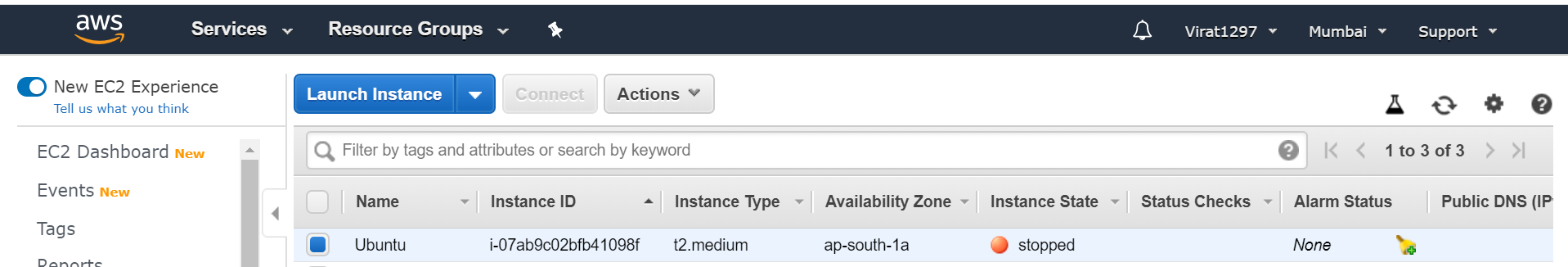
USECASE1&2:

Docker Installation On Ubuntu:

Create AWS ec2-instance Ubuntu.



Docker Installation:

Run command:

sudo apt update

sudo apt install apt-transport-https ca-certificates curl gnupg-agent software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb\_release -cs) stable"

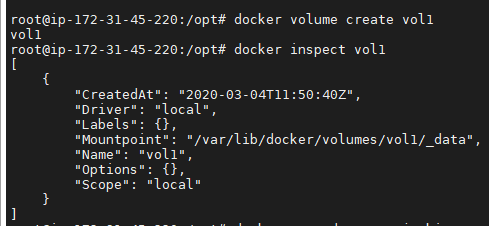
sudo apt update

sudo apt install docker-ce

Check version using **docker --version**



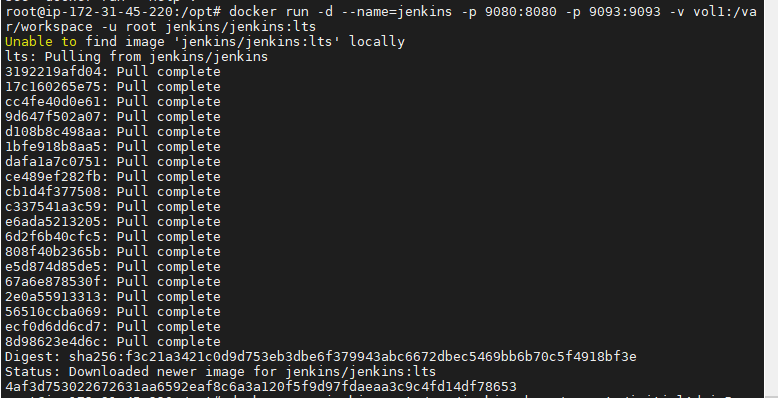
Create volume:

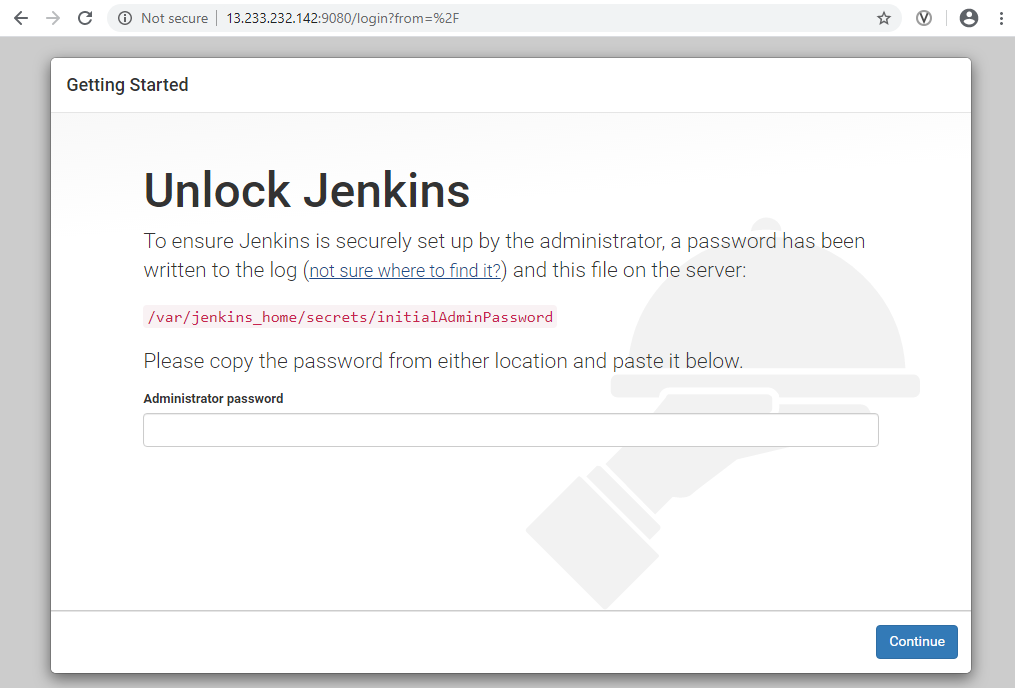


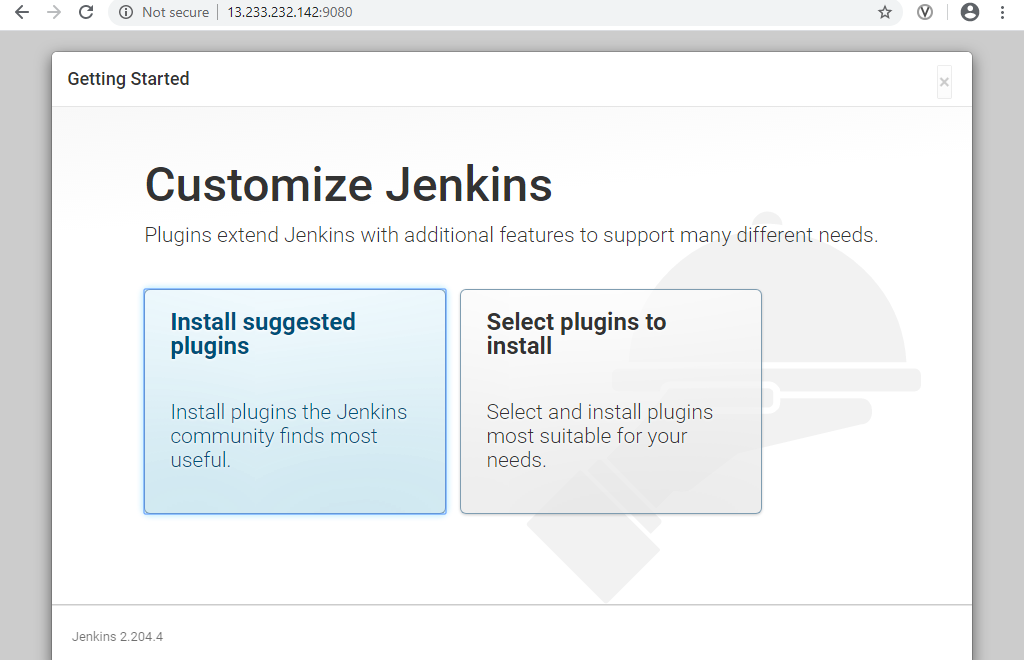
Run Jenkins as a container:

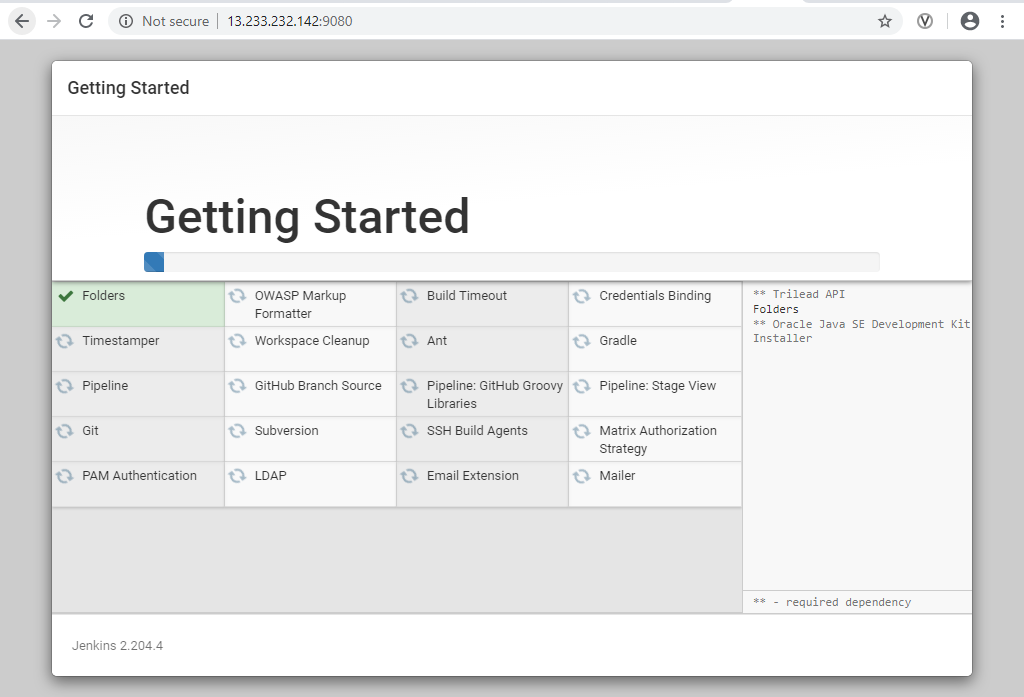
**docker run -d --name=jenkins -p 9080:8080 -p 9093:9093 -v vol1:/var/jenkins\_home/workspace -u root jenkins/jenkins:lts**

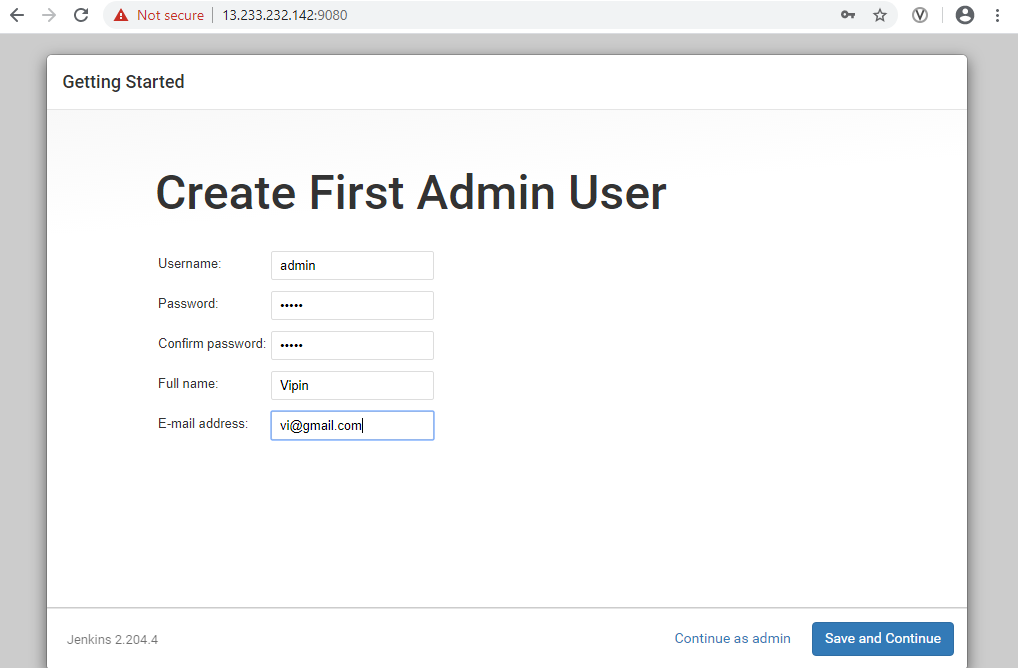
**docker exec jenkins cat /var/jenkins\_home/secrets/initialAdminPassword**

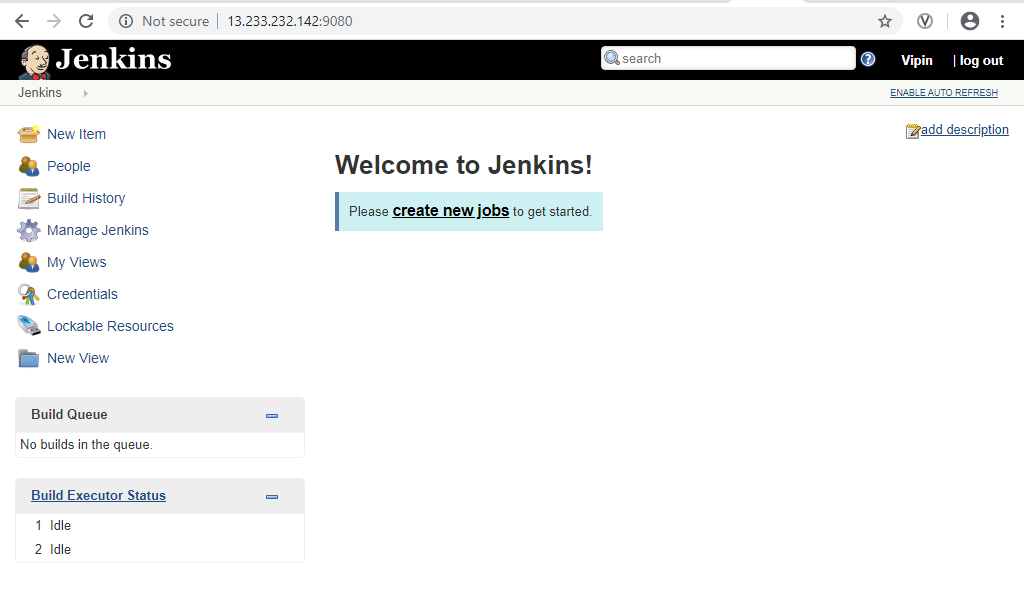








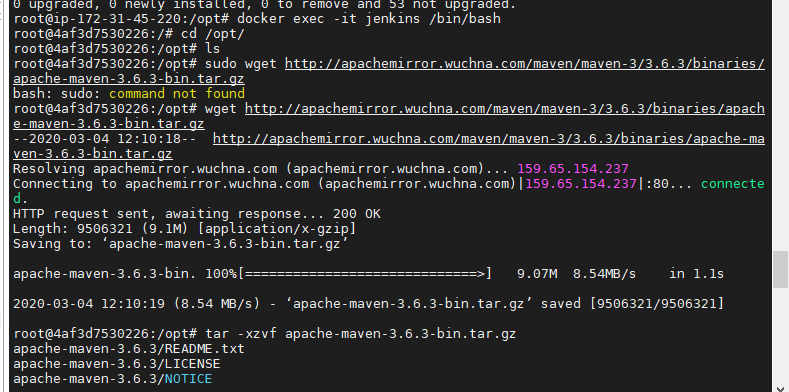


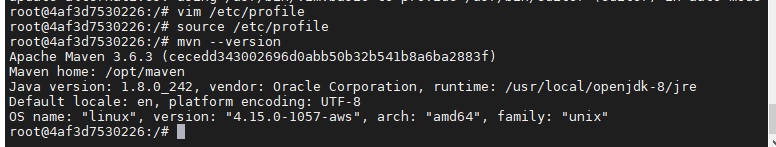


Run this to open container as bash shell:

**docker exec –it jenkins /bin/bash**

Installing Maven:

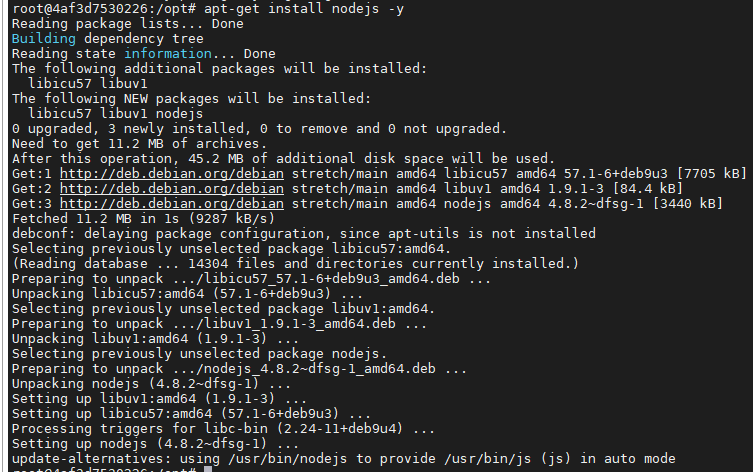




Installing Nodejs:

curl -sL https://deb.nodesource.com/setup\_10.x | sudo -E bash -

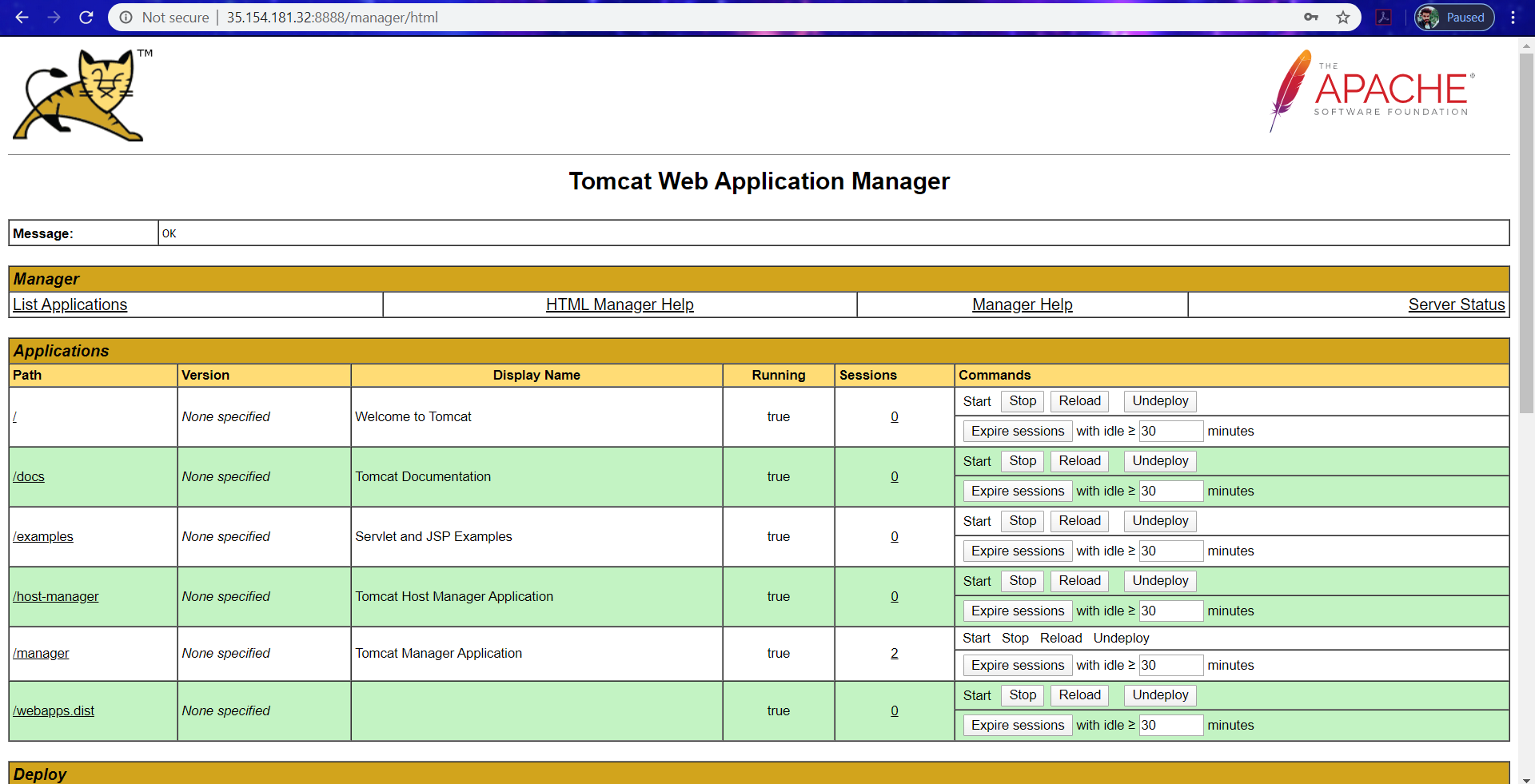
sudo apt install nodejs





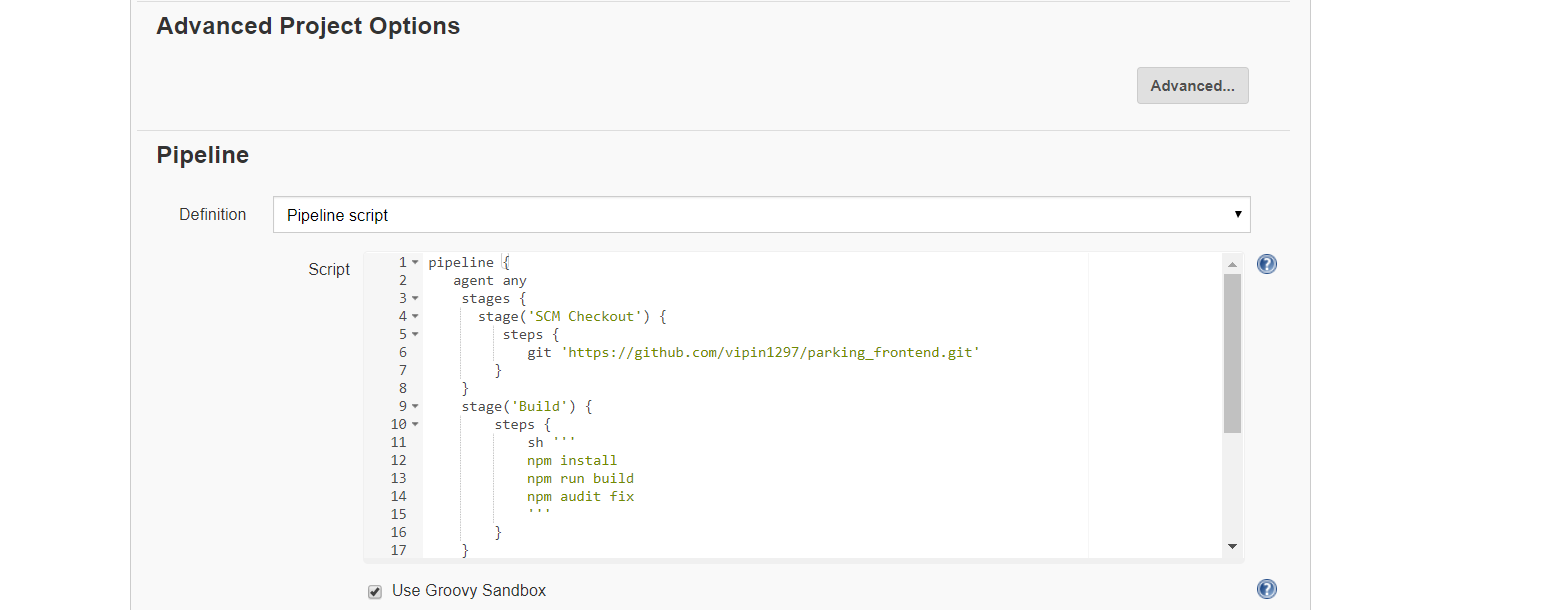
Running tomcat as docker container:

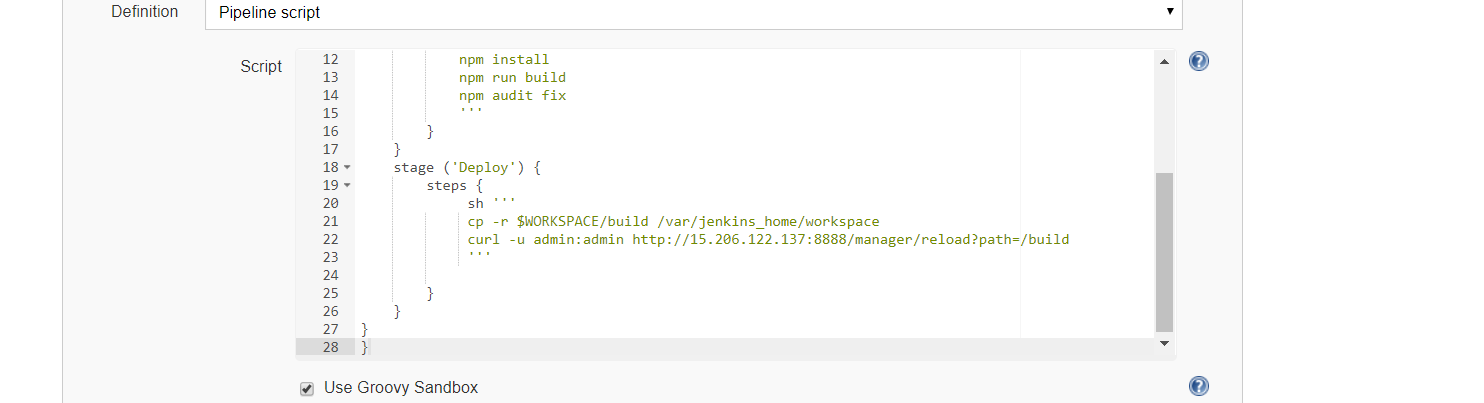
**docker run -d --name=tomcat -p 9080:8080 -v vol1:/usr/local/tomcat/webapps tomcat:9.0.31**



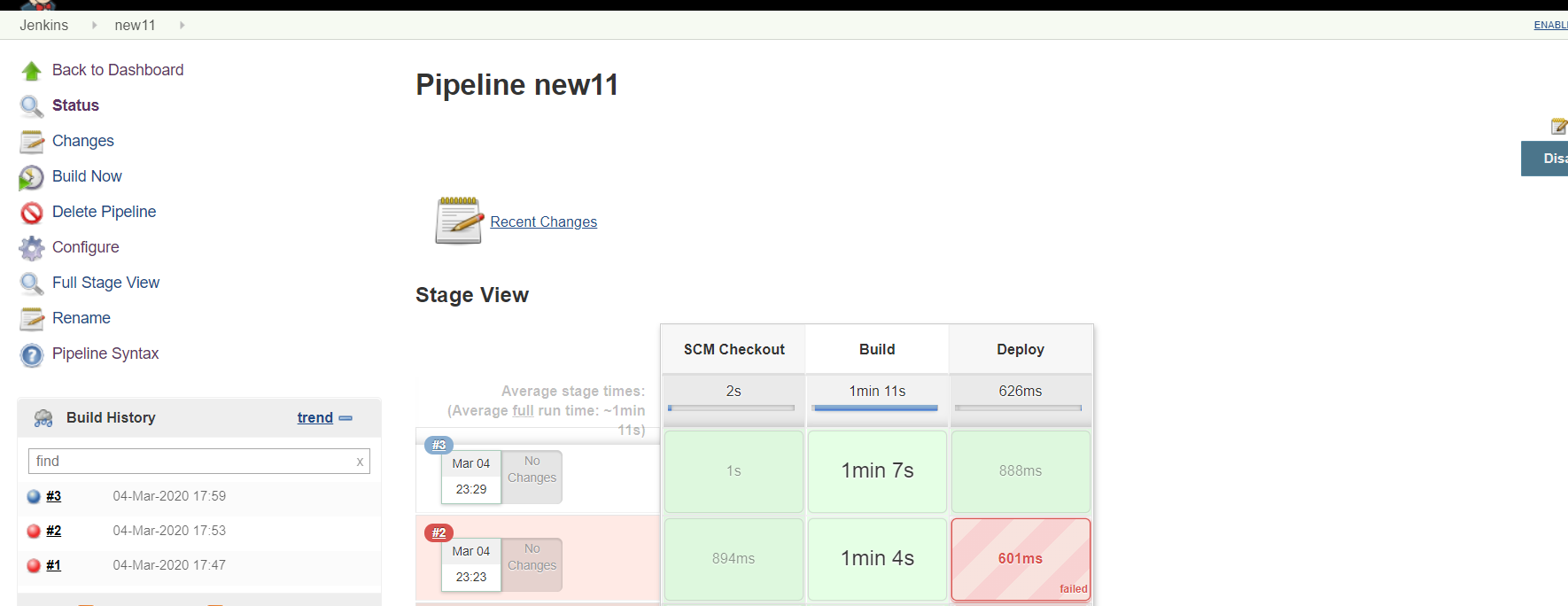
UseCase 1: Frontend-

Create a job on Jenkins- pipeline project as

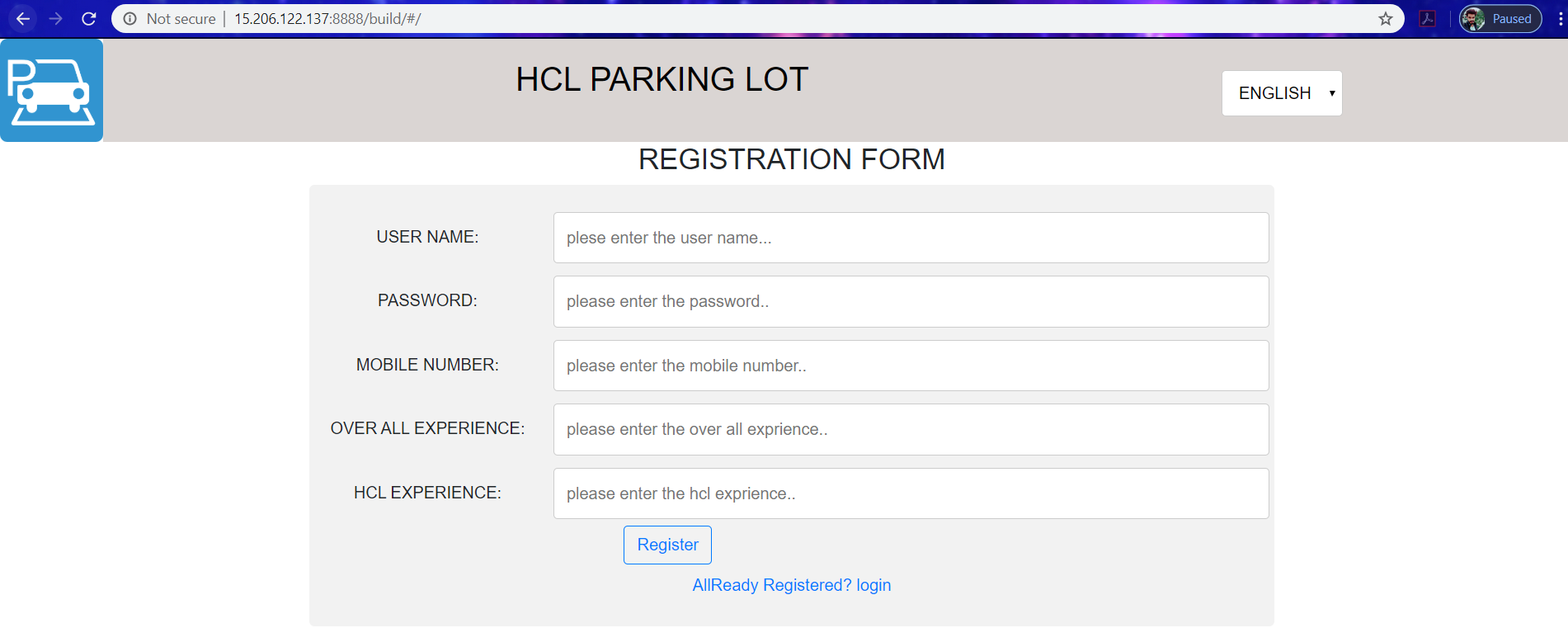




Build the job:



Check the output on tomcat:

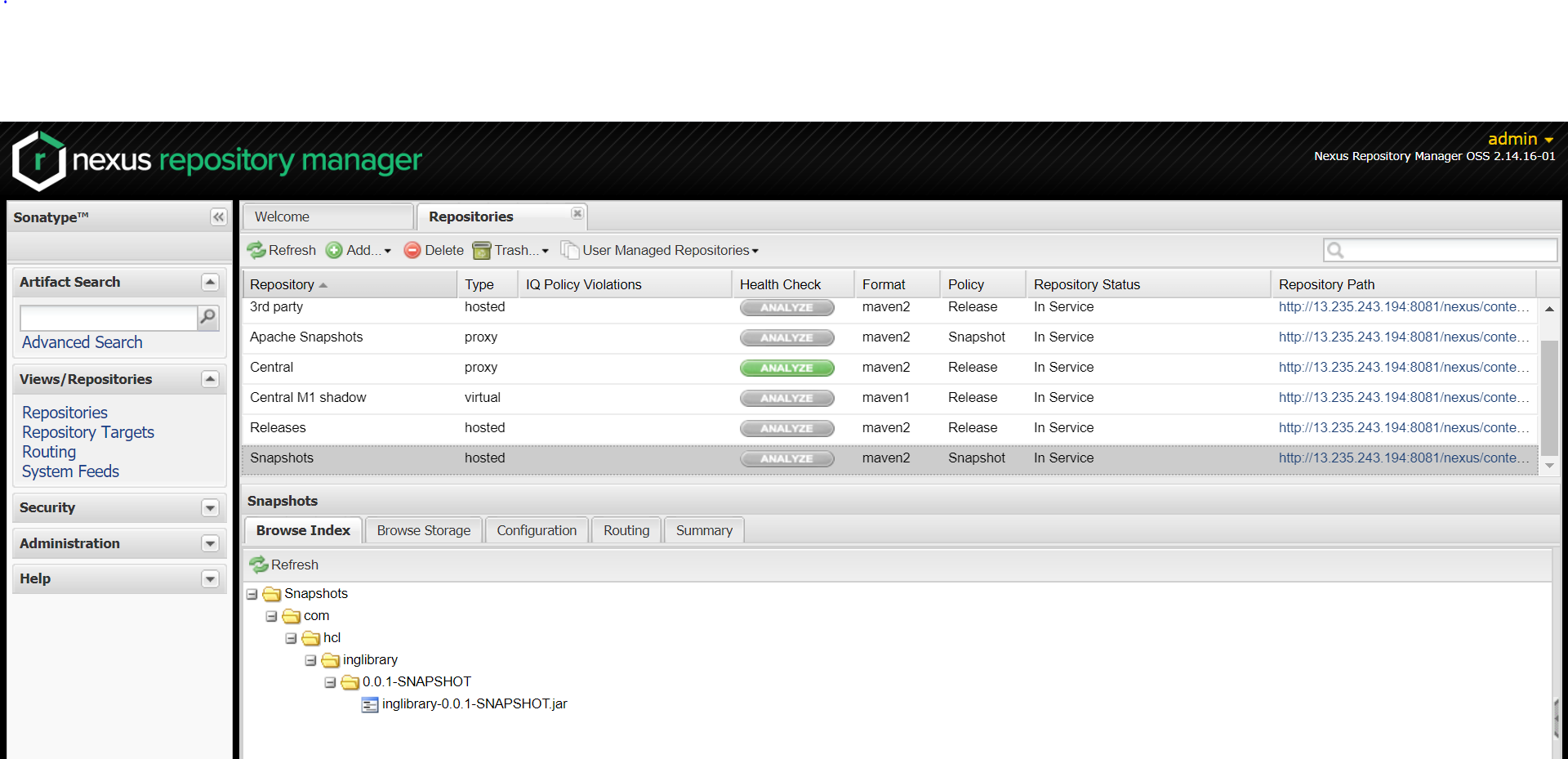


UseCase2: Backend Job-

First run nexus and mysql as docker container-

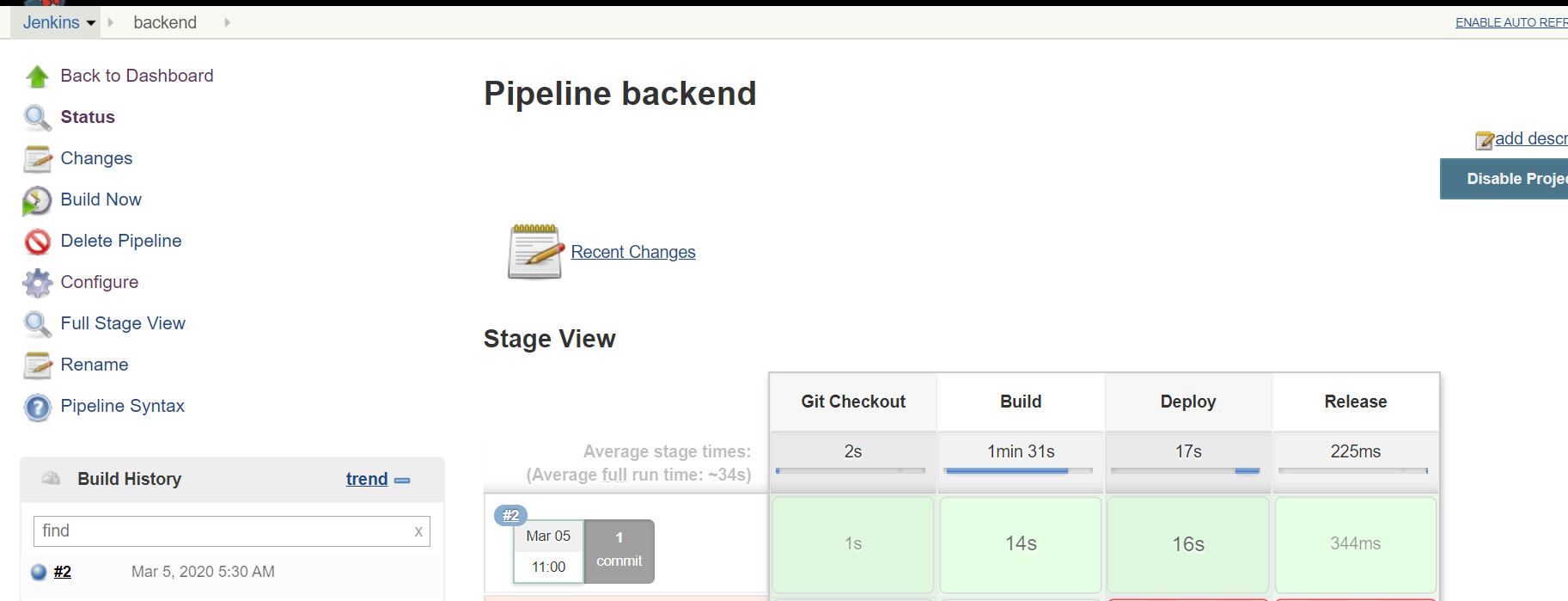
**docker run --name=test-mysql --env="MYSQL\_ROOT\_PASSWORD=”H@ckath0n" mysql**

**docker run -d --name=mynexus -p 8081:8081 sonatype-nexus**

Build a backend job as pipeline on Jenkins as-



Build the job-



Check the artifact on nexus-

