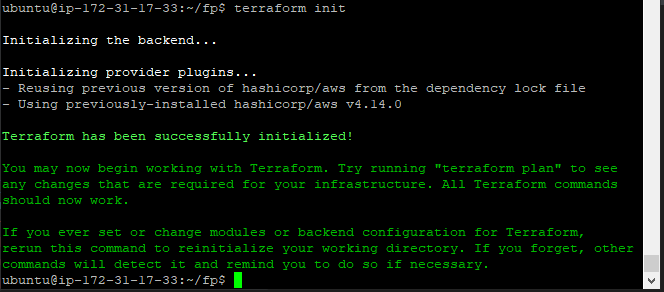
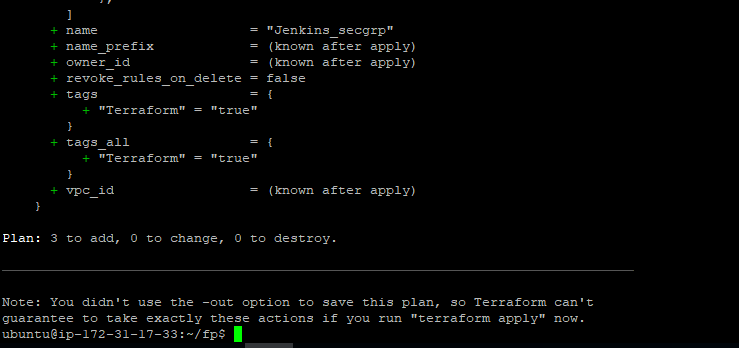
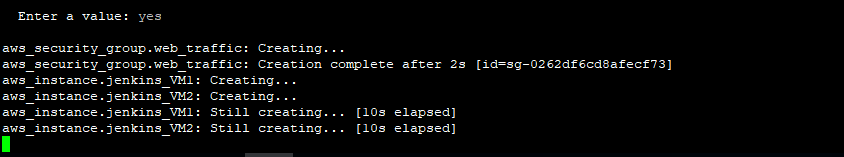
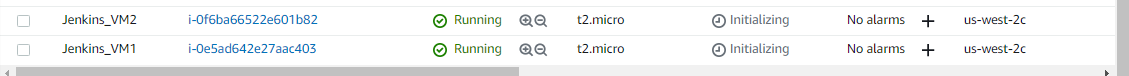
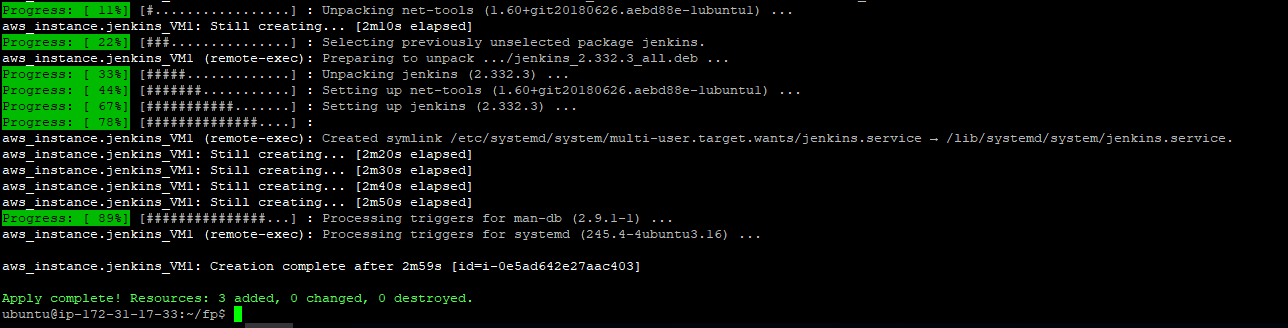
Part 1: Terraform to create two VMs in AWS

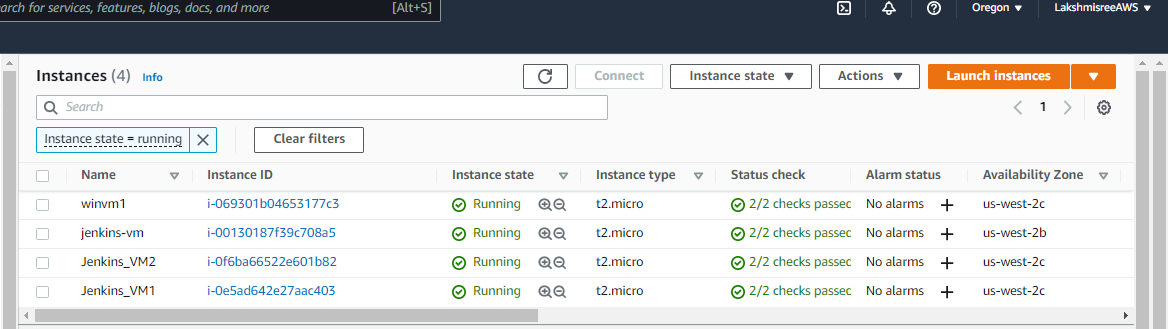




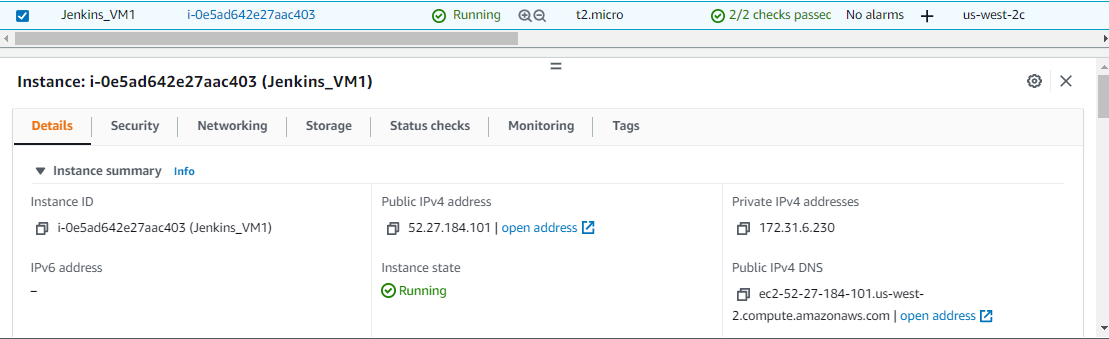




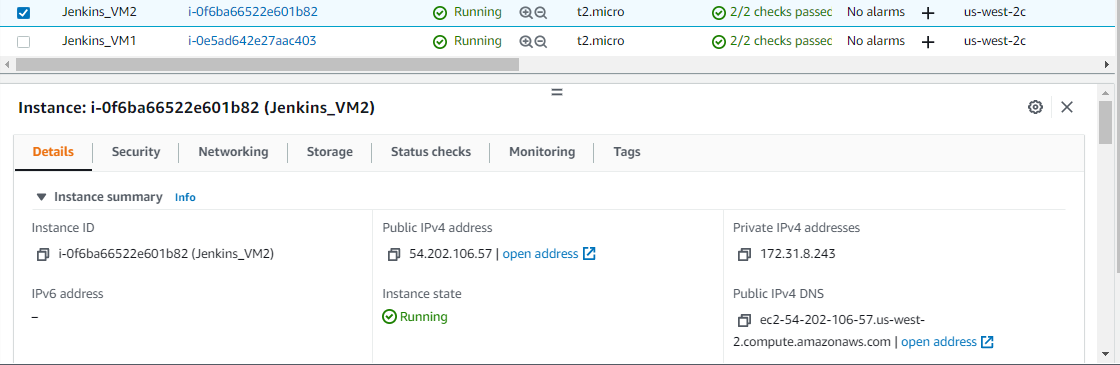




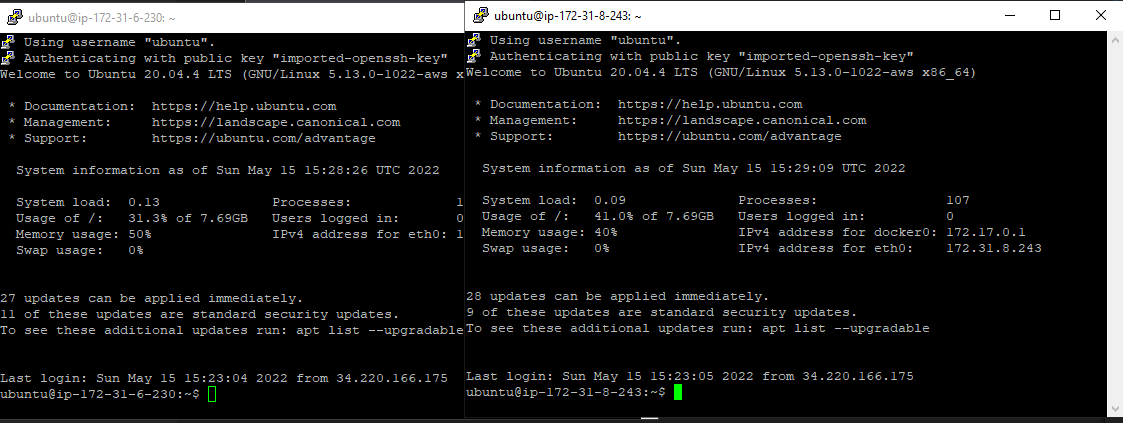
VM1:



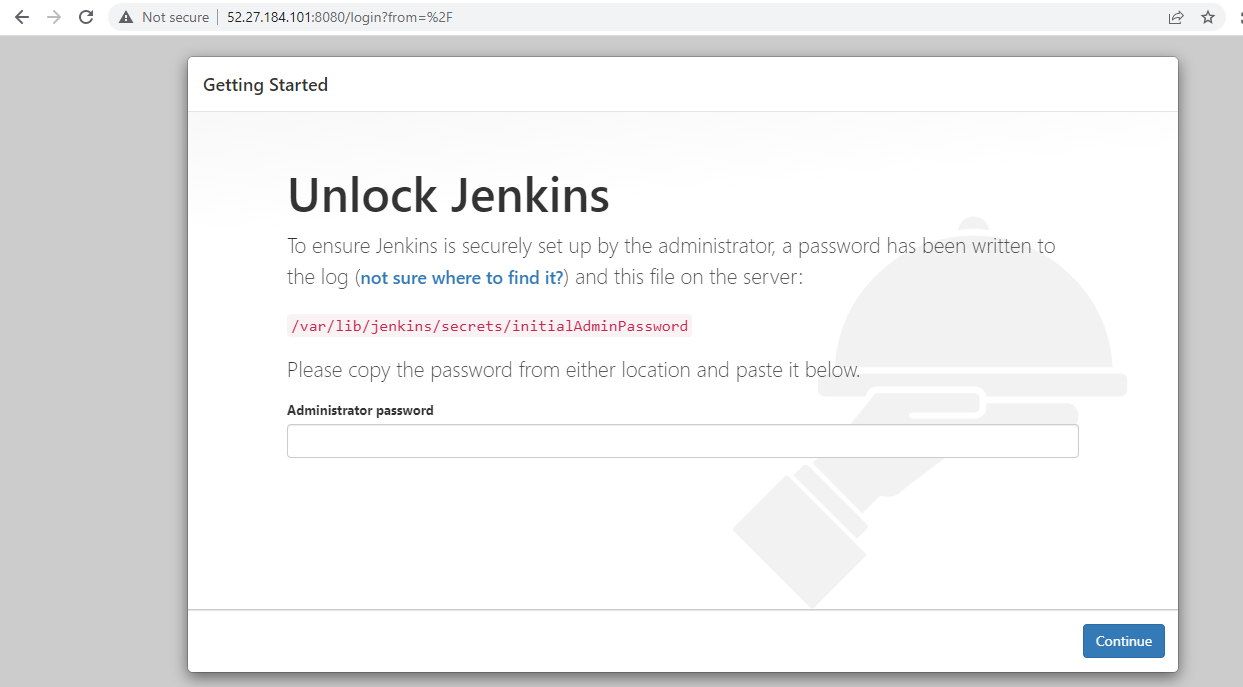
VM2:



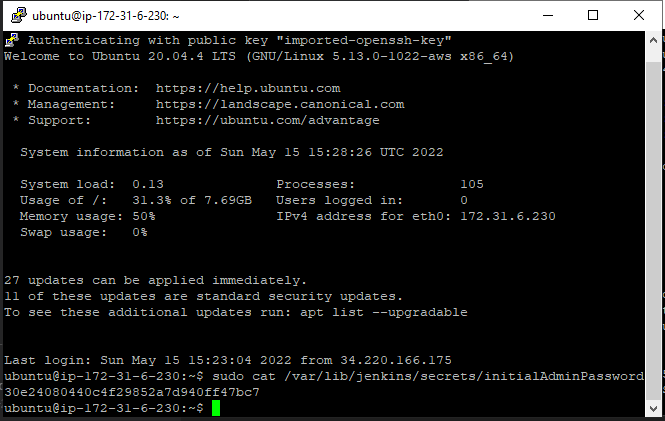
Logged in into the VMs:

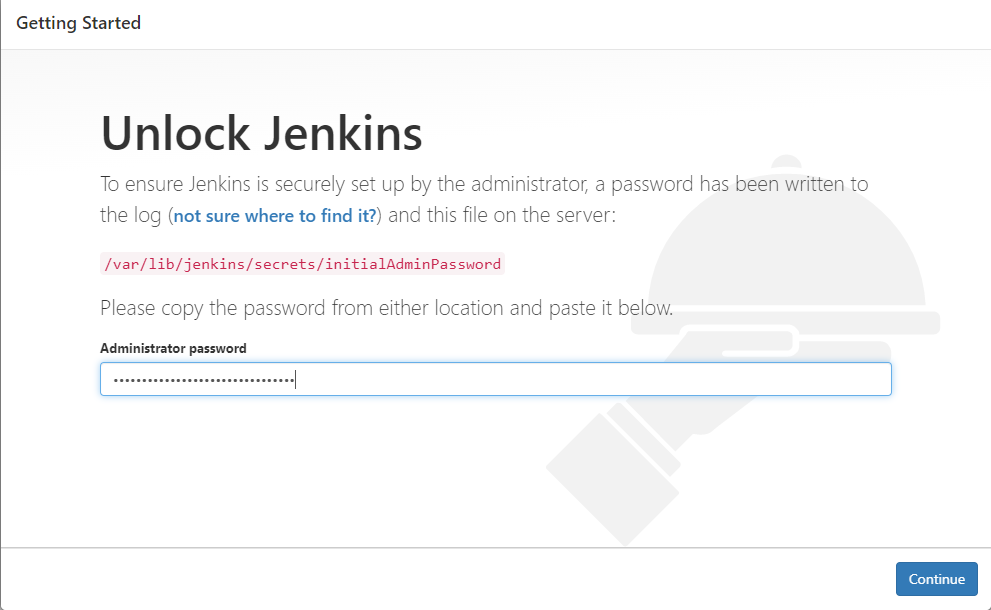


Jenkins Web UI:

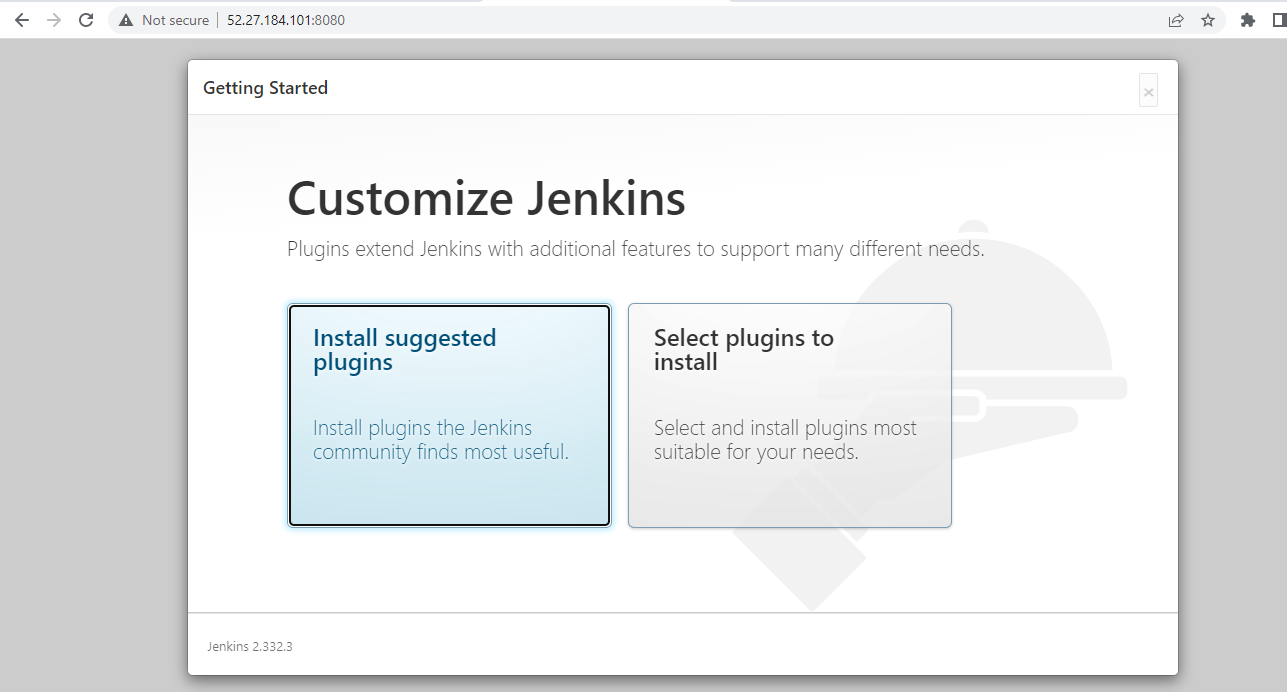


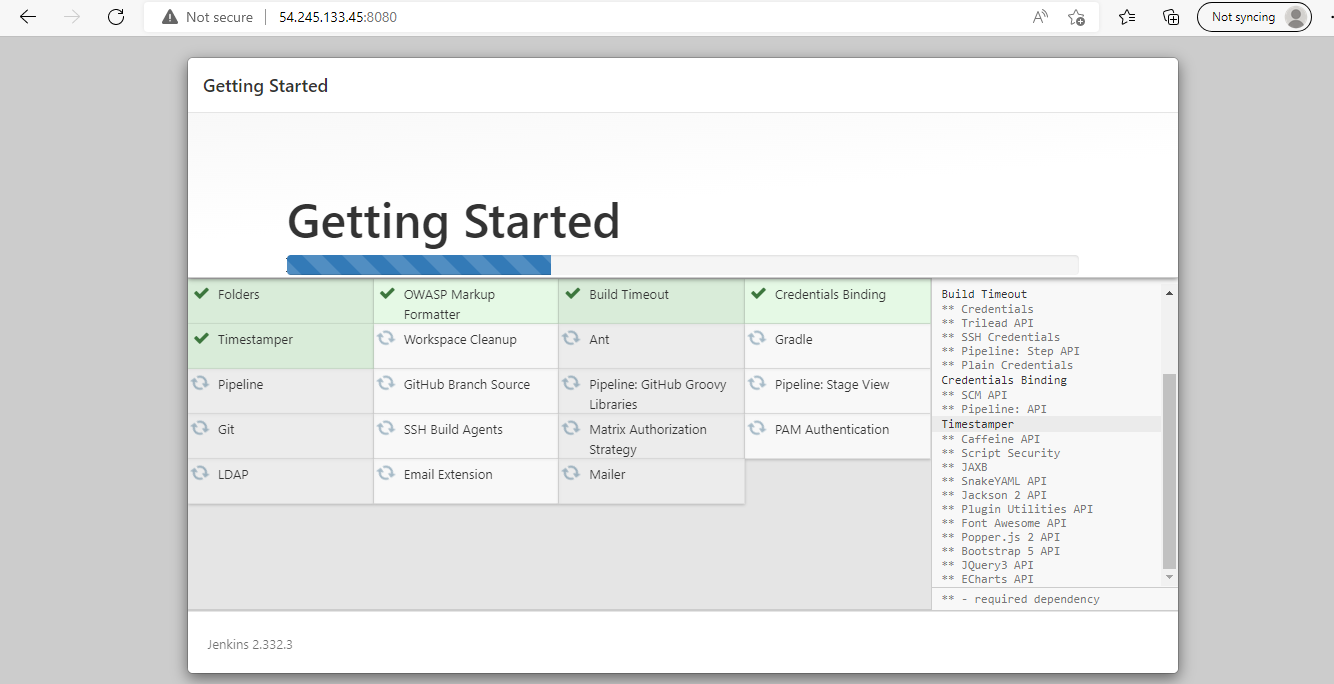
Getting Initial password:

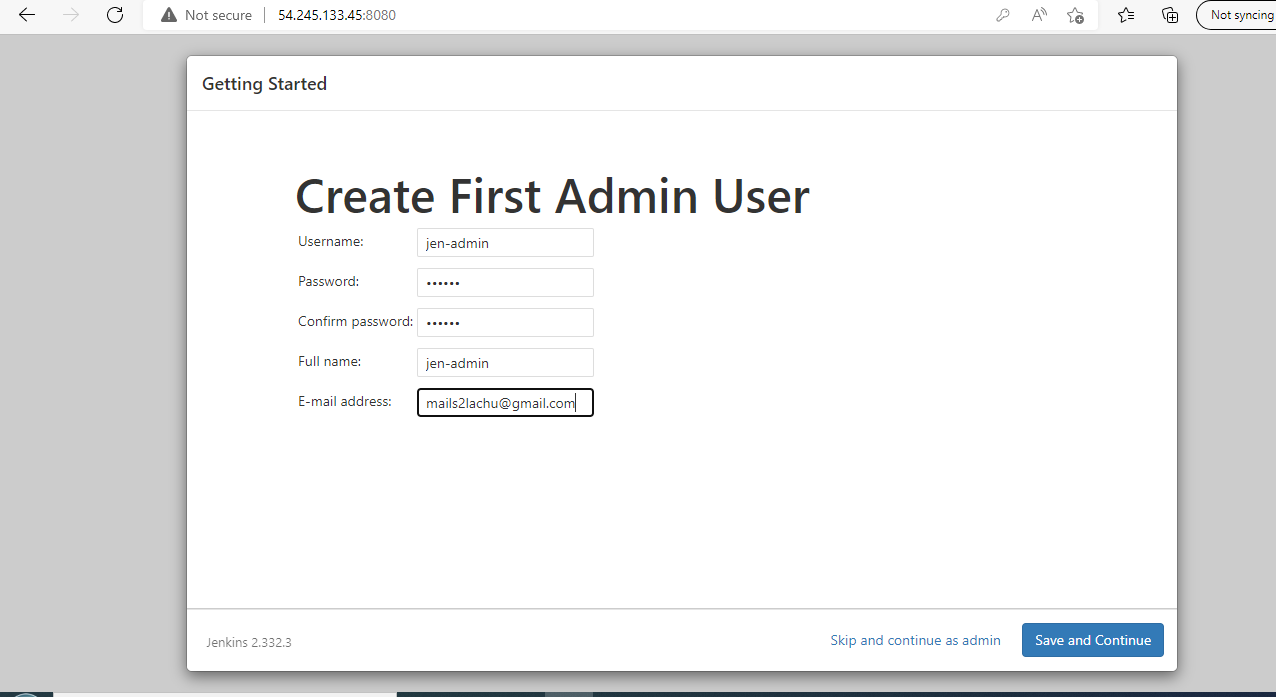


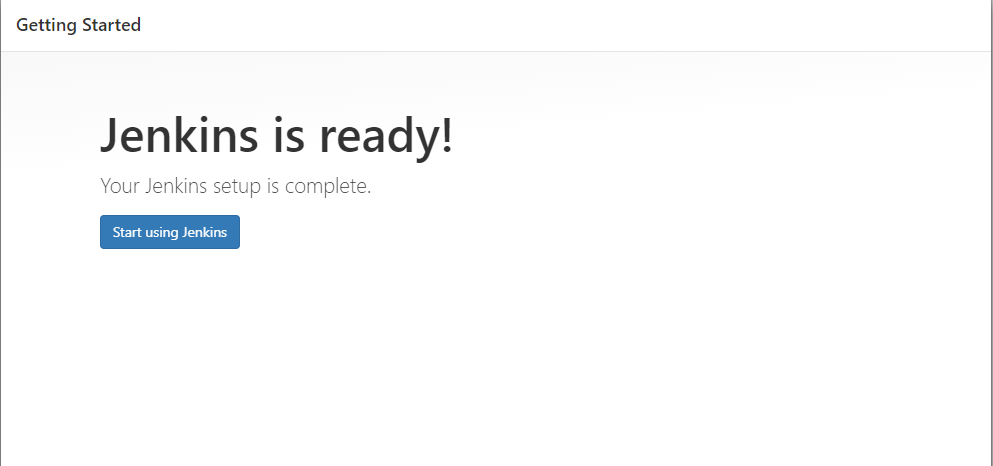


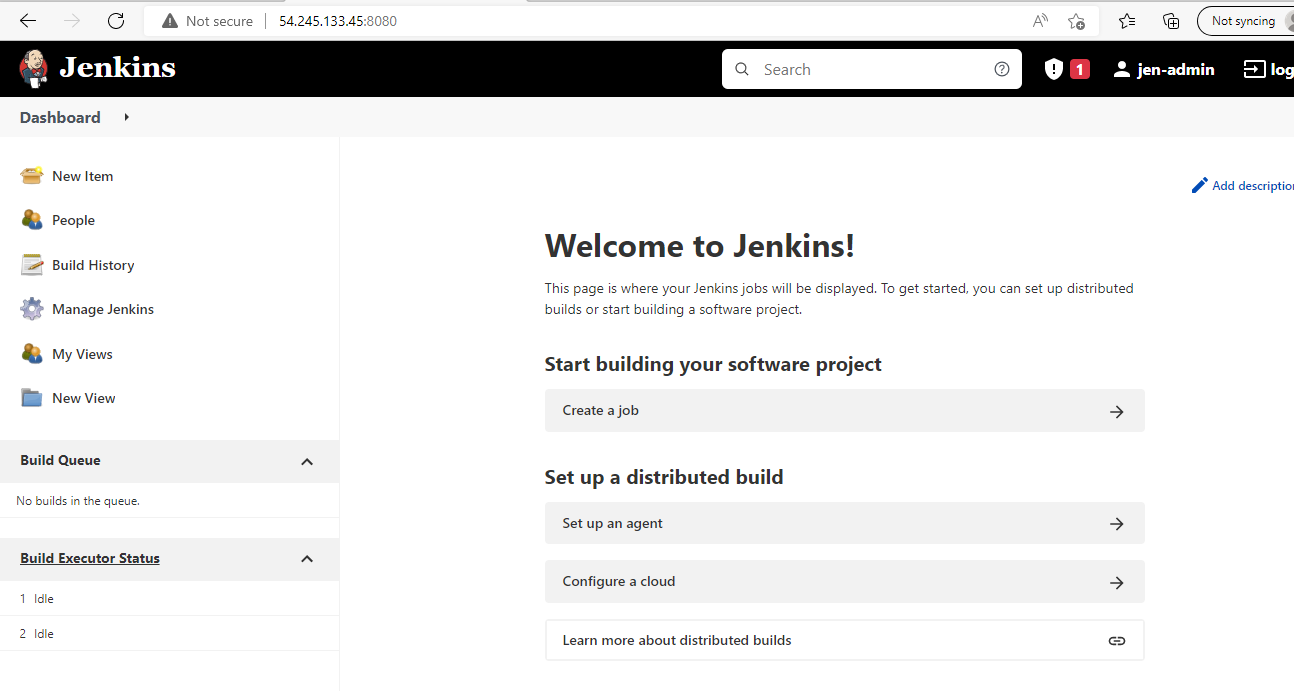
Configure Global tool configurations in Jenkins to use JDK,Maven and Git

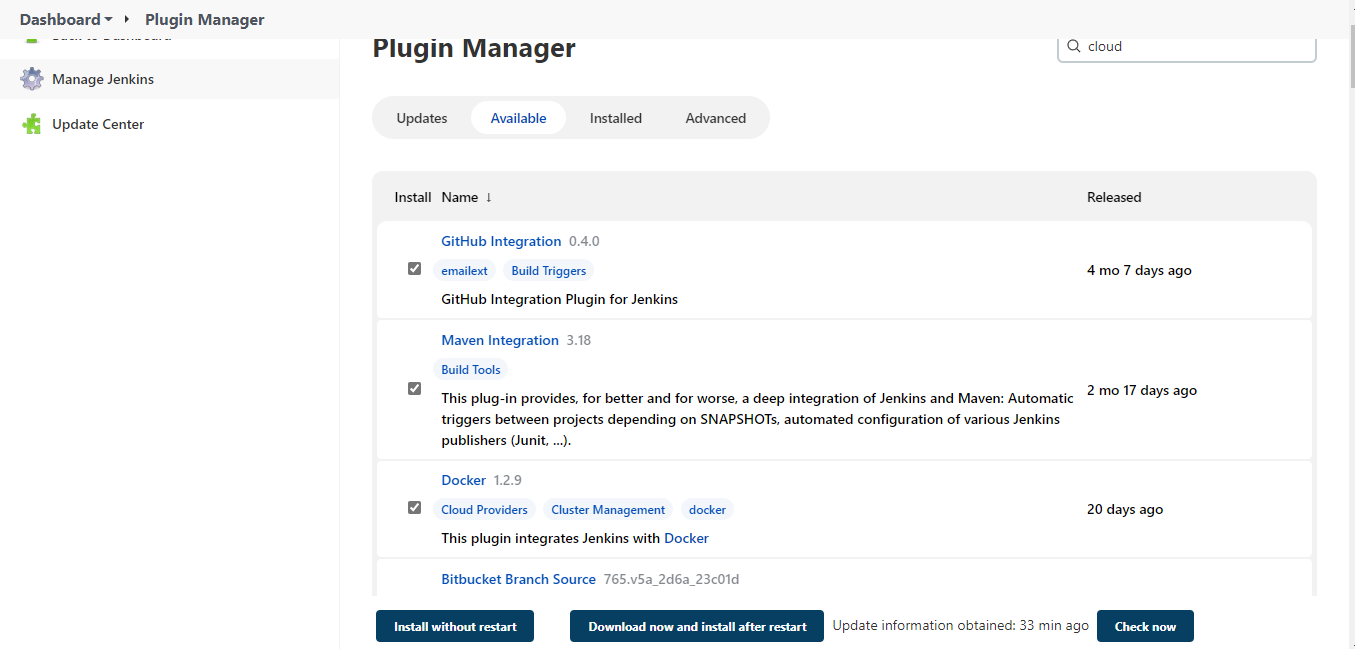


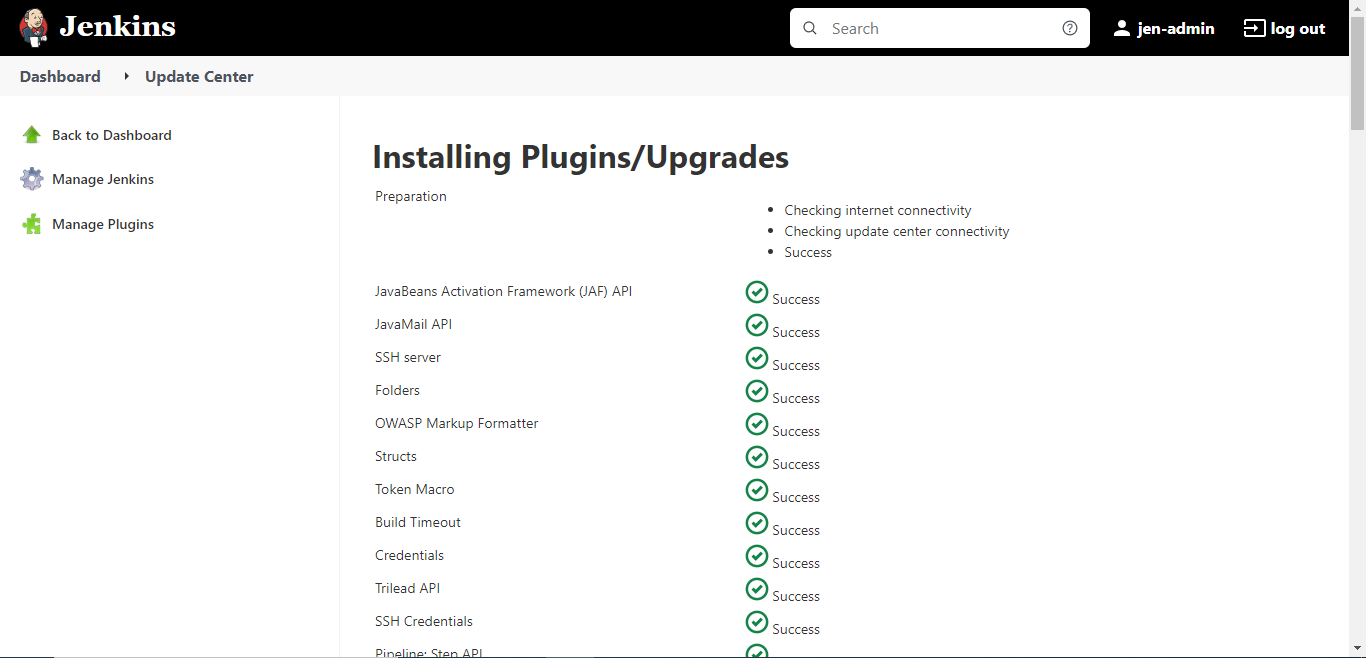


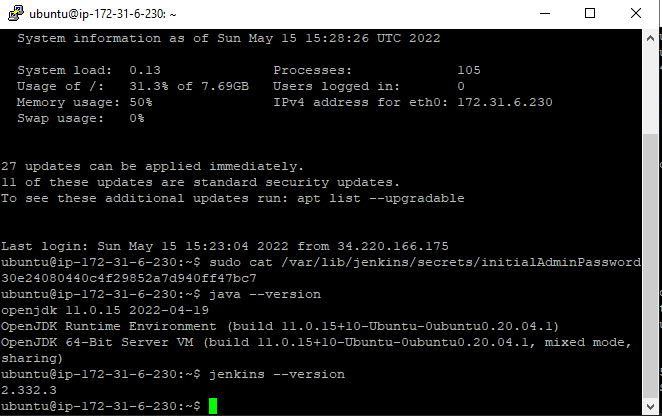


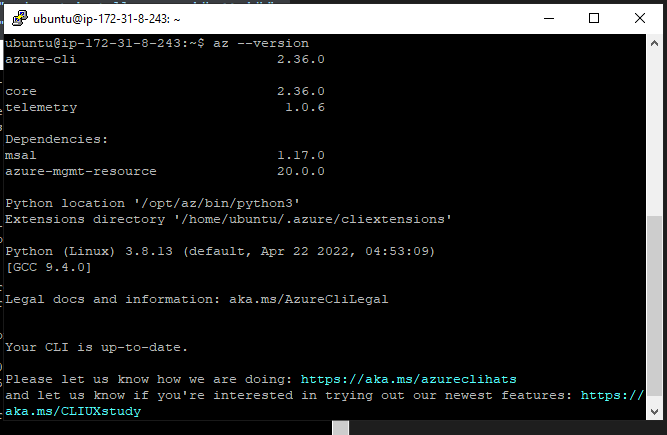


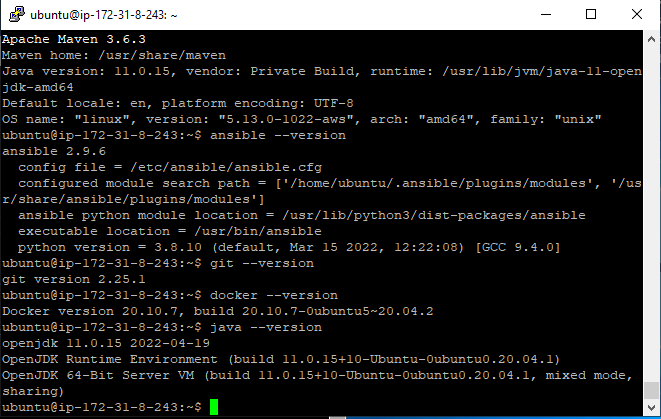






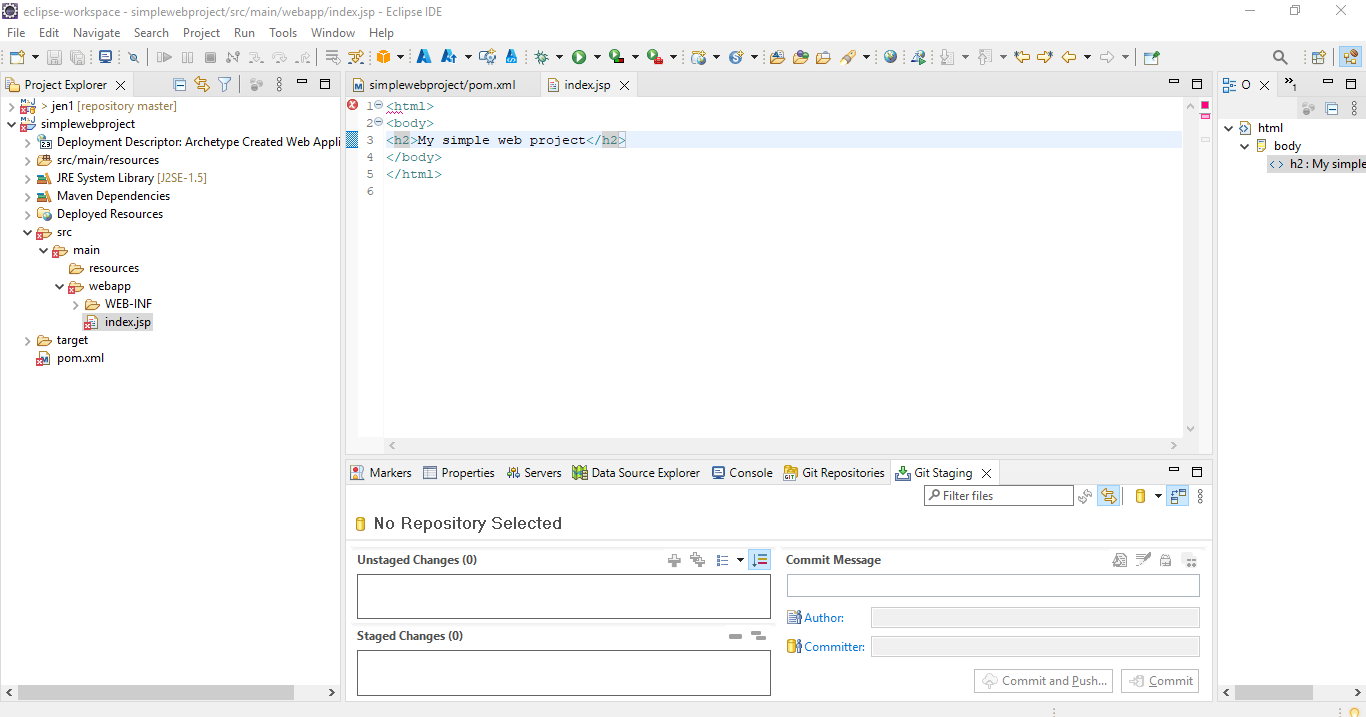




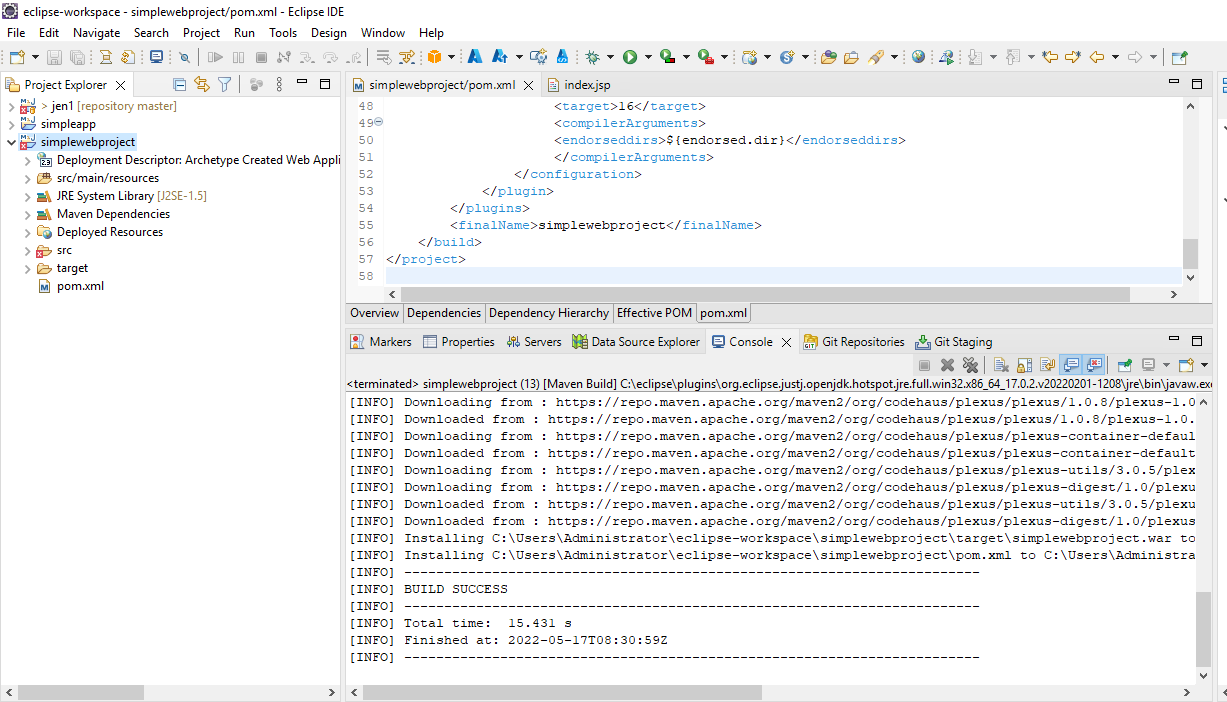


**Part 2 - Phase1**

Create Maven Project with Archtype as web application in eclipse:



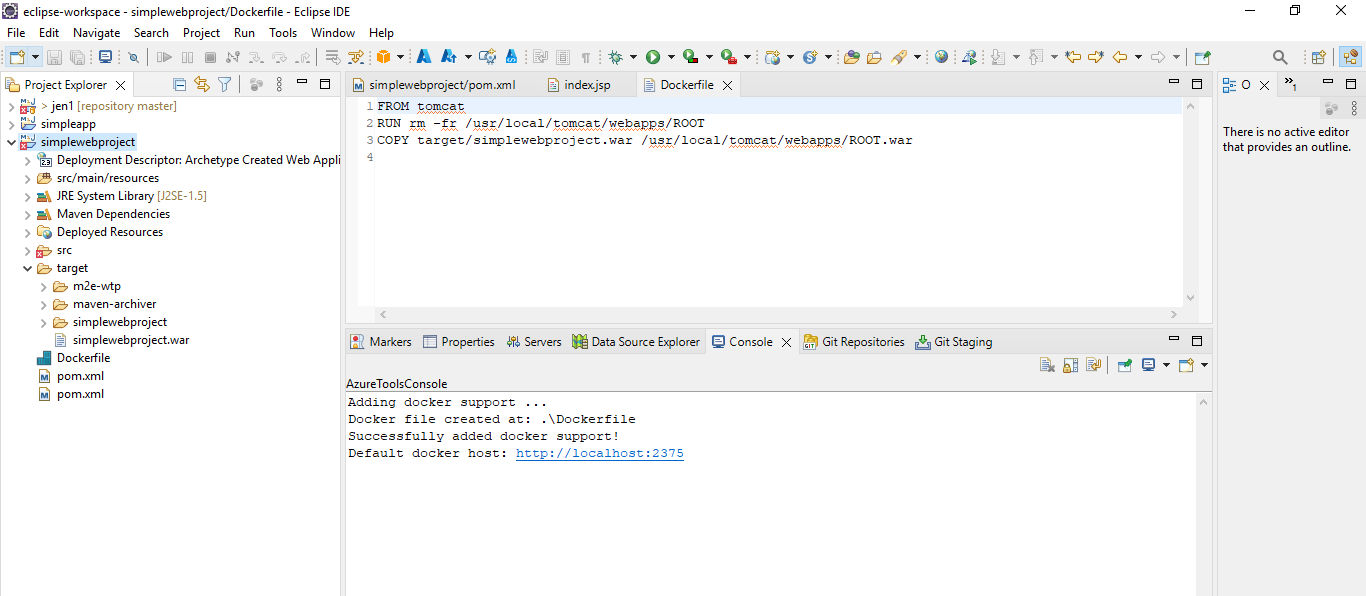
Run Maven clean install in eclipse to check the build and check for .war file in target folder:



**Part 2- Phase 2**

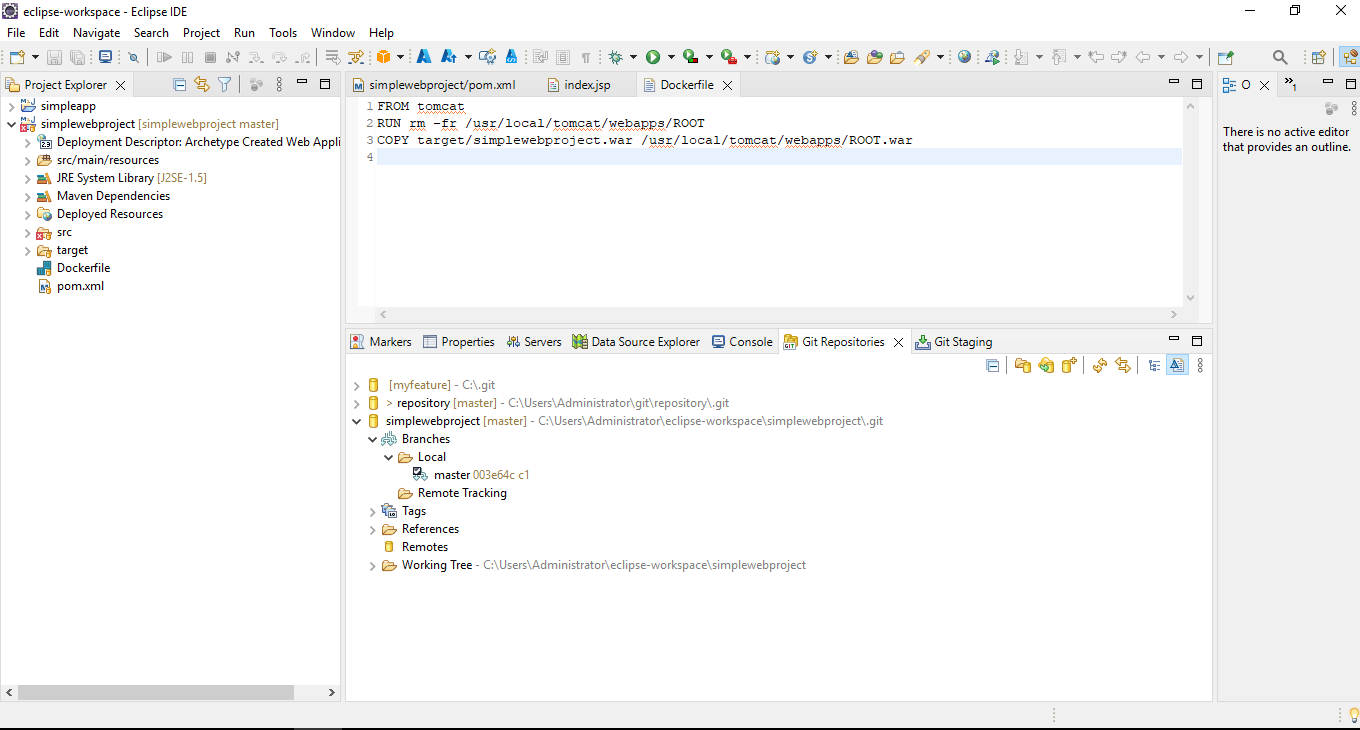
Modify FORM statement to use tomcat as base image:

**Part 2- Phase 2**

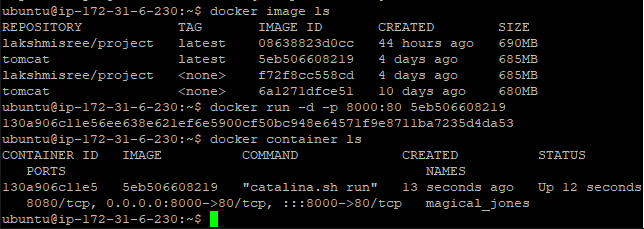


**Part 2- Phase 3**

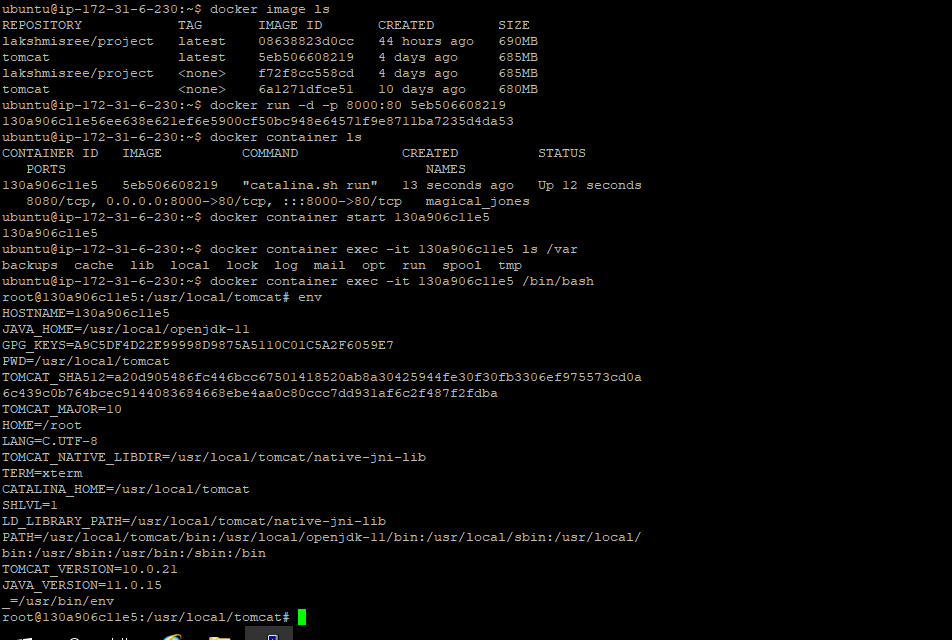
Commit and Push the code to remote repo :

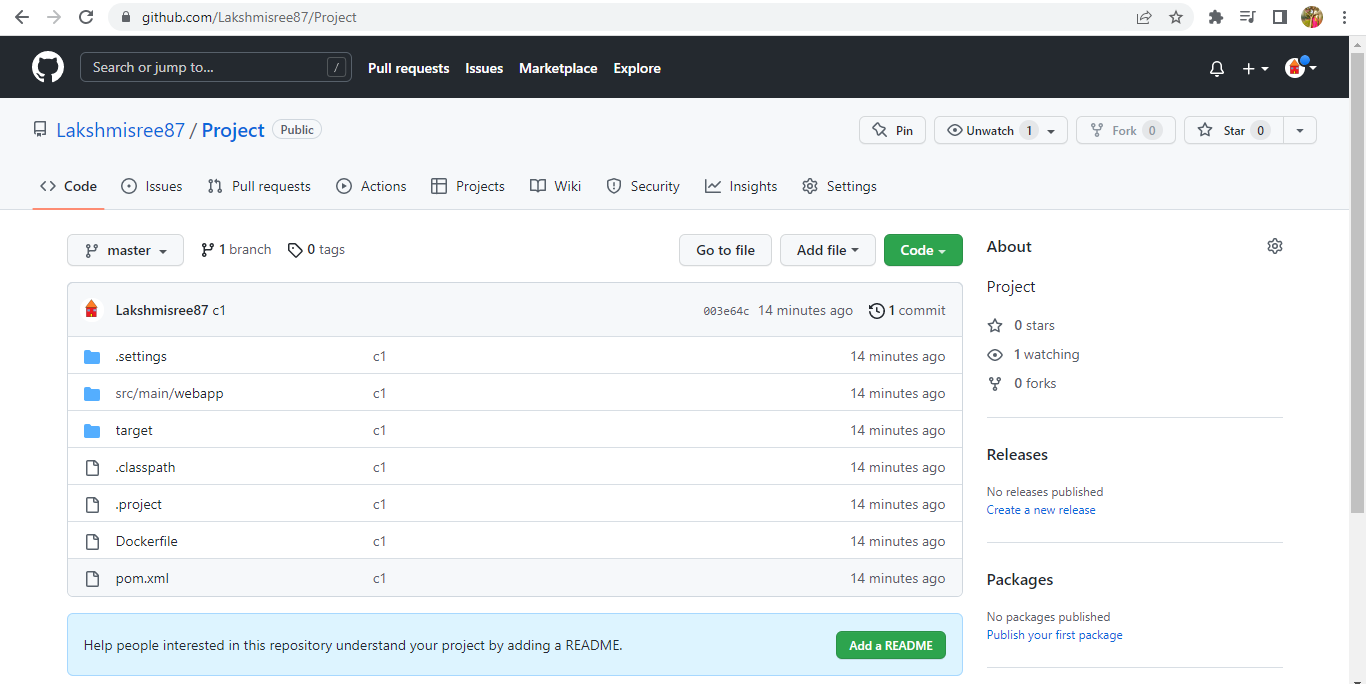


Test the Dockerfile by running Docker build and create a container



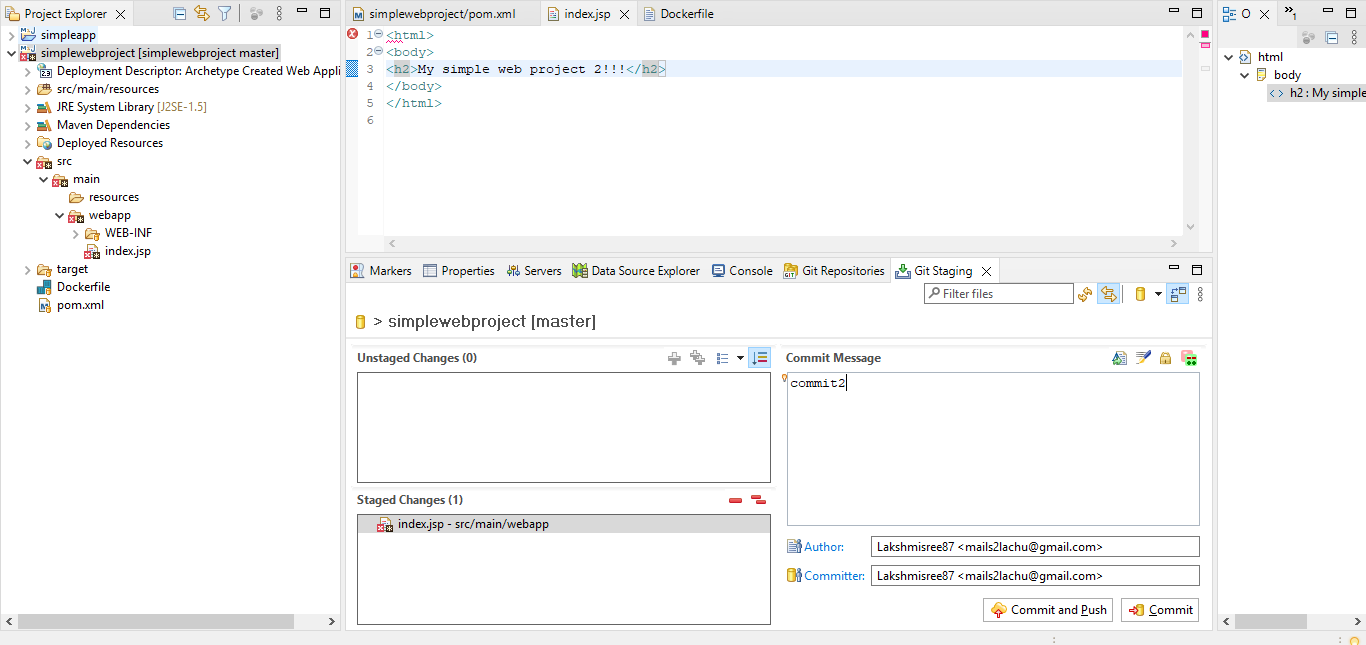
Access the application from container and check it



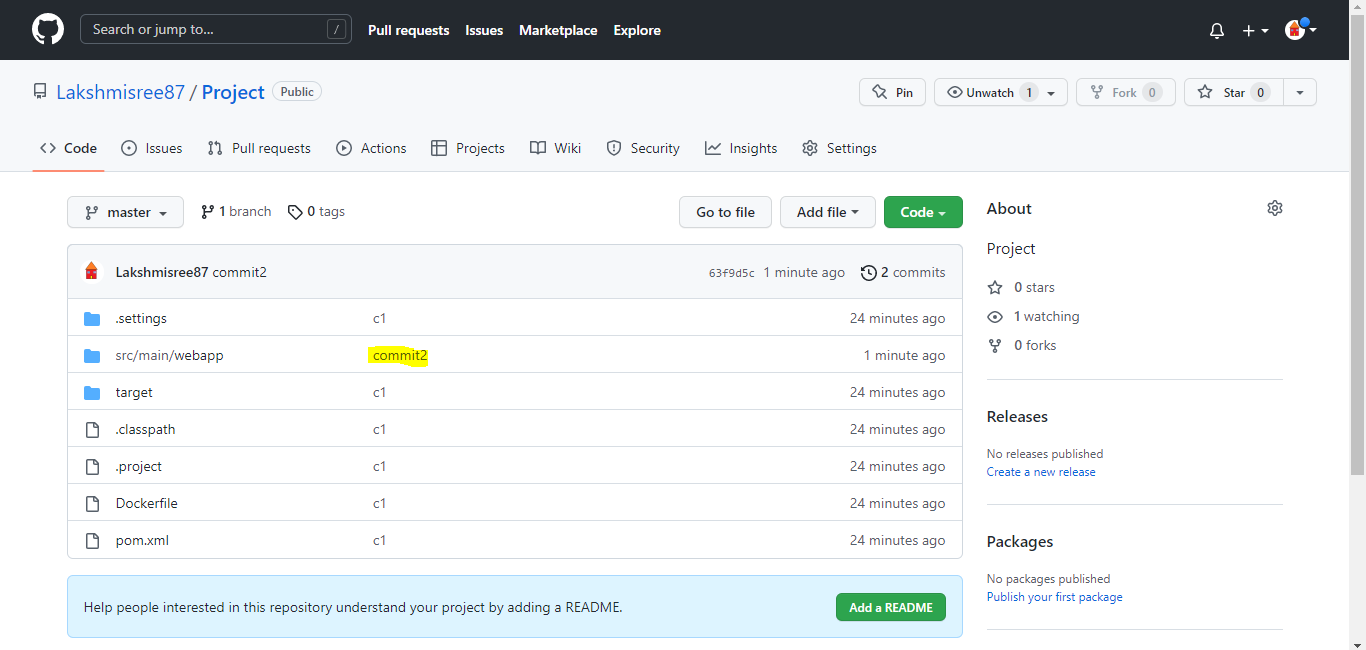


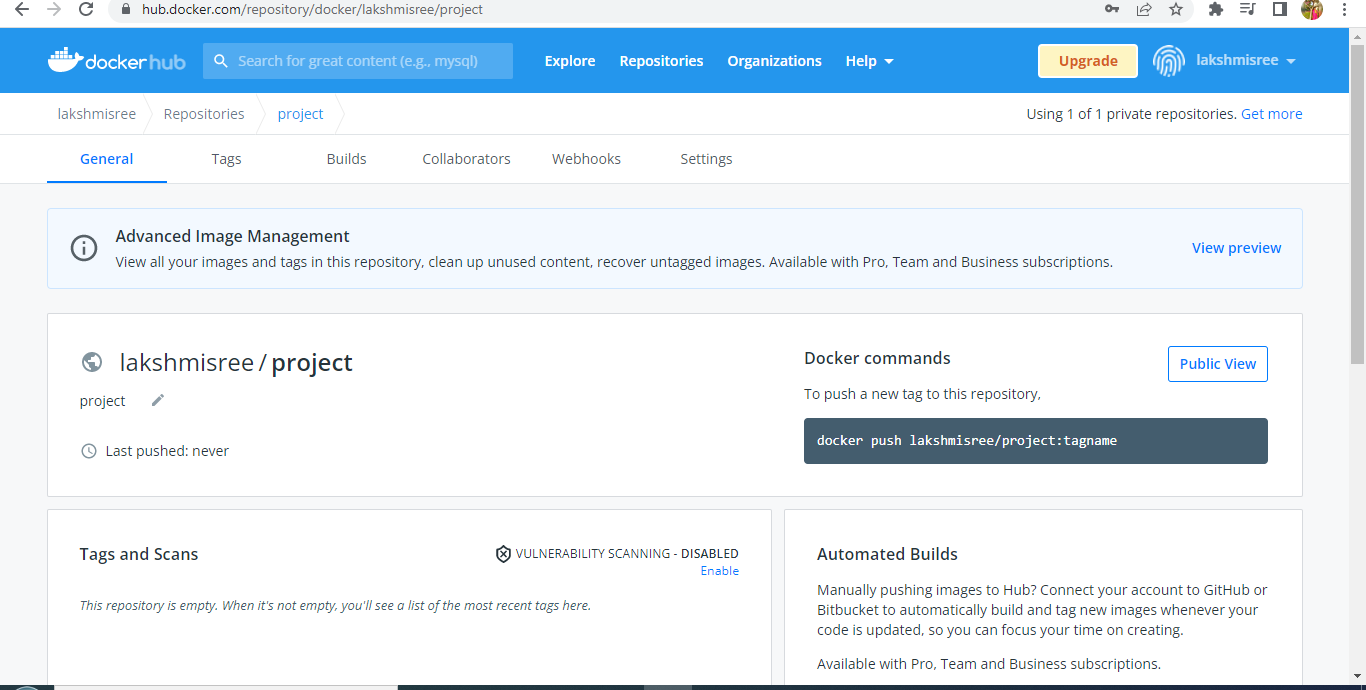
**Part 2- Phase 4**

Modify Project index.jsp, Commit and Push to remote repo :

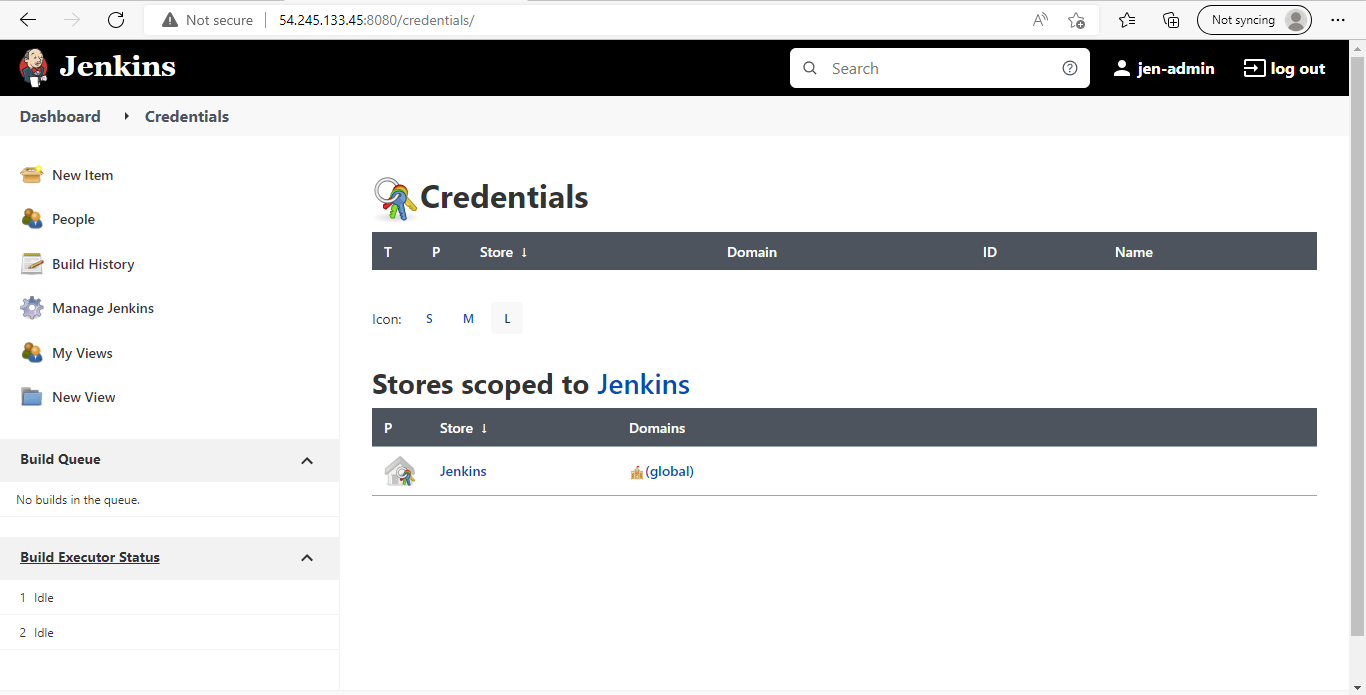


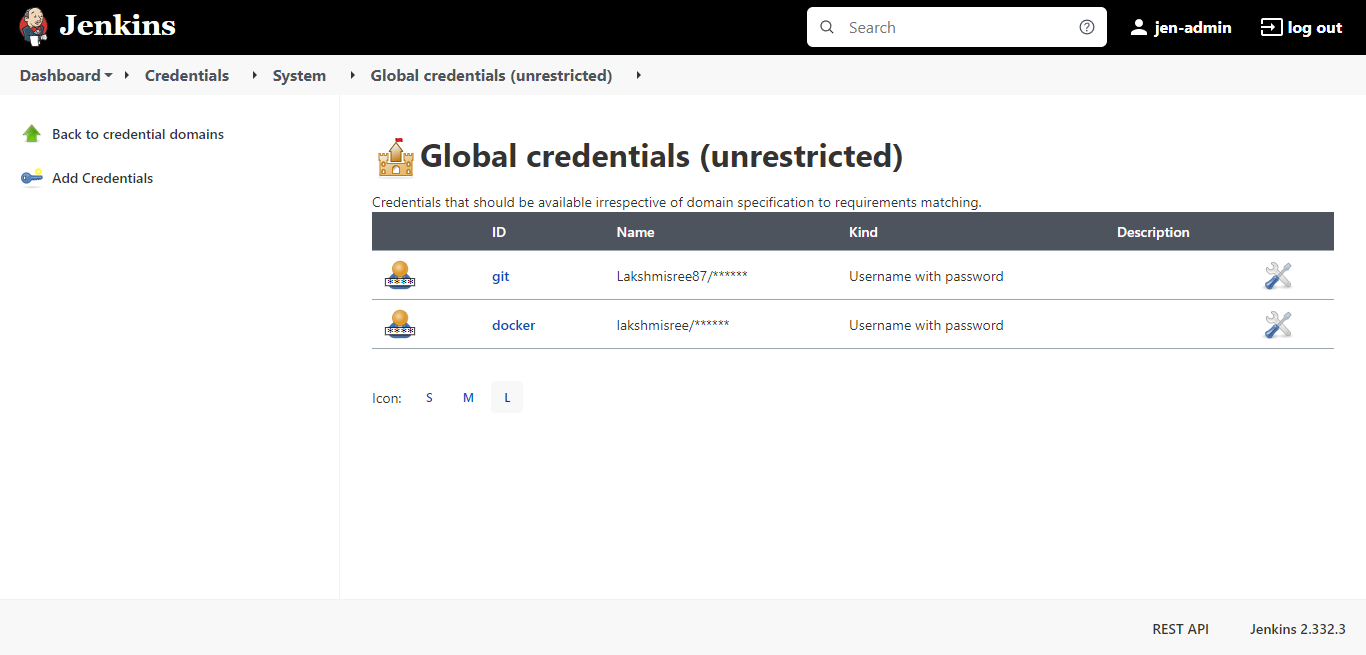
Check for the change in remote Repo:



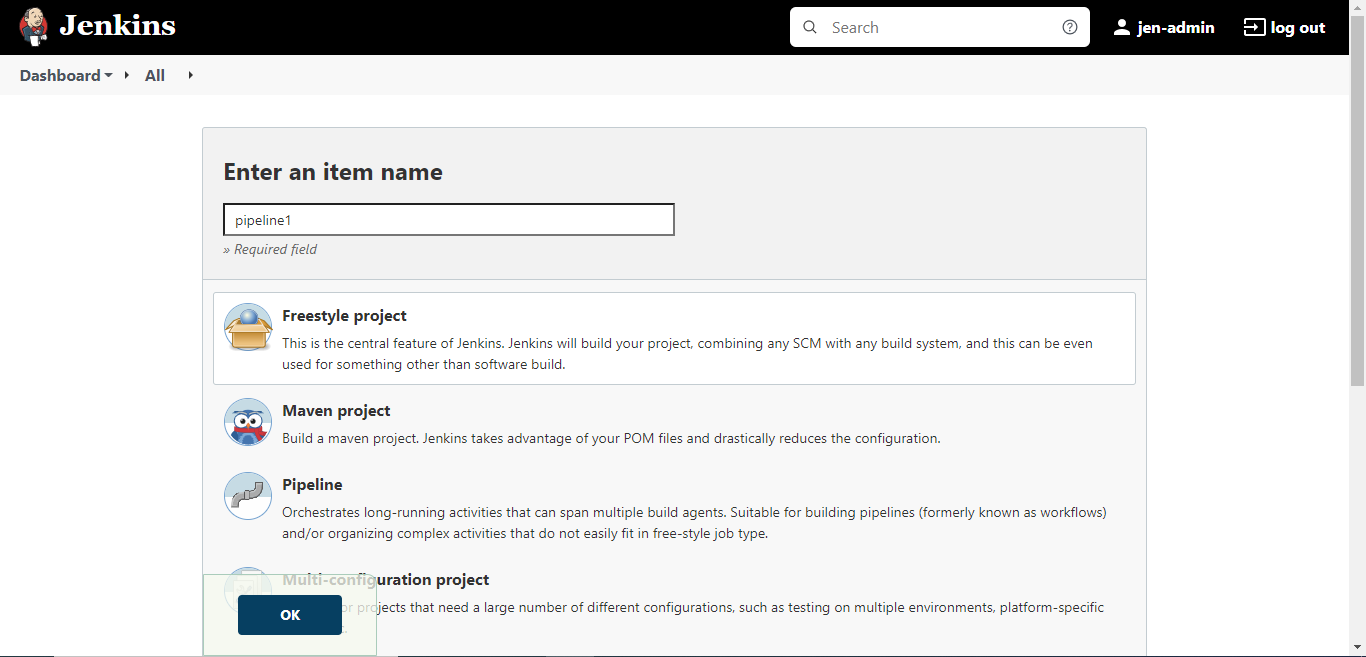


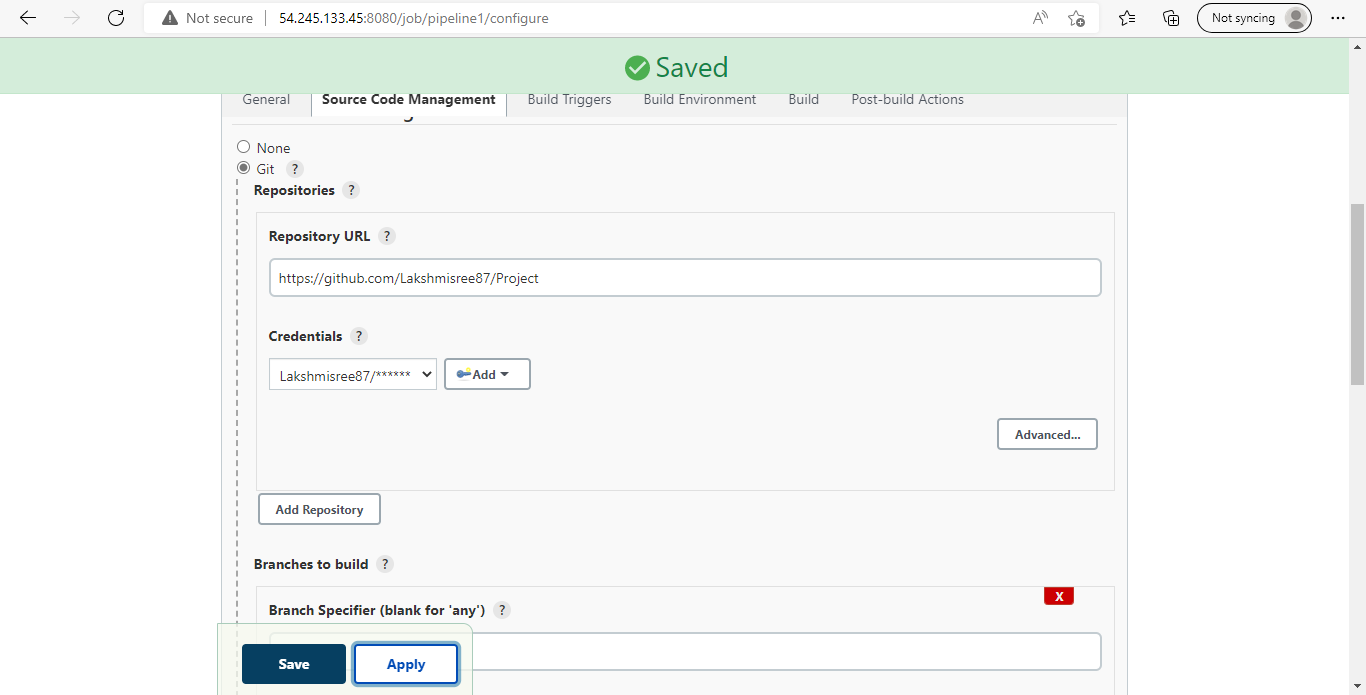
Configure Git credentials in Jenkins Vault:



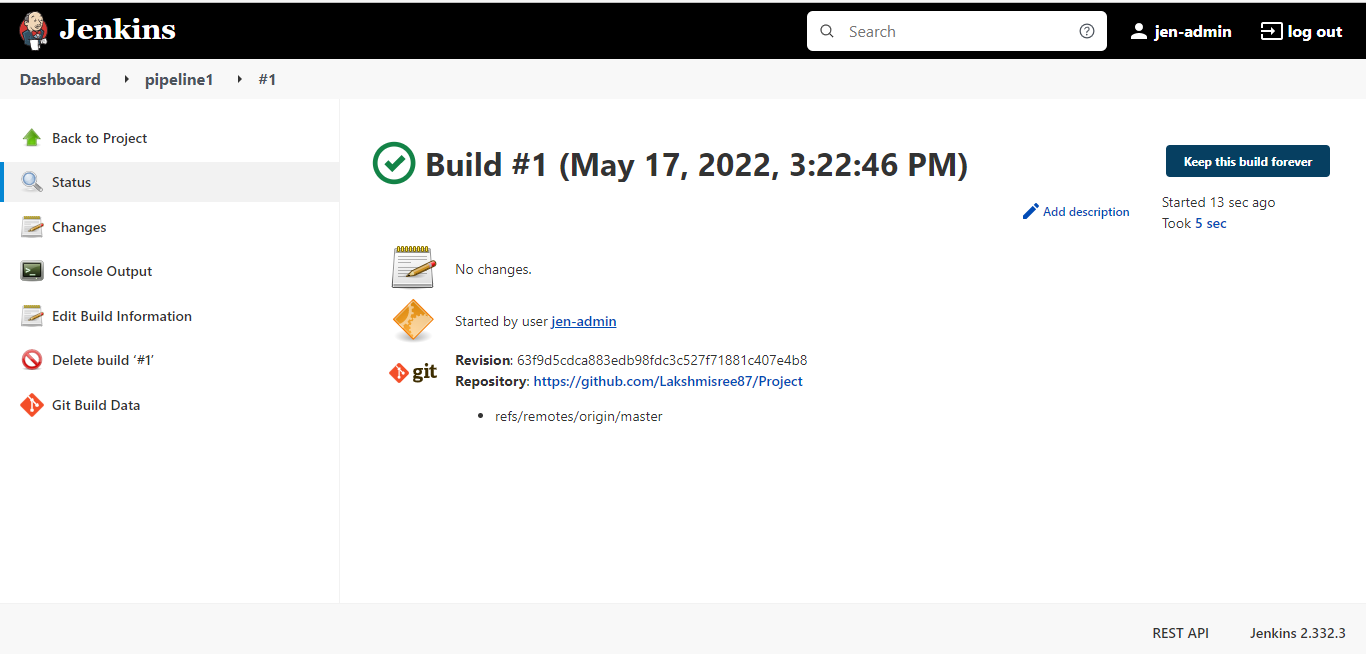


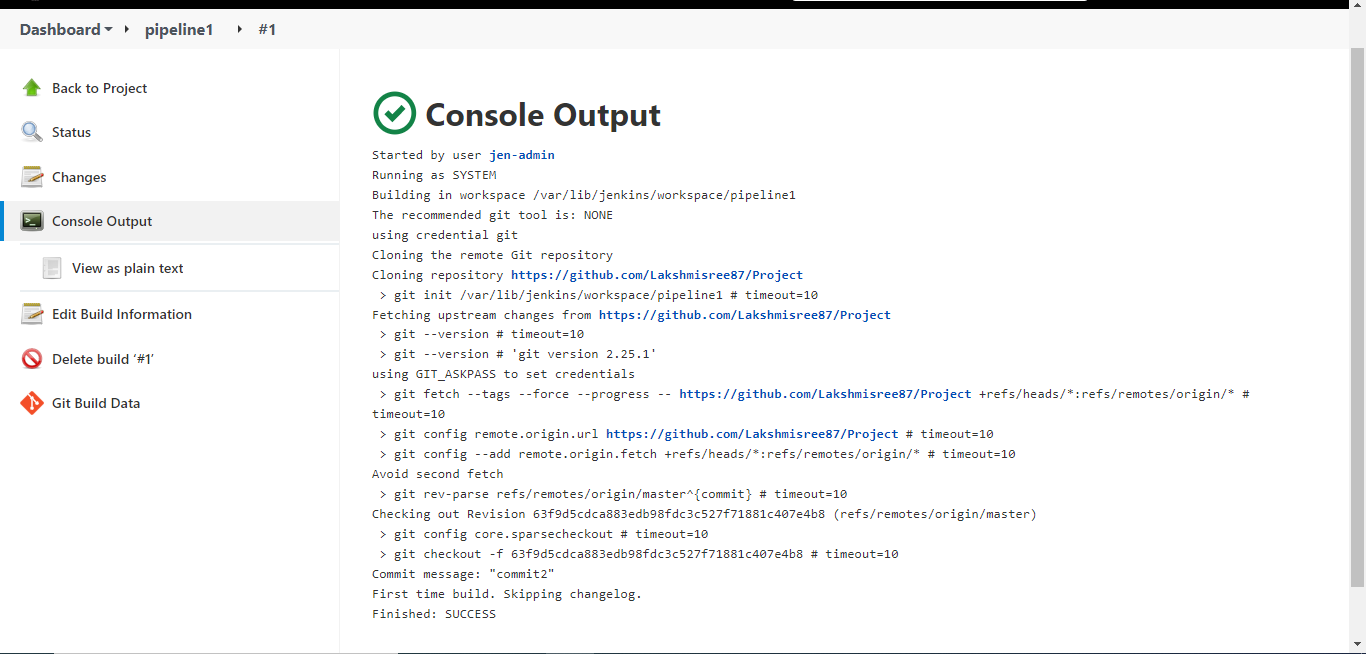
Create Pipeline1 using Freestyle project in Jenkins:

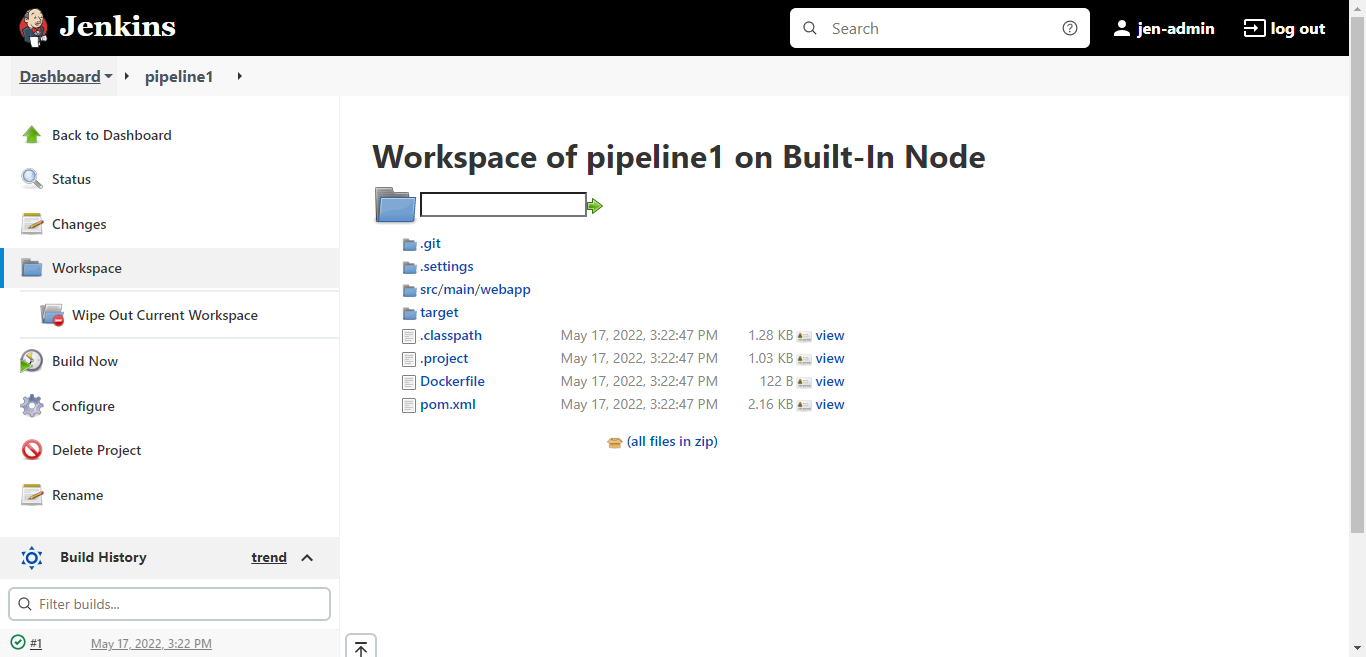


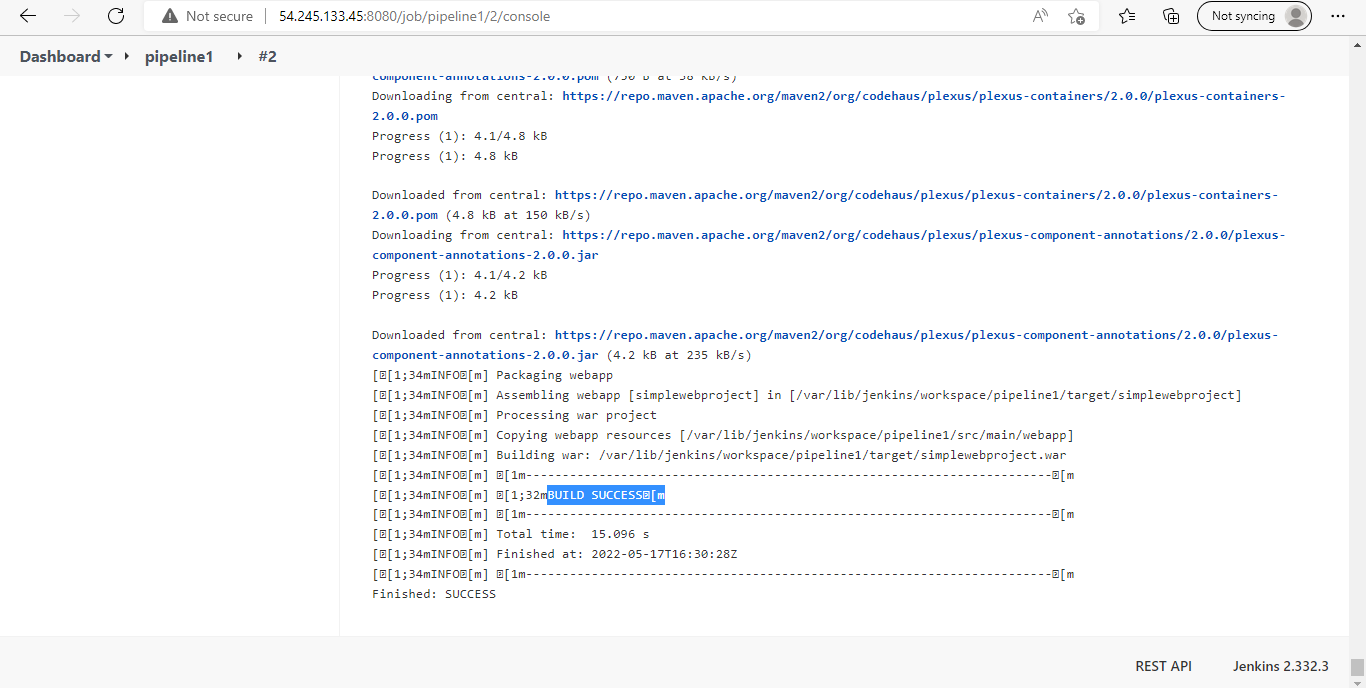


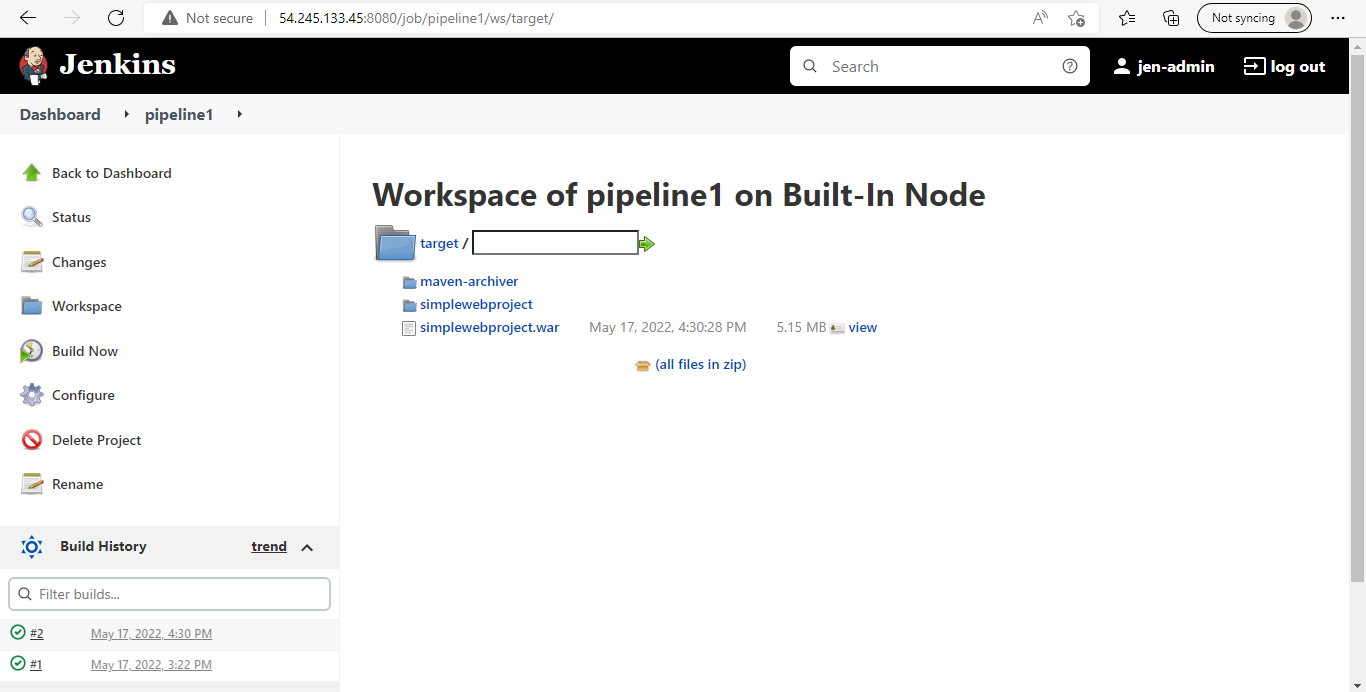
In Build Stage, Step 1 : use maven top level target to build

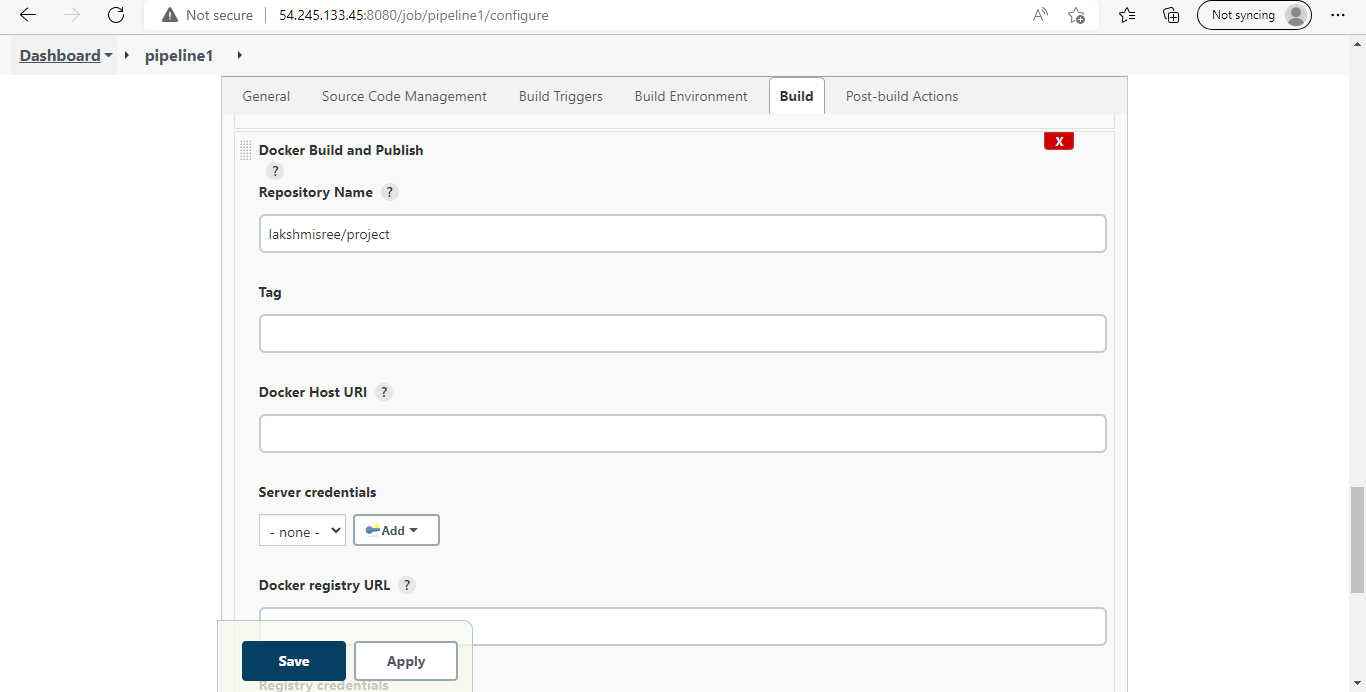


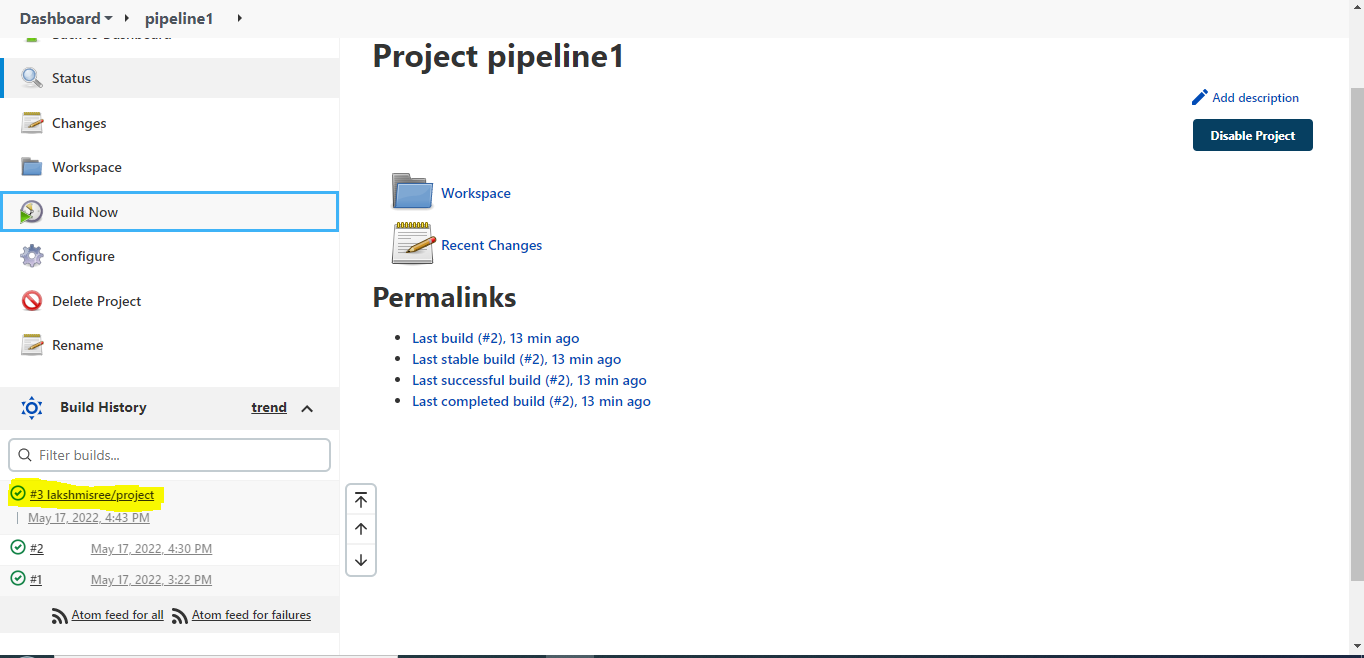


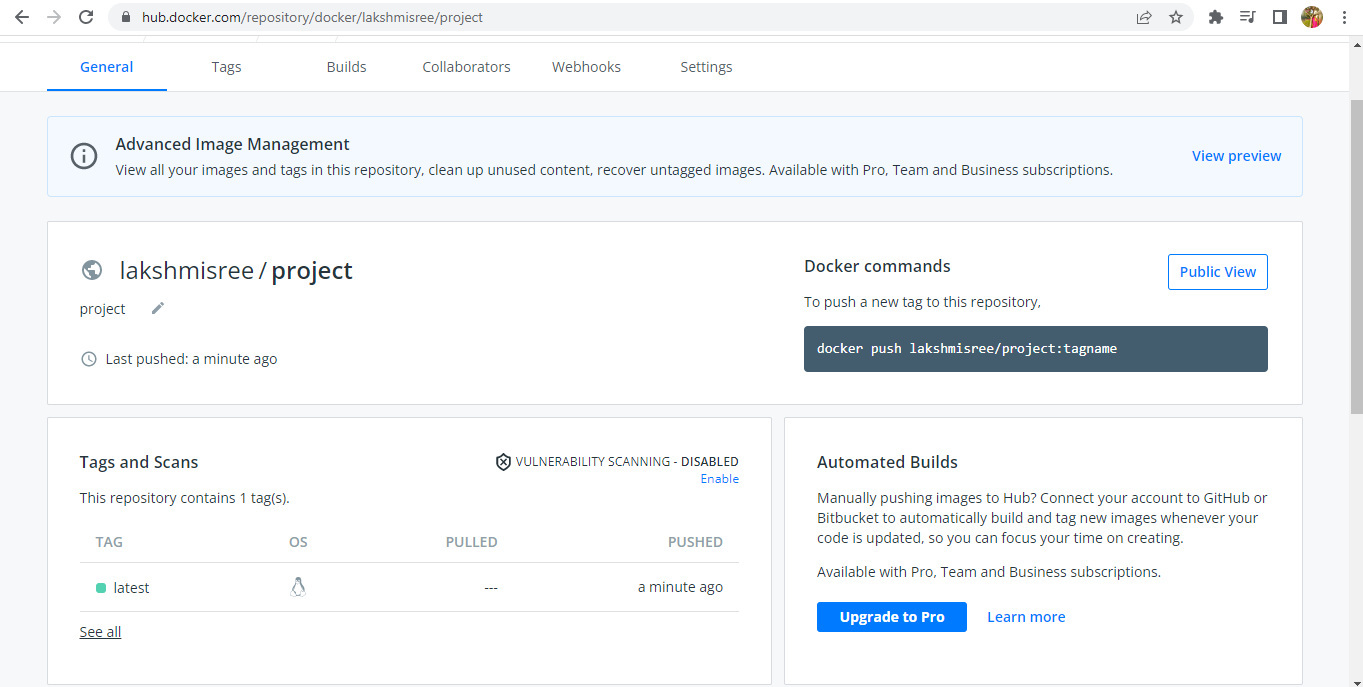






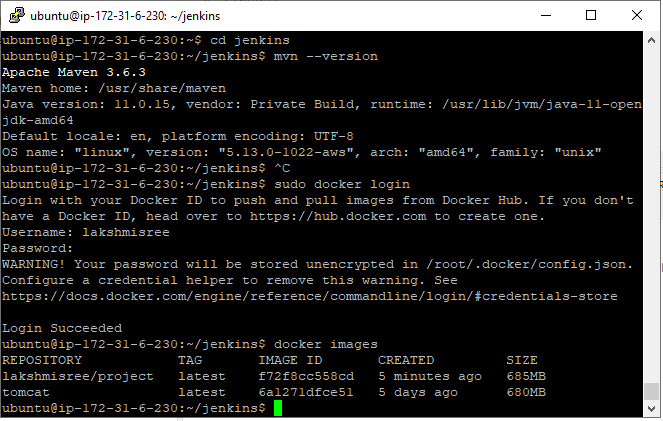


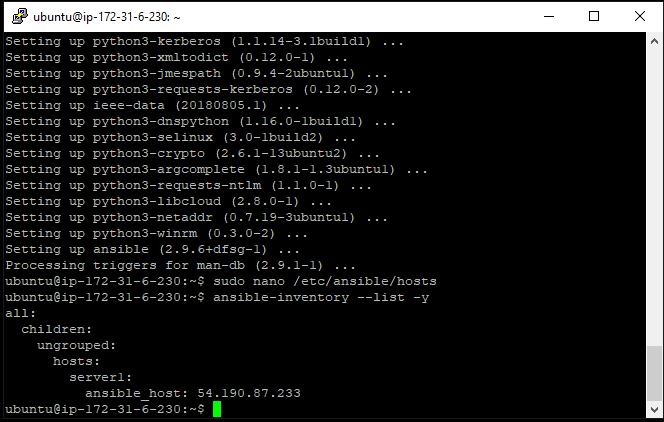


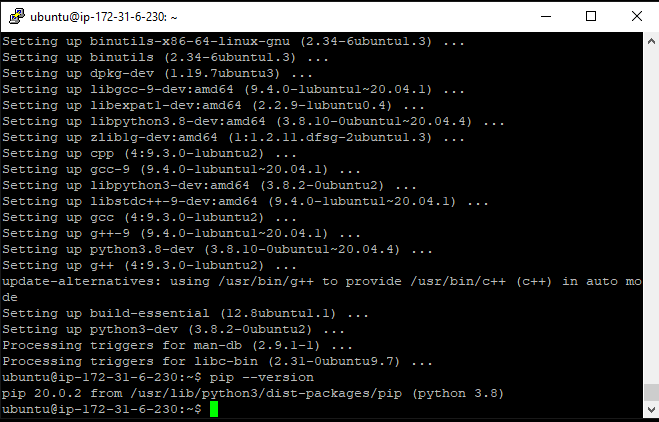


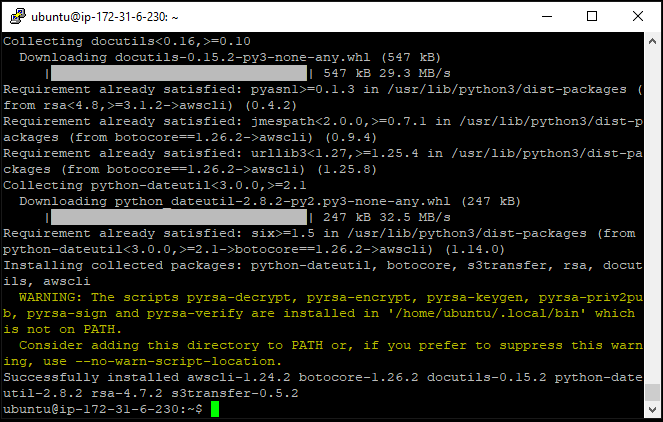
**Part 2- Phase 5**

In jenkins server configure Ansible manually:



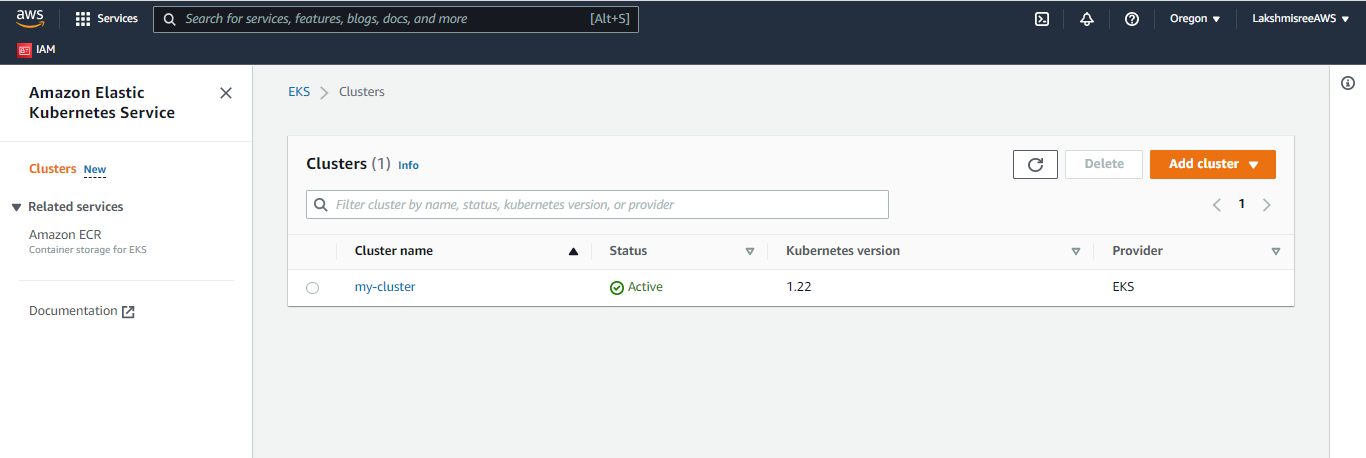


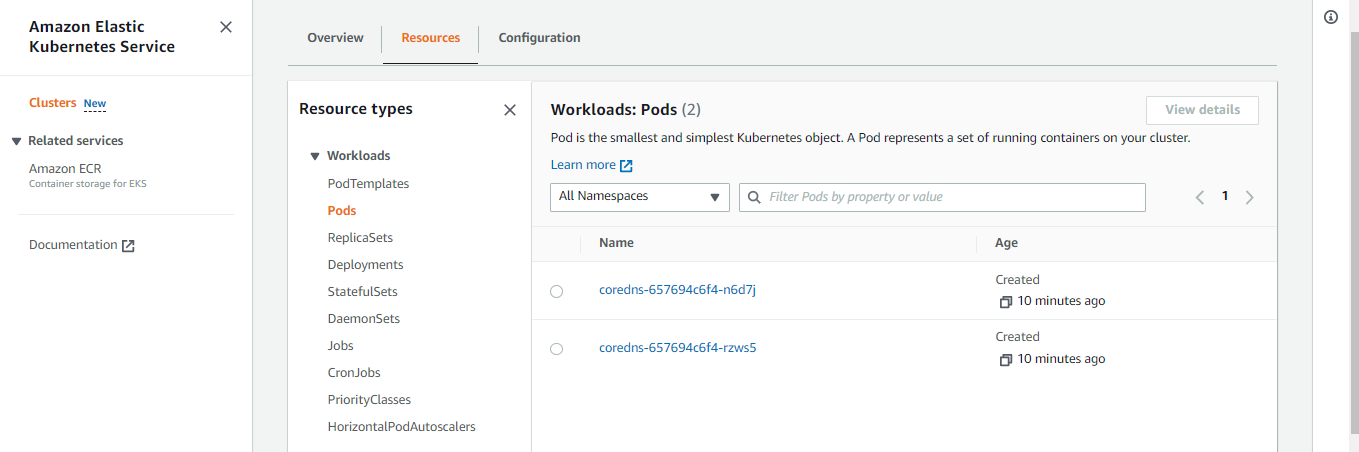


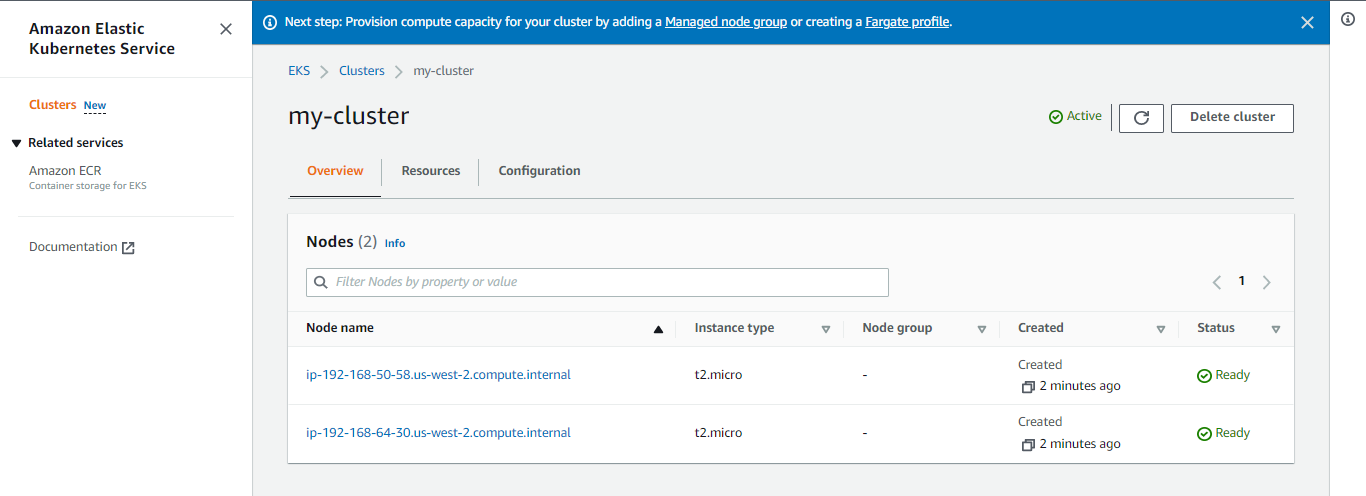


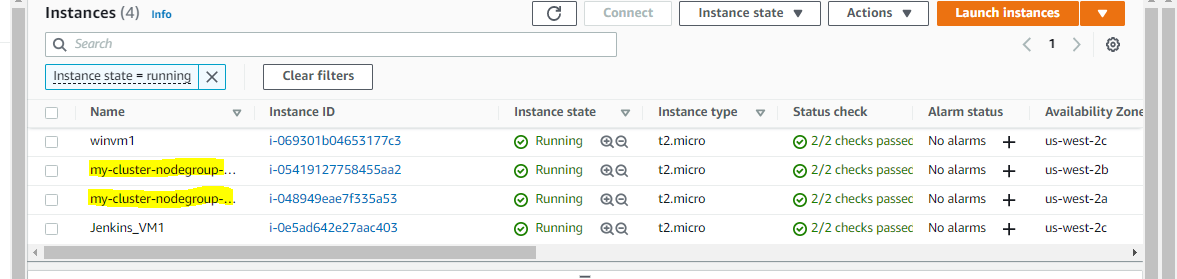
**Part 2- Phase 7**

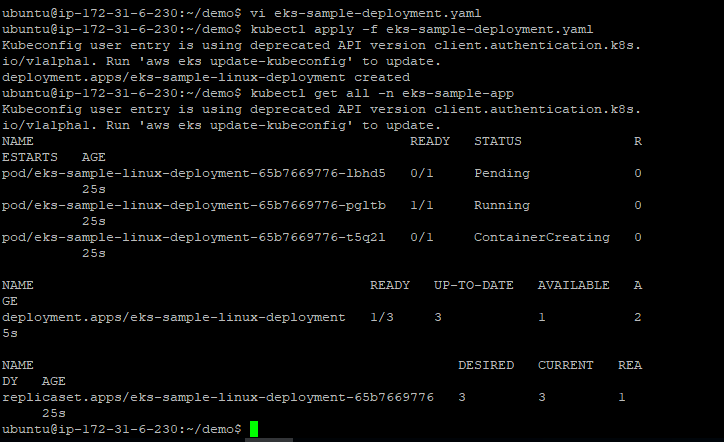
Creating EKS cluster via yaml file

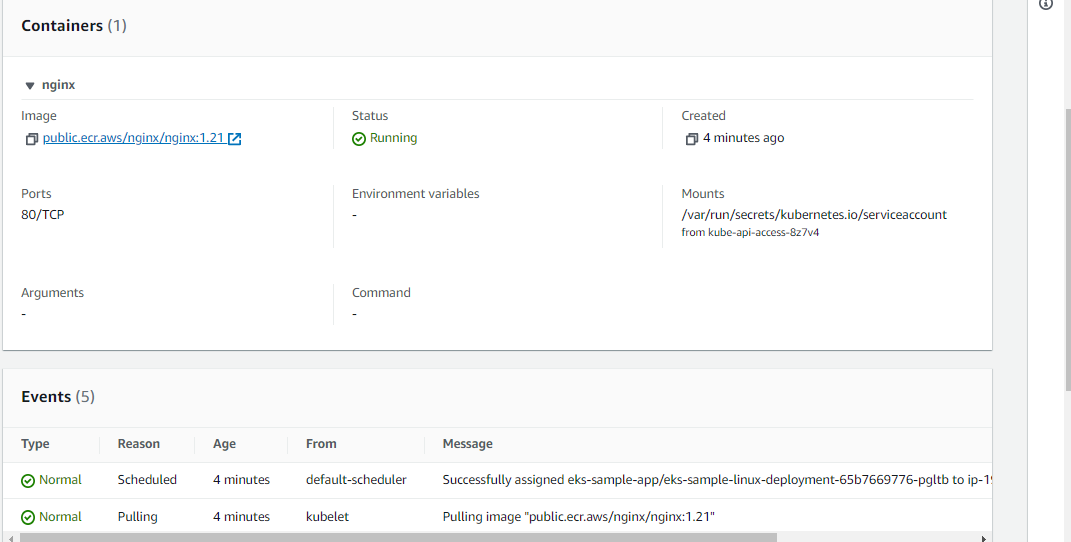


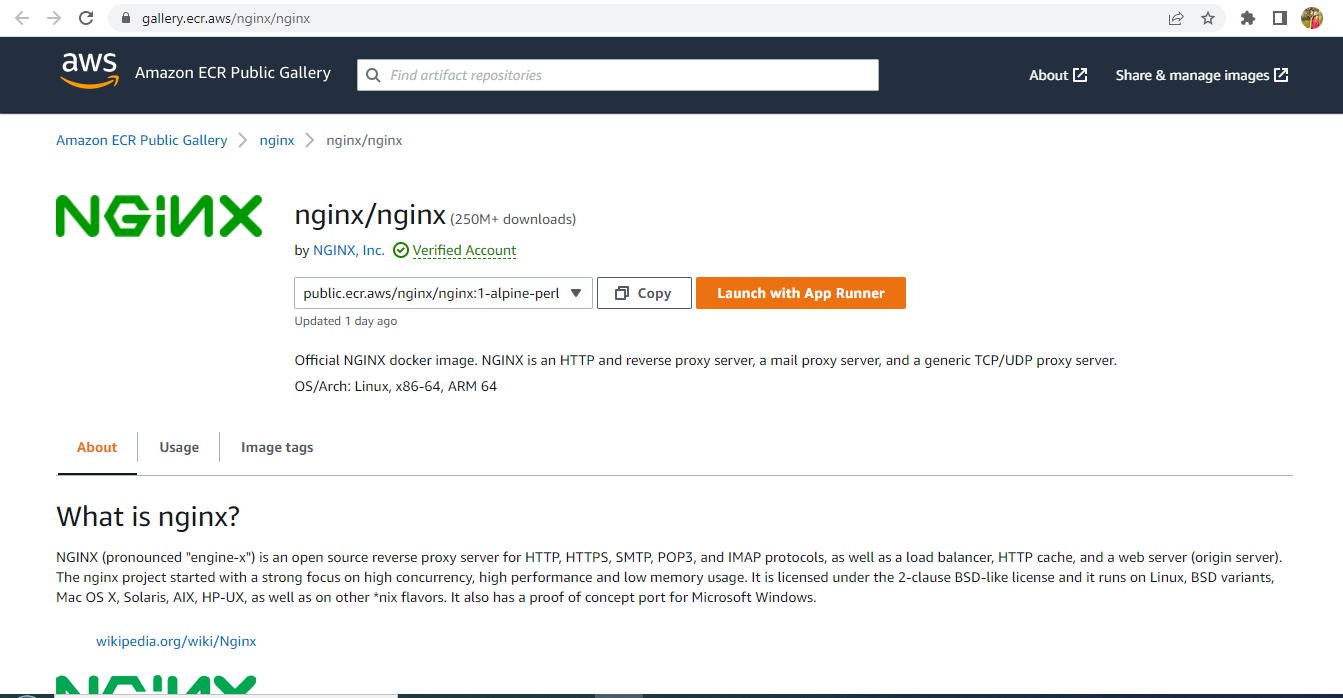












**Part 2- Phase 8**

Create release pipeline in AWS codePipeline :

