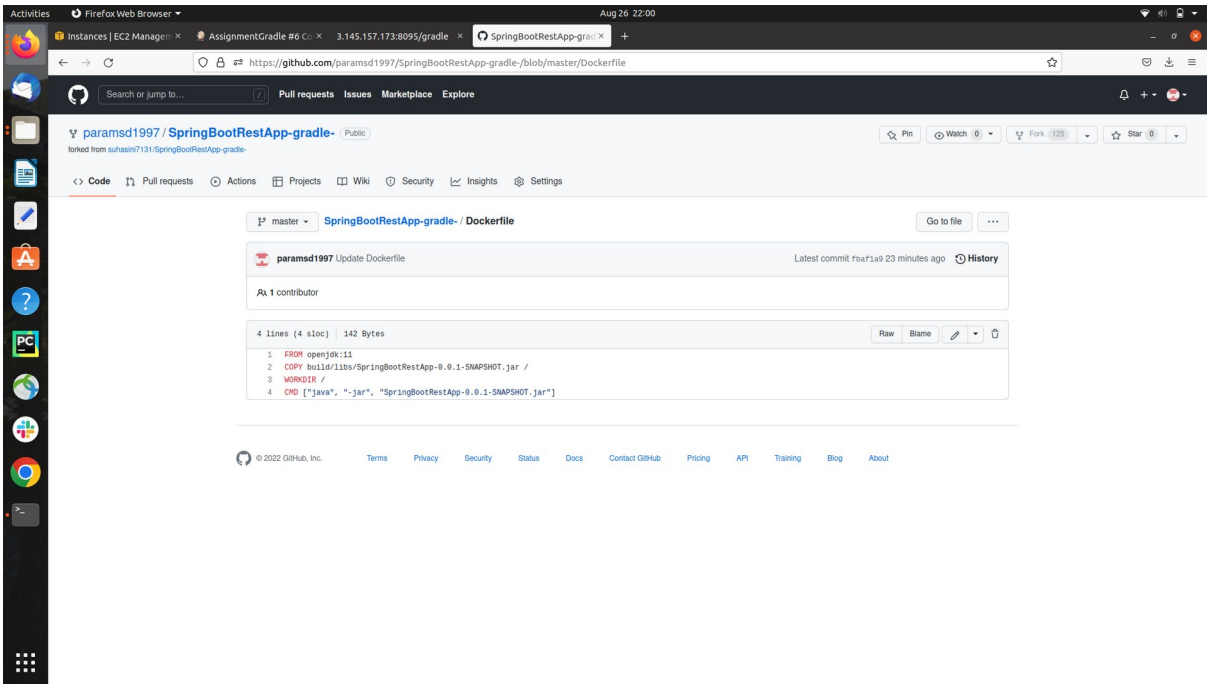
step 2) Stagging Connected with Master Nodes



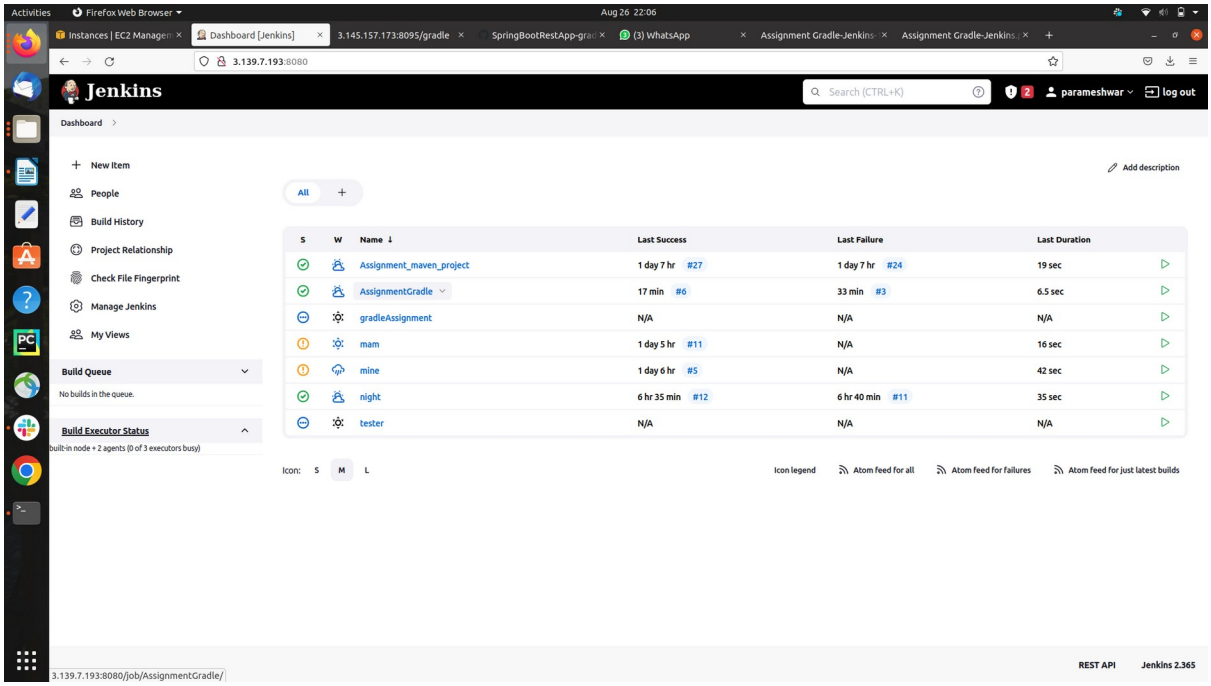
step 4) Pushed the code to the Github repository



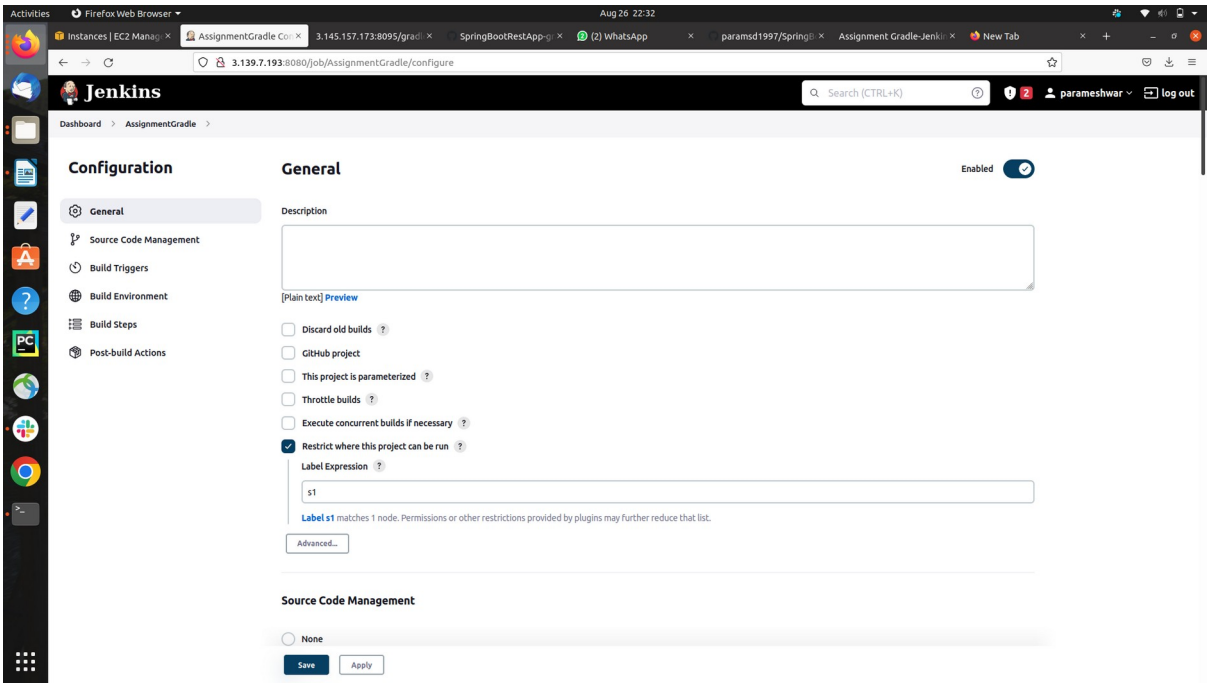
step 4) Created the Docker file to copy the .jar file and the create Image



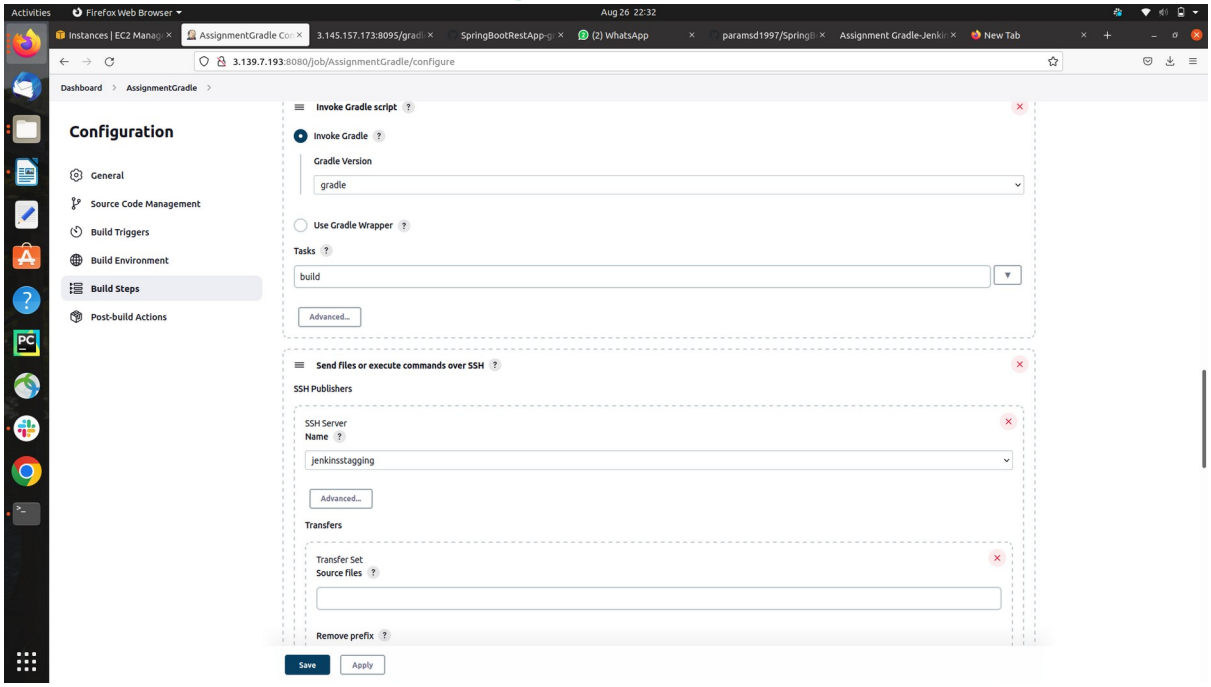
step 5)Build a new job (AssignmentGradle)in the jenkins



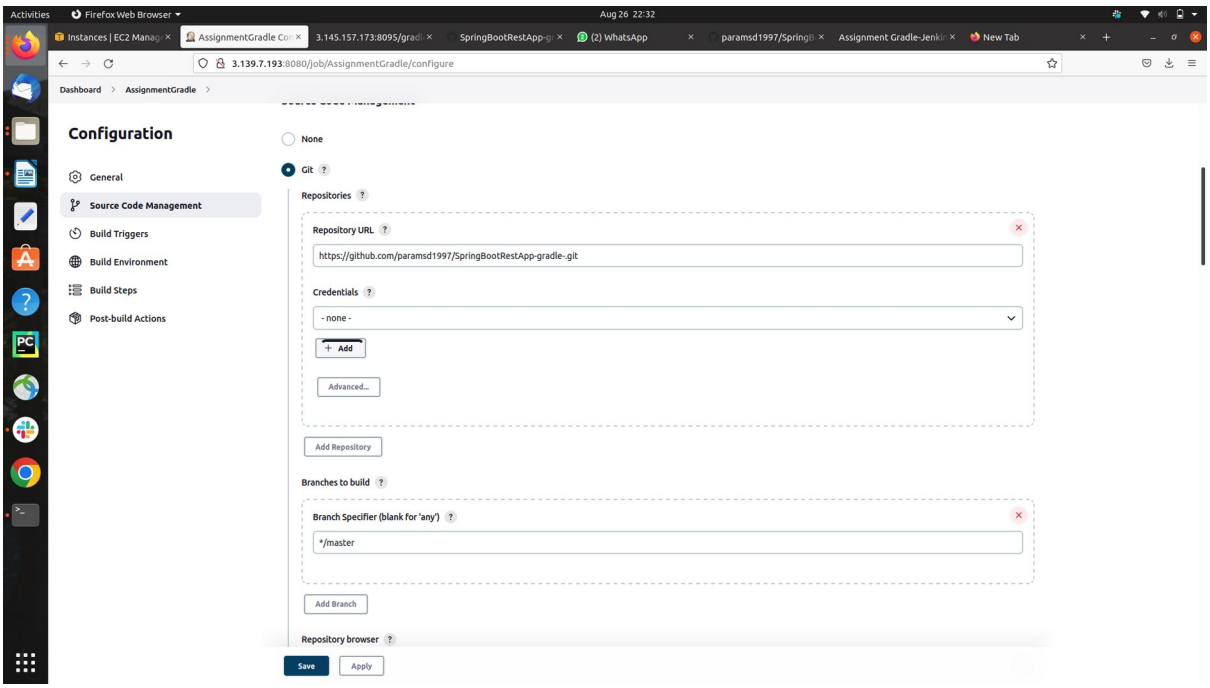
step 6) Configurig the Project New Job



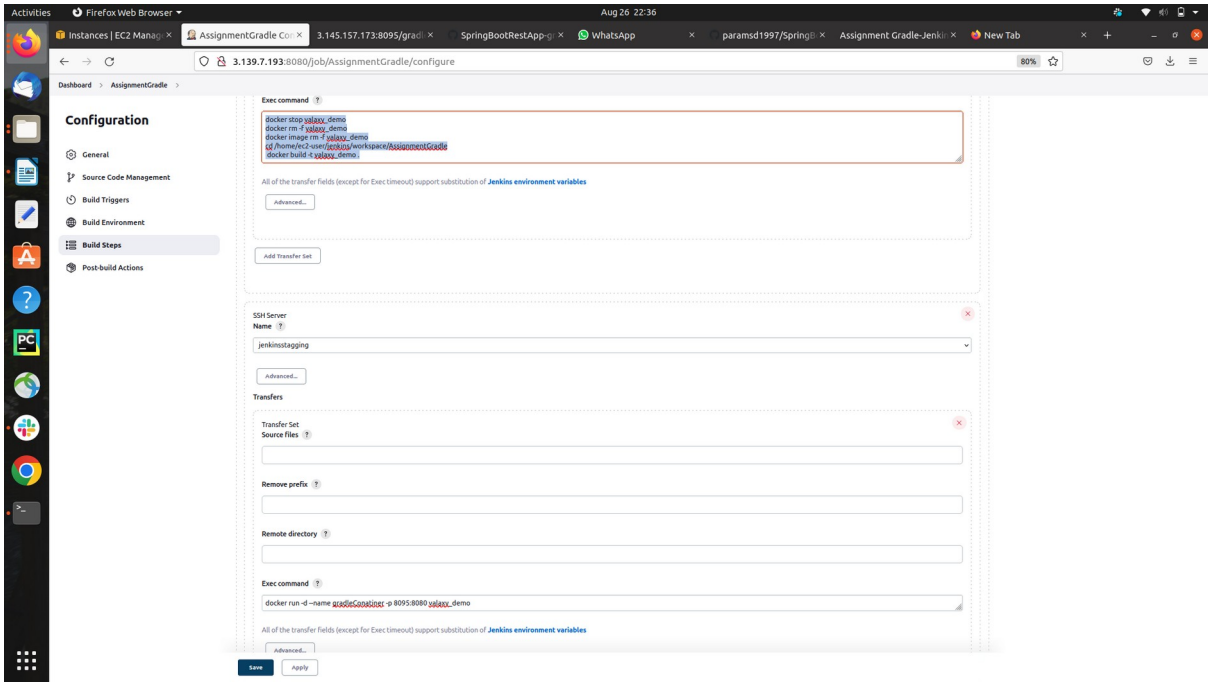
Adding the Gradle set up



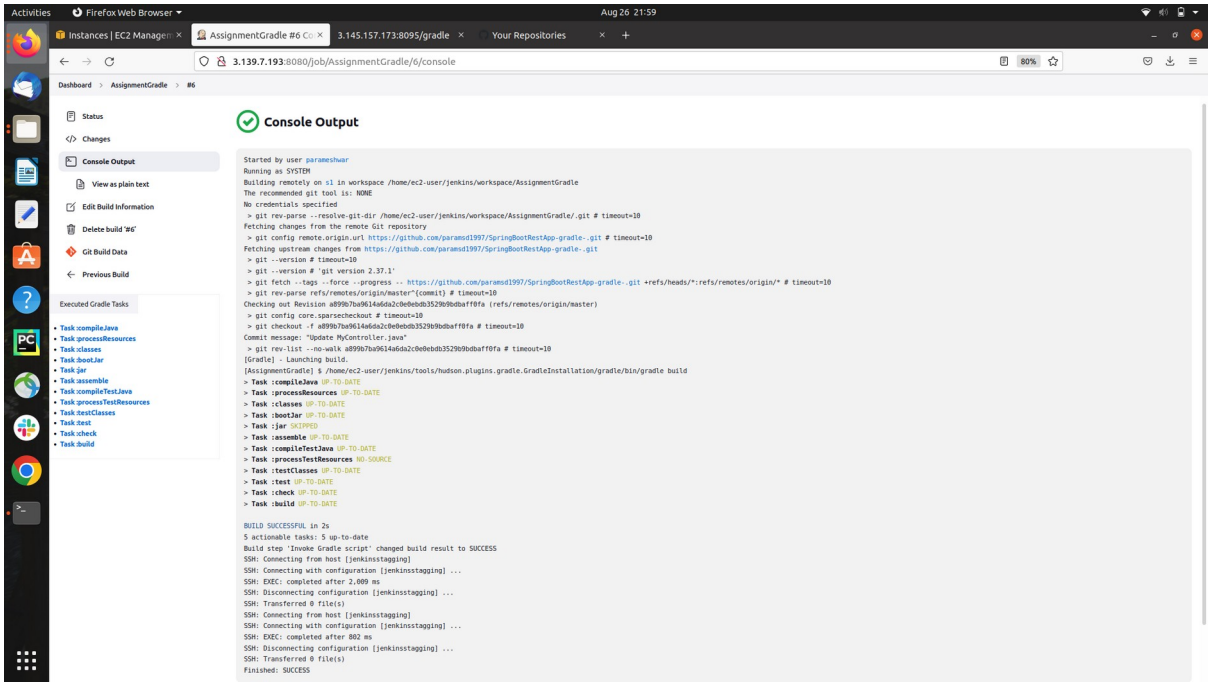
Adding the the Git repo for Source Code Management



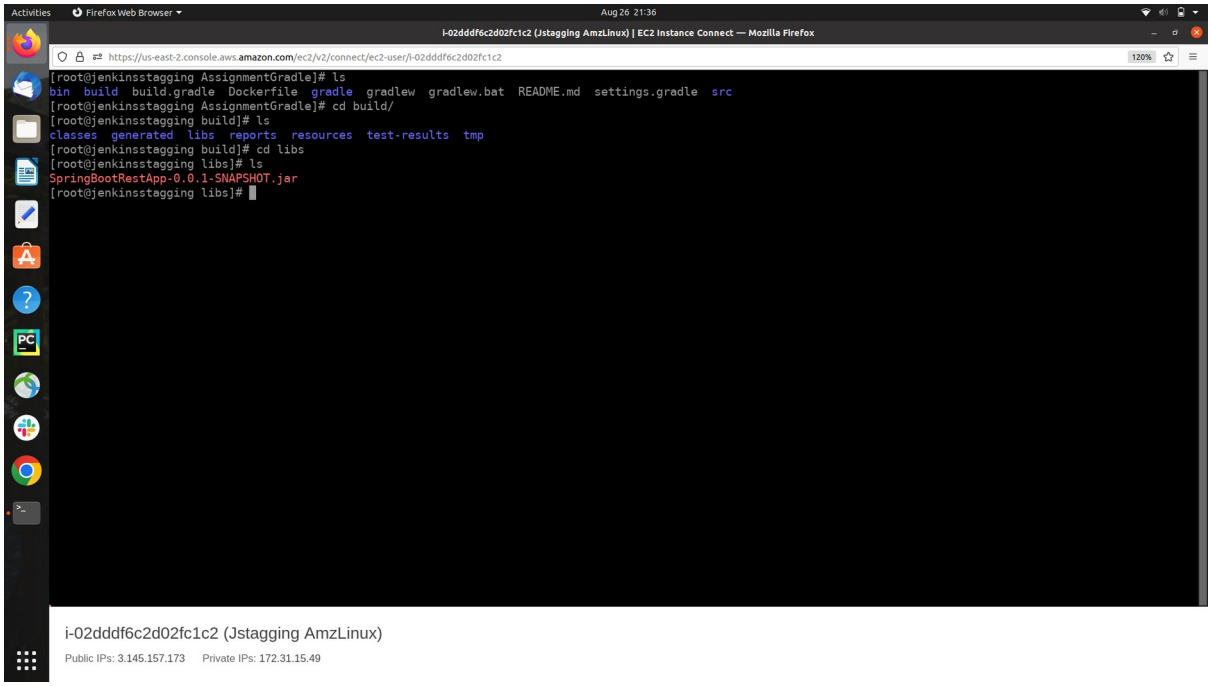
executing the Command Using SSH Server



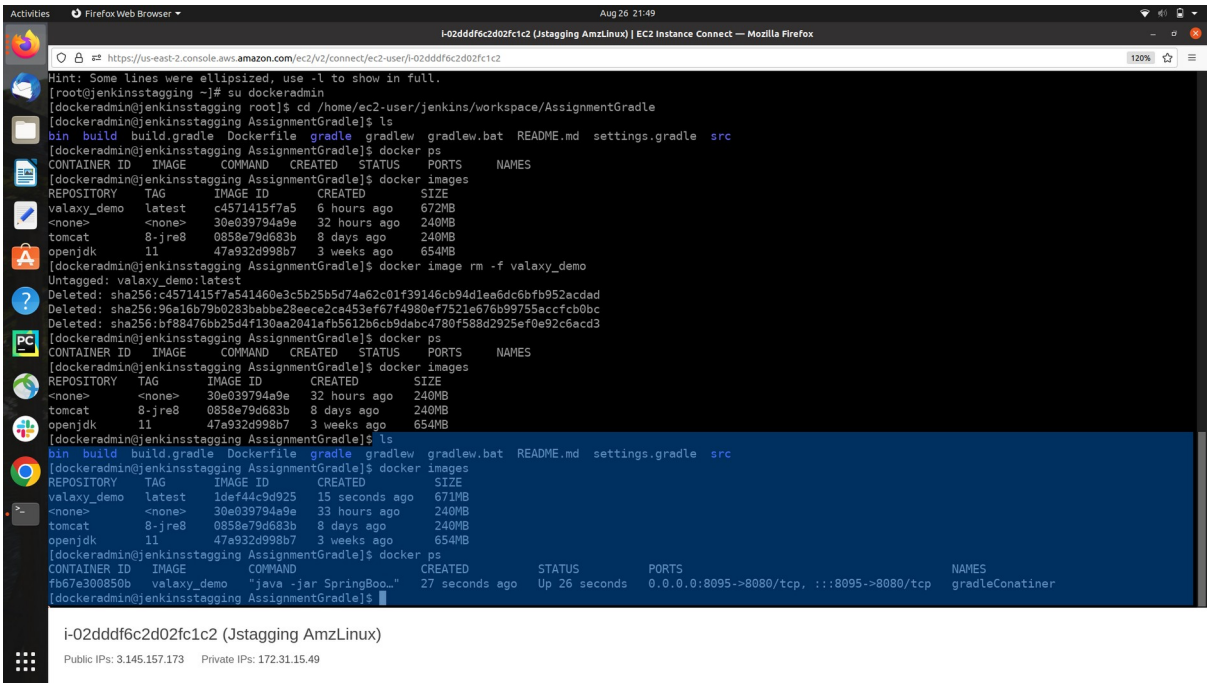
step 7) after Builded the project Ouput got successful



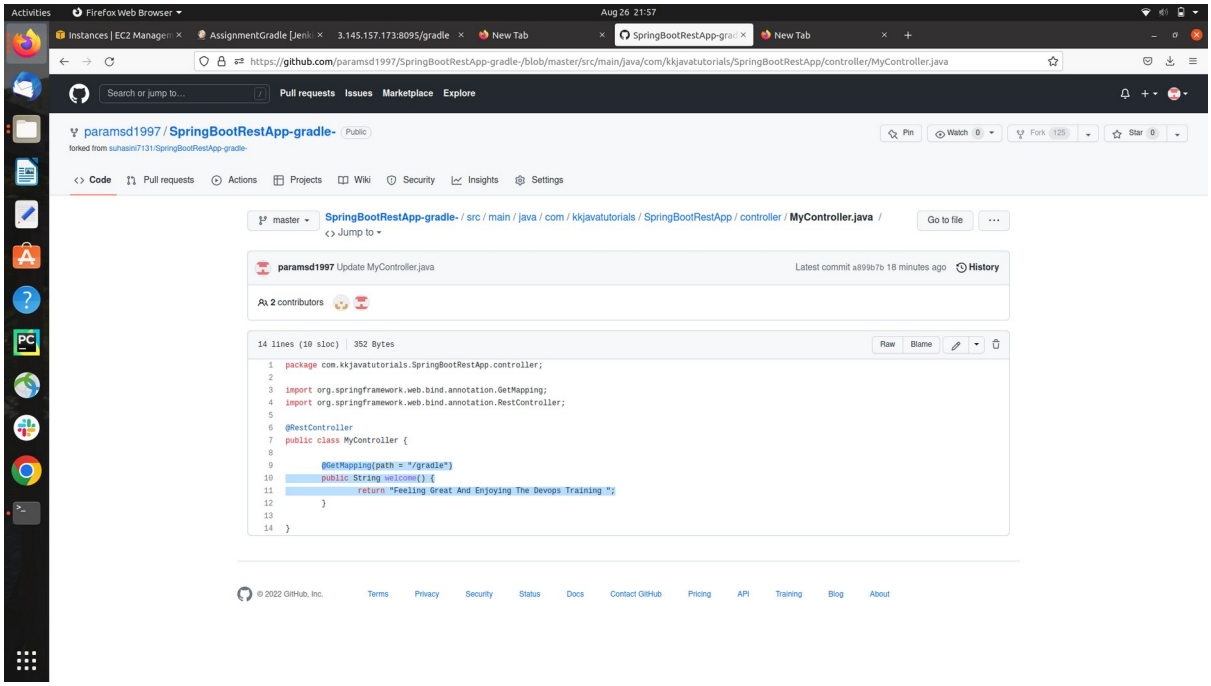
step 8) After Building we .jar file got created into build/libs



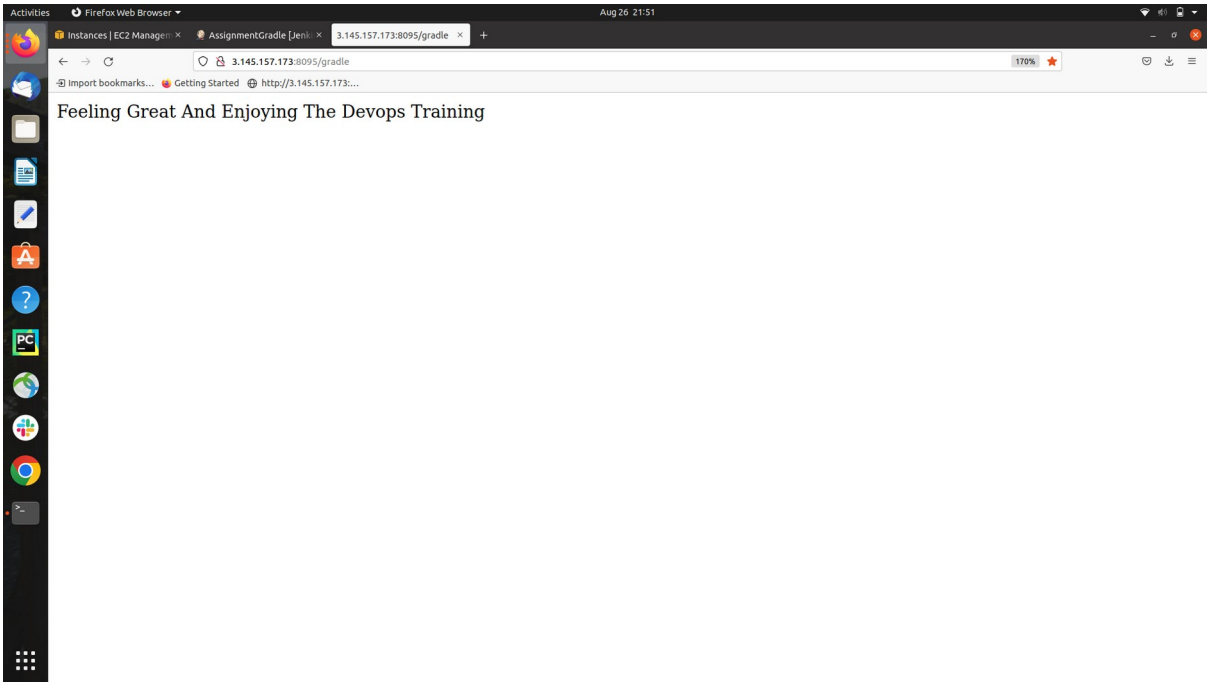
step 9) After getting .jar file Launching the Conatiner and creating the image using Dockerfile



Source Code



step 10) Accessing the Server using docker container



THANK YOU !!