Name - Parmeshwar*

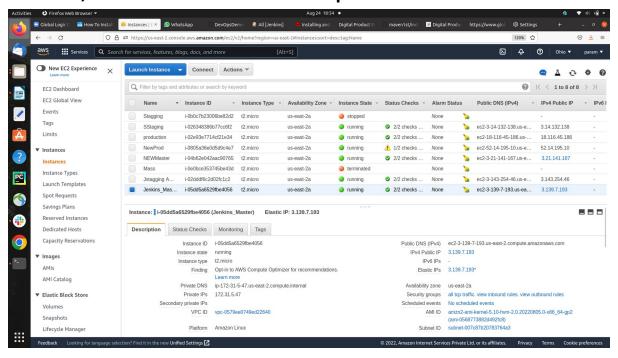
Assignment (MAVEN & JenKINS)

Problem Statement: Automated Deployment of 3-Tier Web application

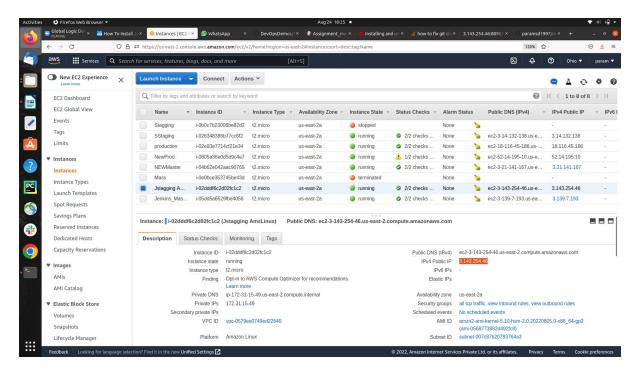
Q2) Design and develop tasks required to build CICD pipeline using learned technologies to deploy 2-Tier **application** on cloud platform as a set of microservices on containerized platform such as docker. Deploy a web application on Docker container using MAVEN as build tool to install, test, package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

Step 1) Created The Two instances in AWS

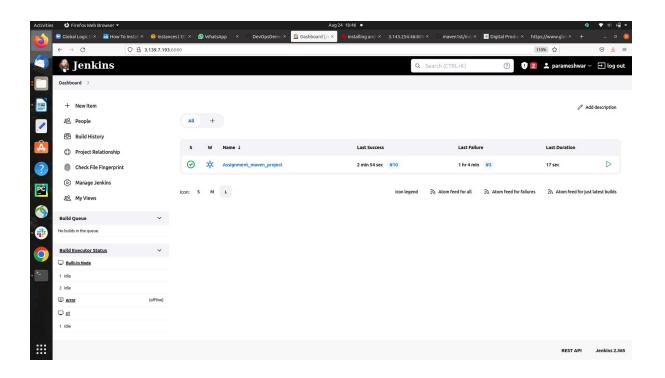
i) Master Instance with elastic ip



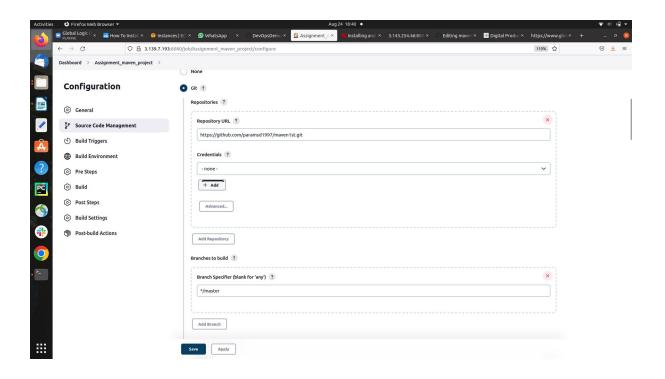
ii) Stagging Intances

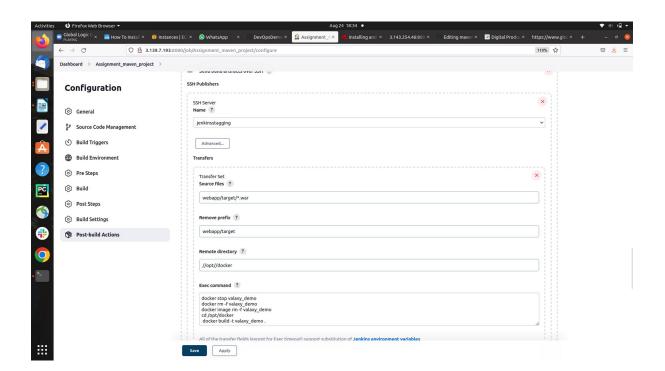


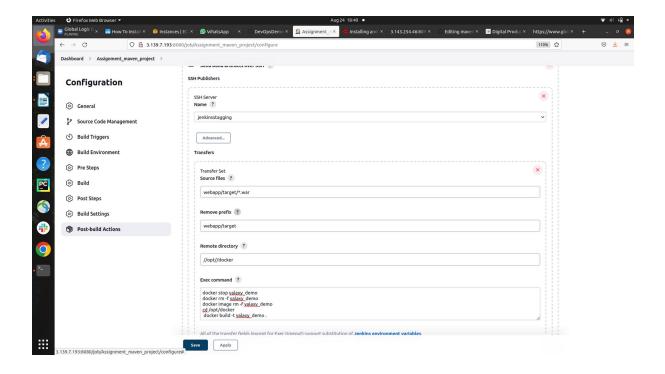
Step 2) Create a created job **Assignment_maven_project**



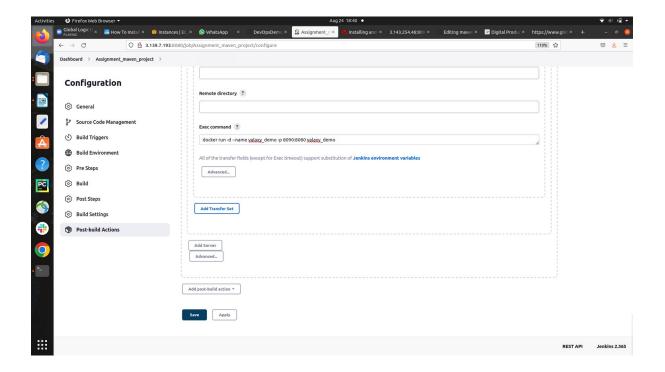
step 2) Configuring the Project



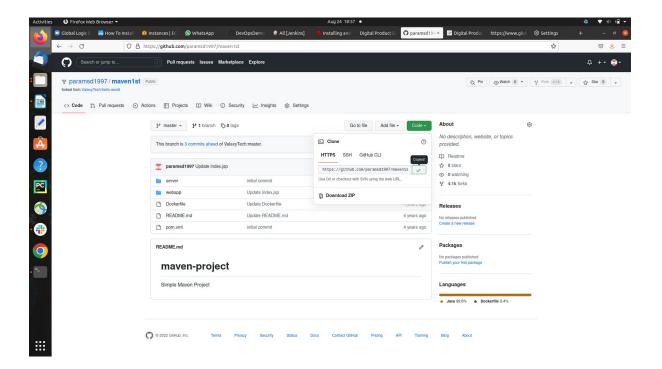




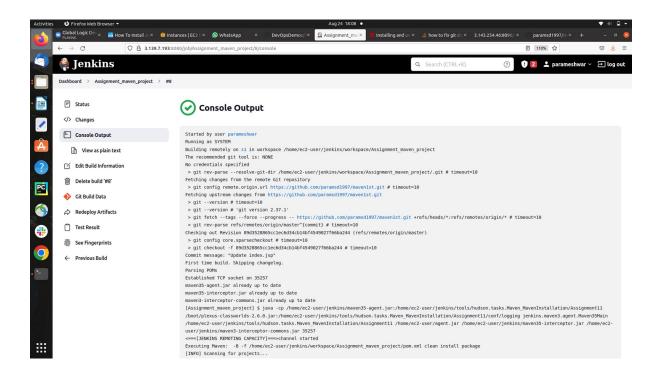
Executing the cmd to Build and run the Container with assigned port



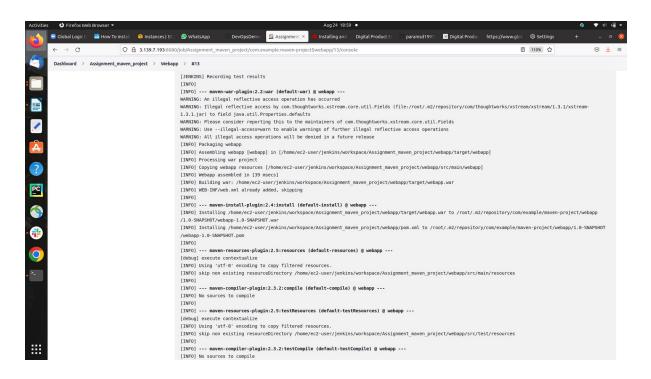
step3) git repository Content



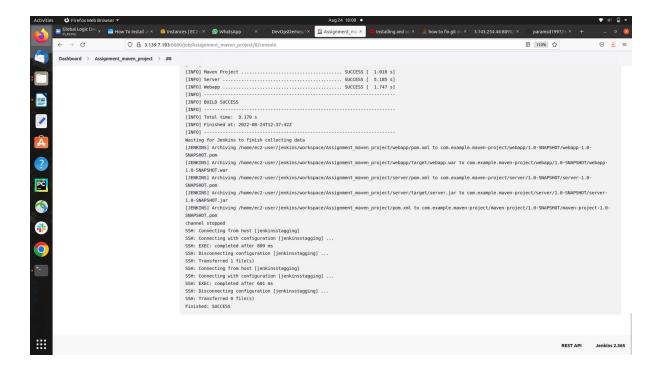
step 4) Build the project



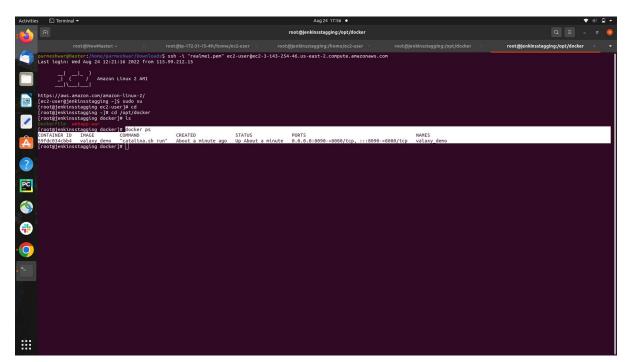
Building the .war file



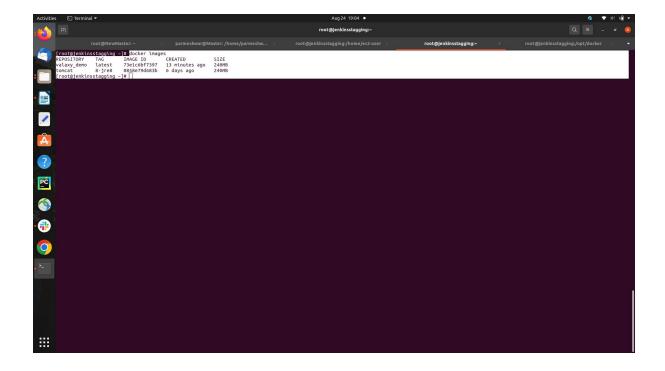
project Build Successfully



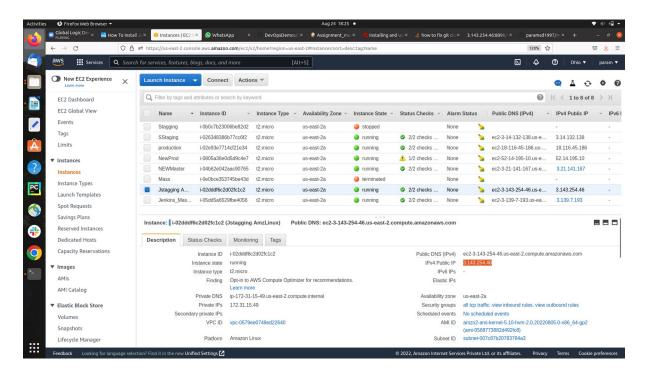
step 5) Docker Container created Successfully

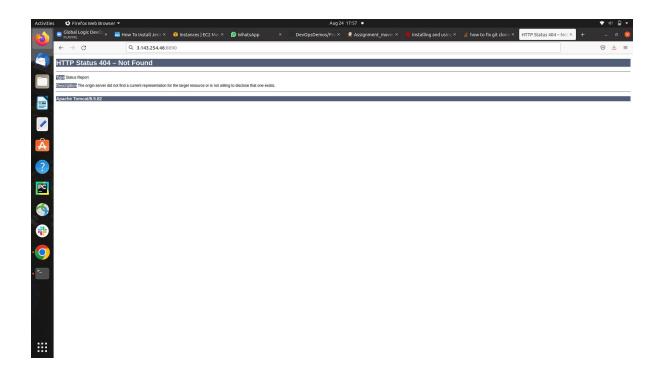


step 5) Docker images of Tomcat created Successfully

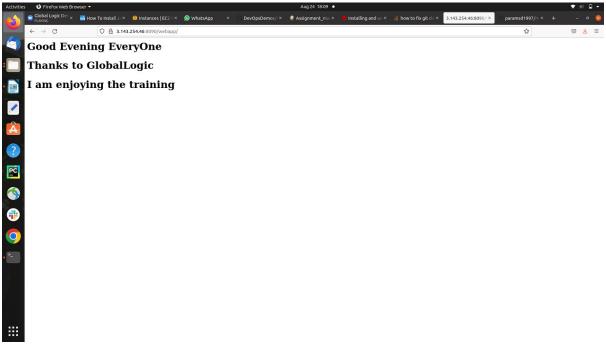


step 6) Accessing the default wegpage of tomcat using the Stagging m/c public ip and port no. Of tomcat 8080





step 6) Accessing the wegpage of using the Stagging m/c public ip and Assigned port no.



Changes did in the wepage that output Committed again

