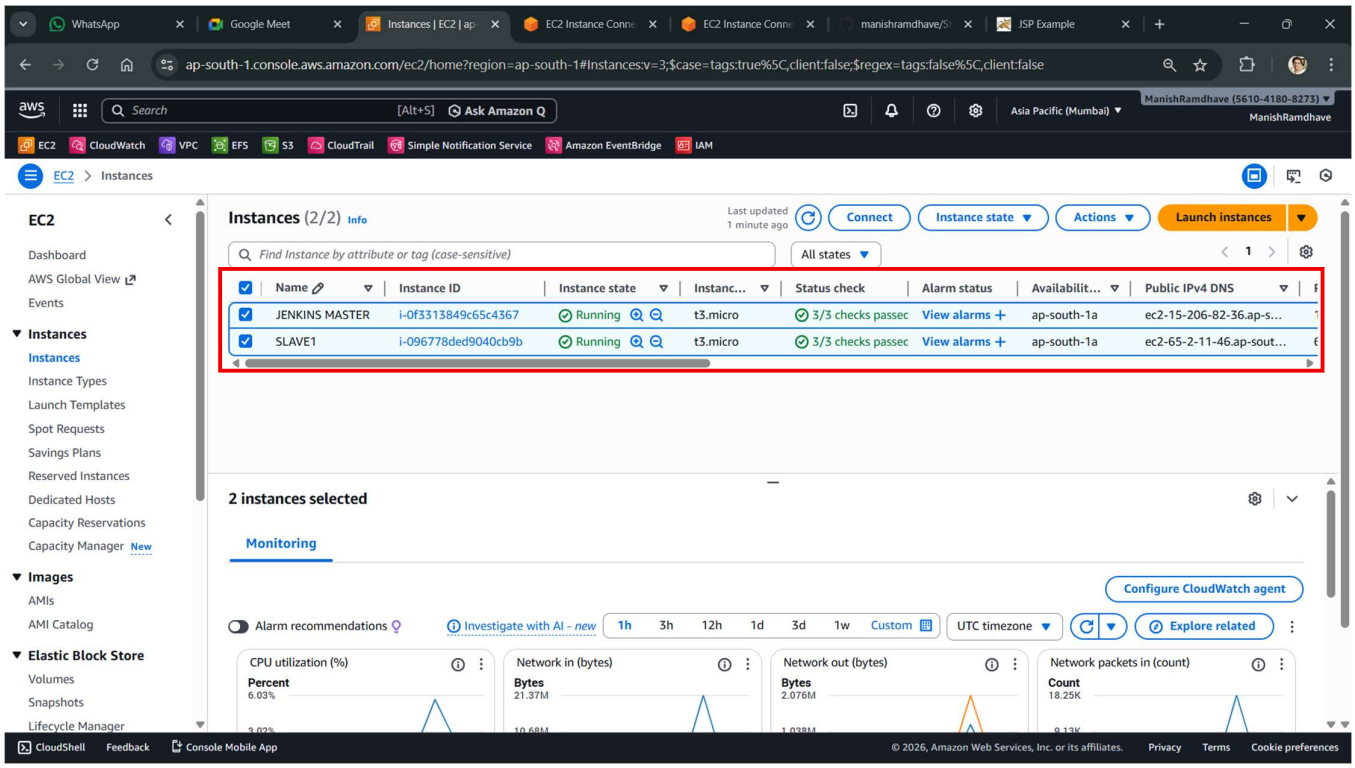
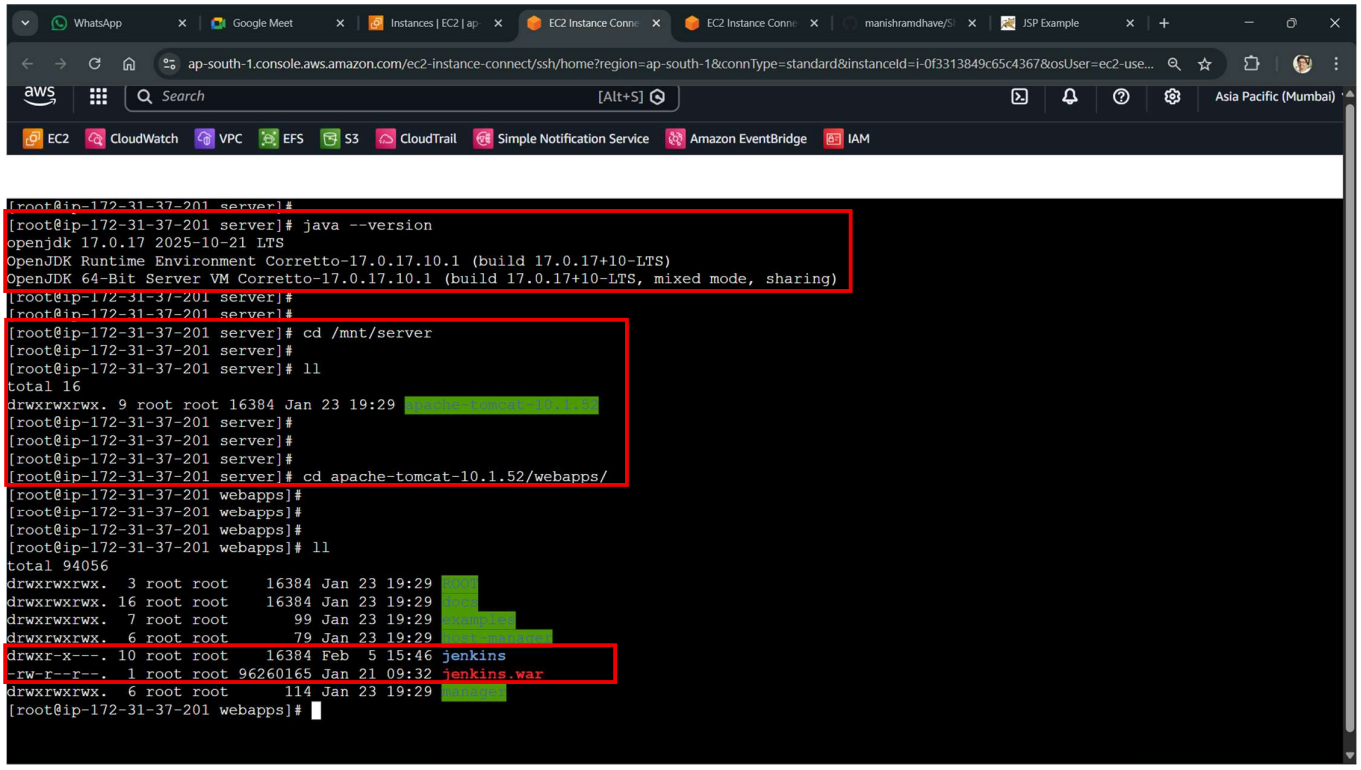
Jenkins Assignment 6

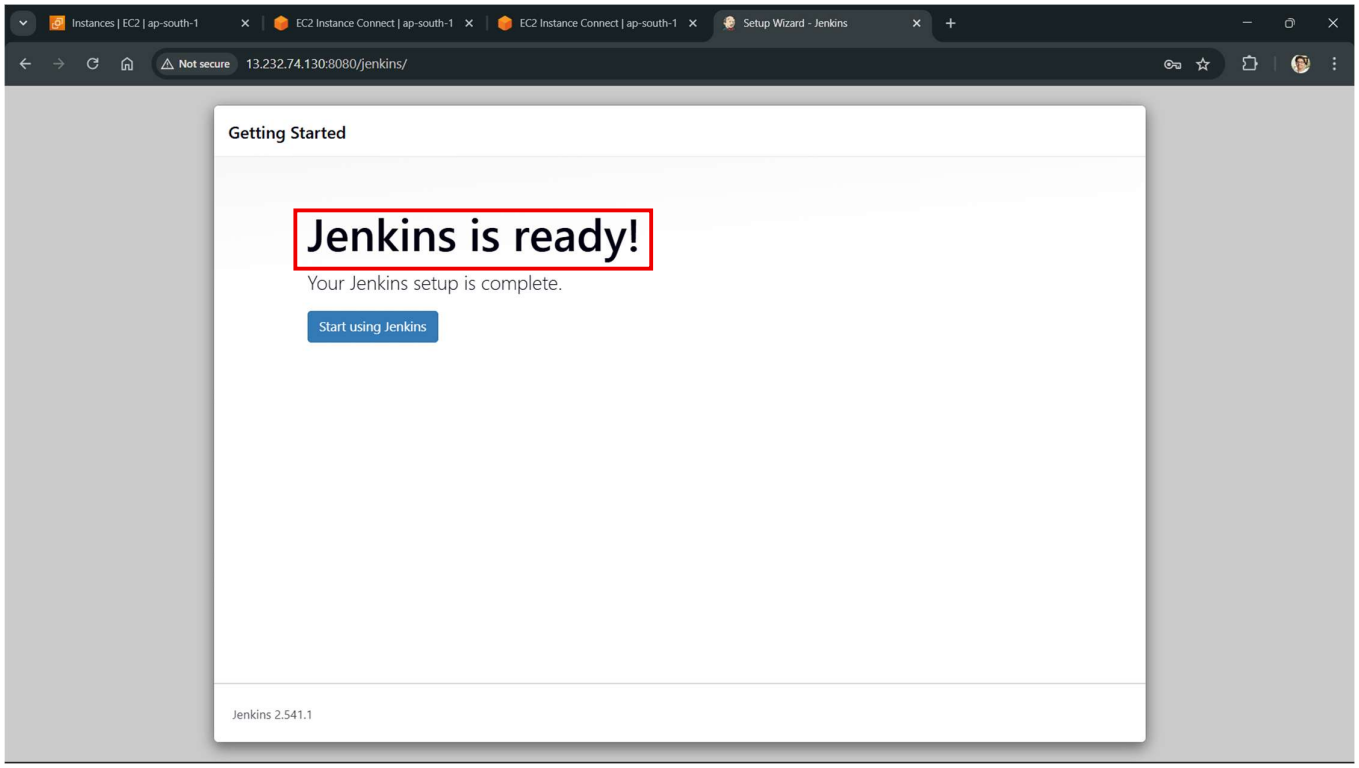
Step 1: Launched two instances, Jenkins Master and Slave1



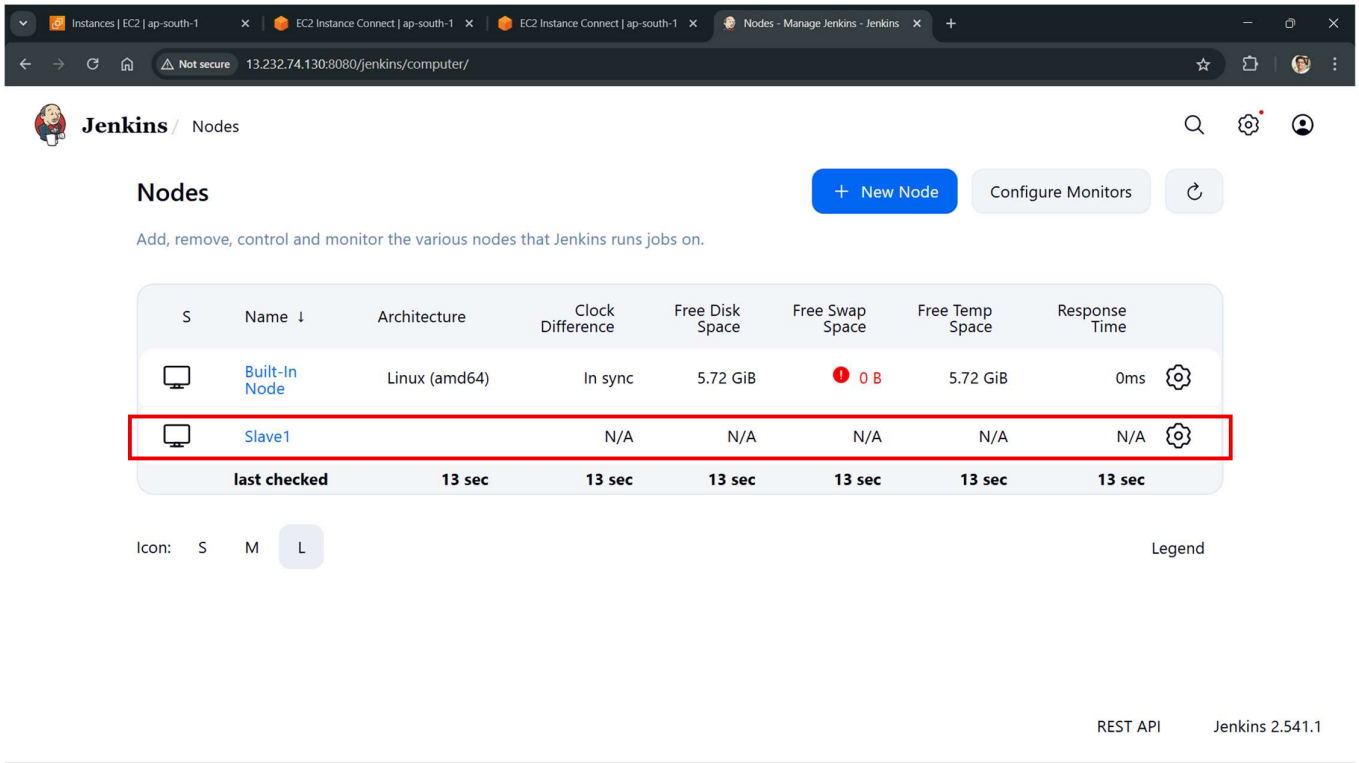
Step 2: On **Jenkins Master,** we have installed **Java-17, Apache-Tomcat-10.1.52** and deployed the **Jenkins** on it:



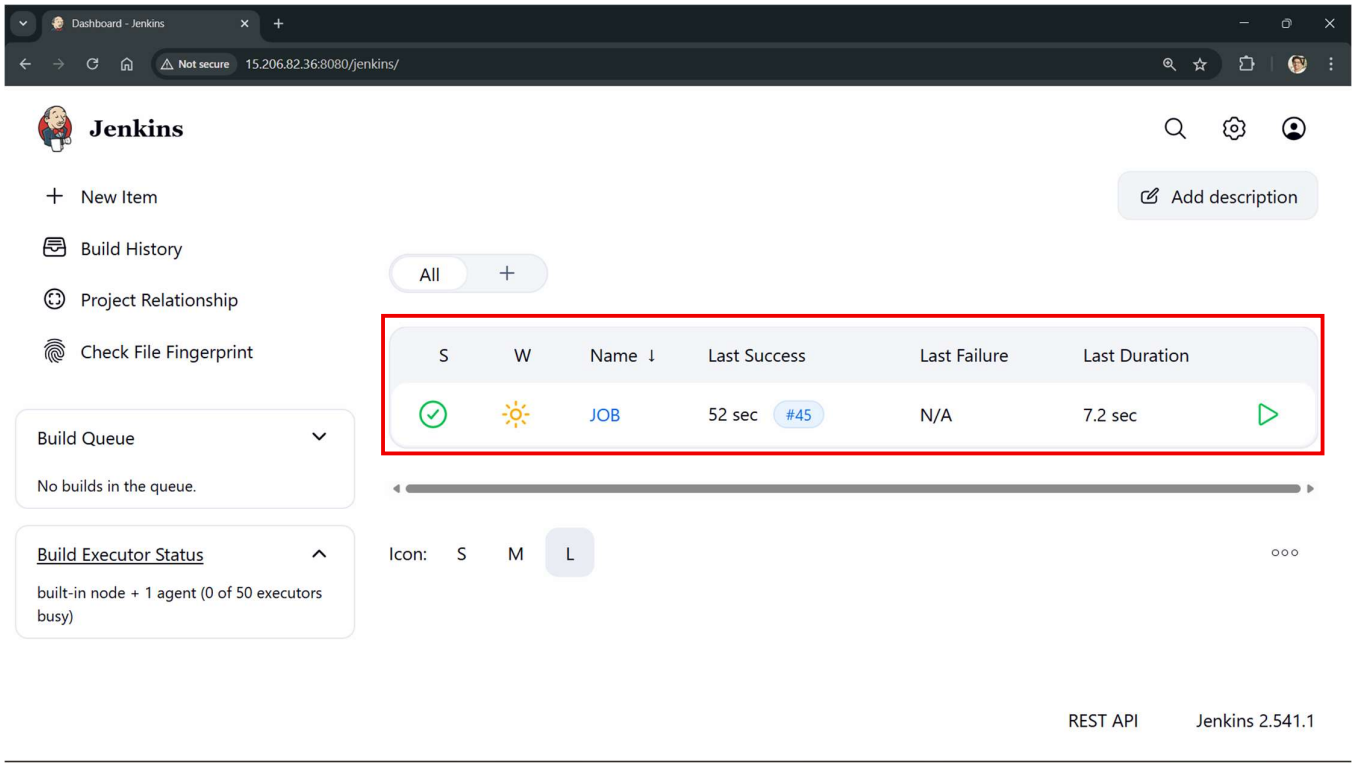
Step 3: Installed the **Jenkins** on **Jenkins Master Instance**:



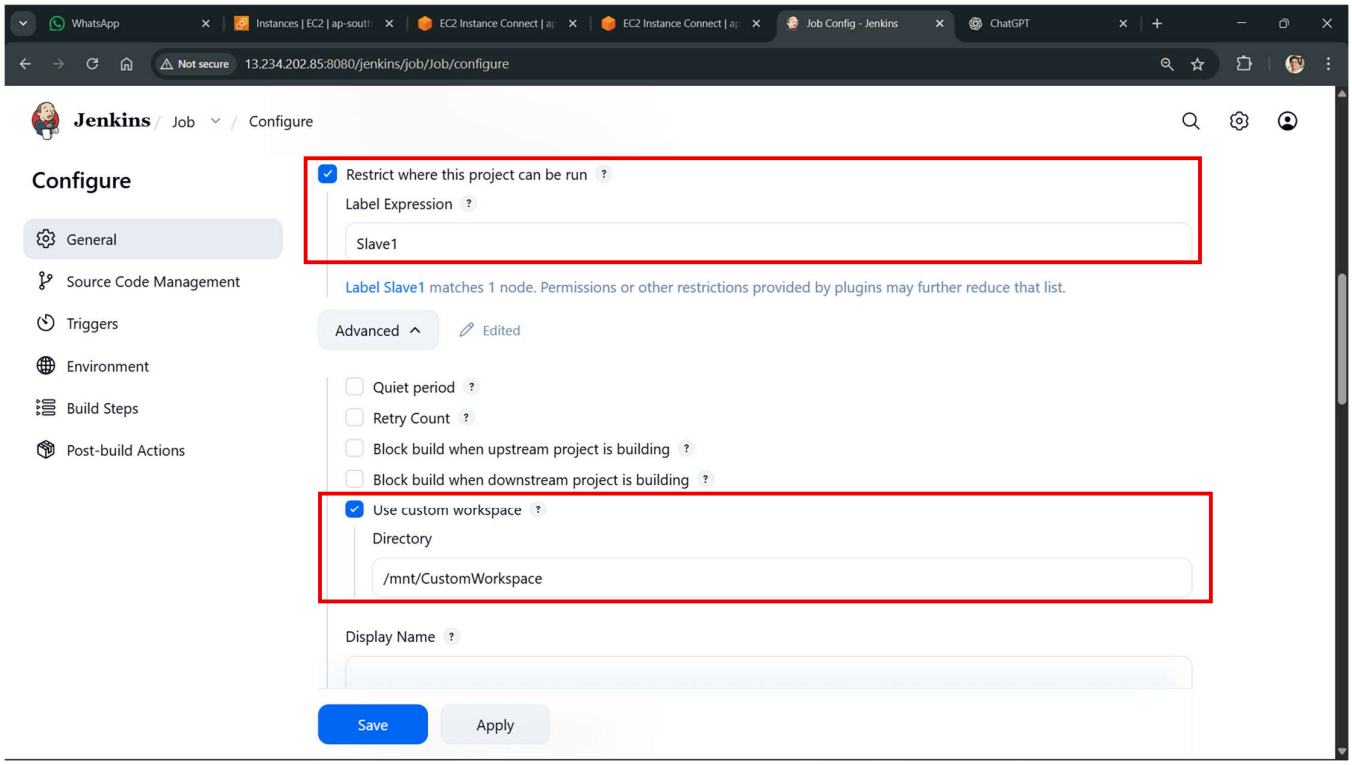
Step 4: Created a **Node** for to establish the connection between Jenkins Master and Slave Instance using the **'Credential'** and **'Manually trusted key Verification Strategy'**:



Step 5: Launched the Jenkins and created a **Freestyle Job**:

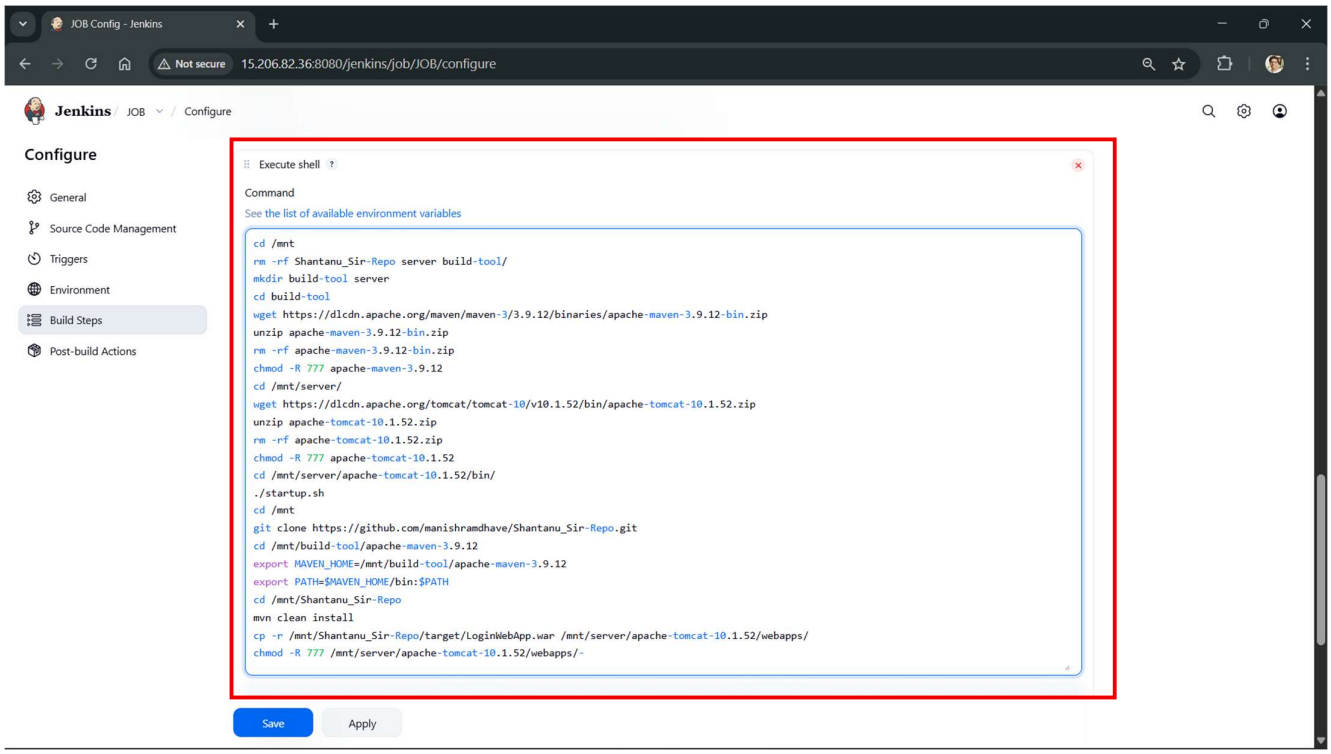


Step 6: Enabled **'Restrict where this project can be run'** on only Slave1 Instance and used a **custom workspace** to **'/mnt/CustomWorkspace/'**:



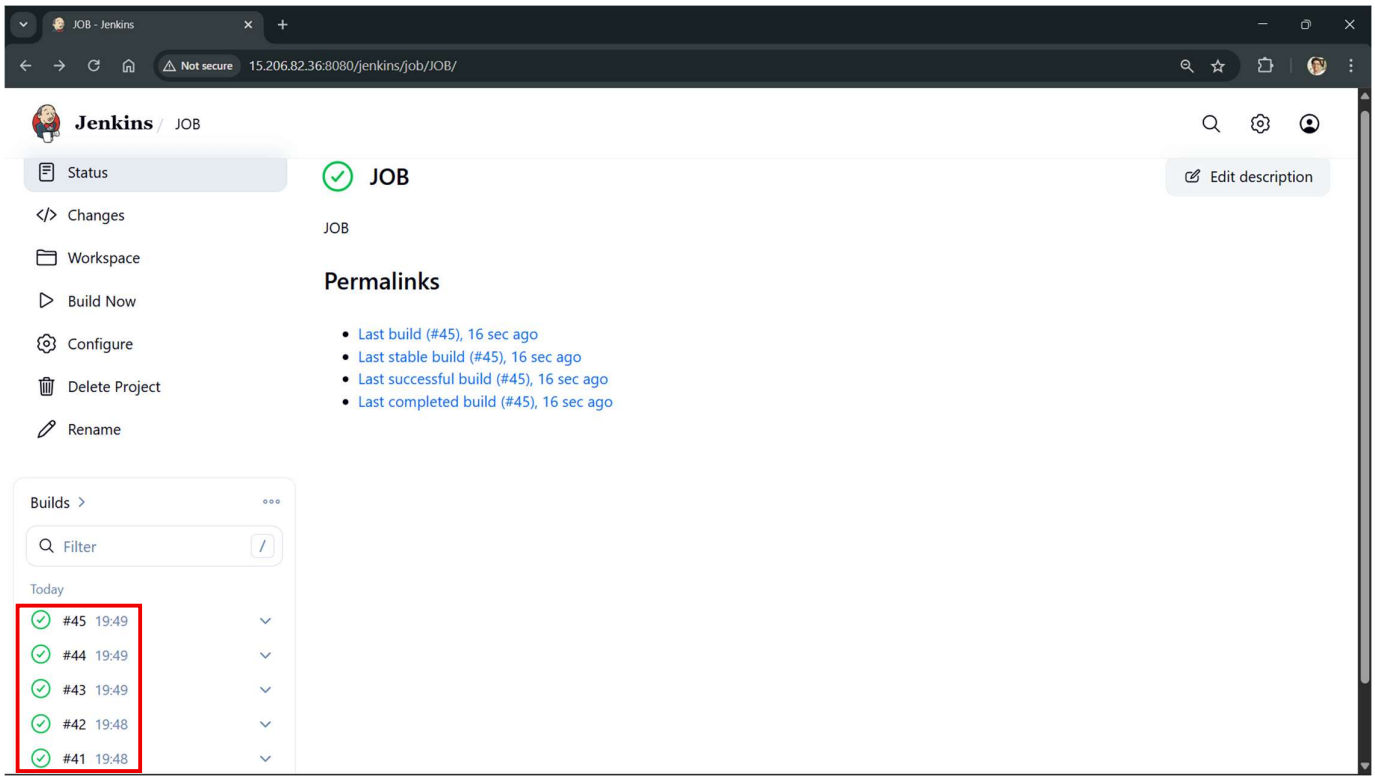
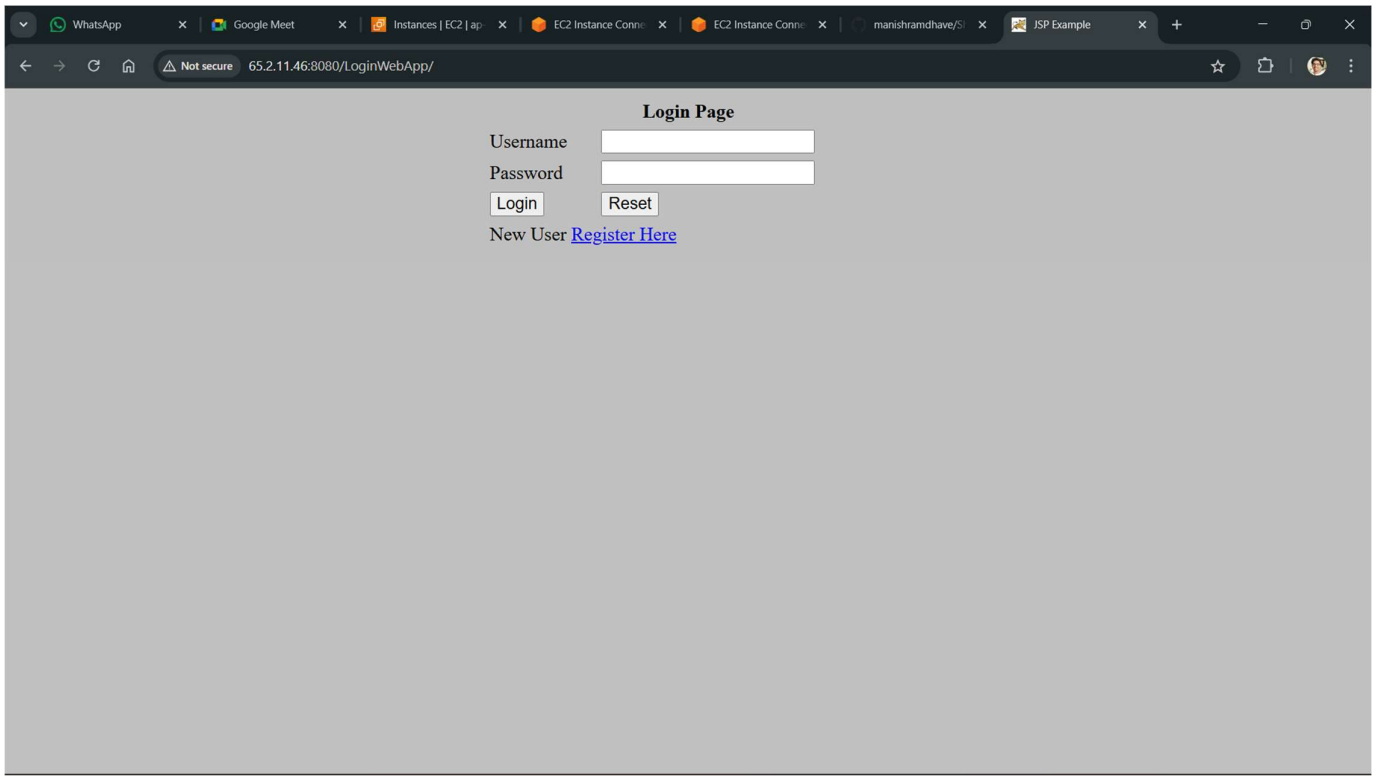
Step 7: Executed a shell script in the Build Steps on the Jenkins Job which will run on the Slave Instance. It will run all the commands below;

A) Installation of Apache- Maven-3.9.12
B) Installation of Apache-Tomcat-10.1.52 and running process
C) Cloning the forked Repository to build LoginWebApp.war file
D) Setting Environment Variable and its path
E) Deployment of LoginWebApp Application on Tomcat Server



Result:

1. Our 5 consecutive Jobs' Builds are Successfully done:



2. Our **LoginWebApp** Application running successfully on **Tomcat Server**: