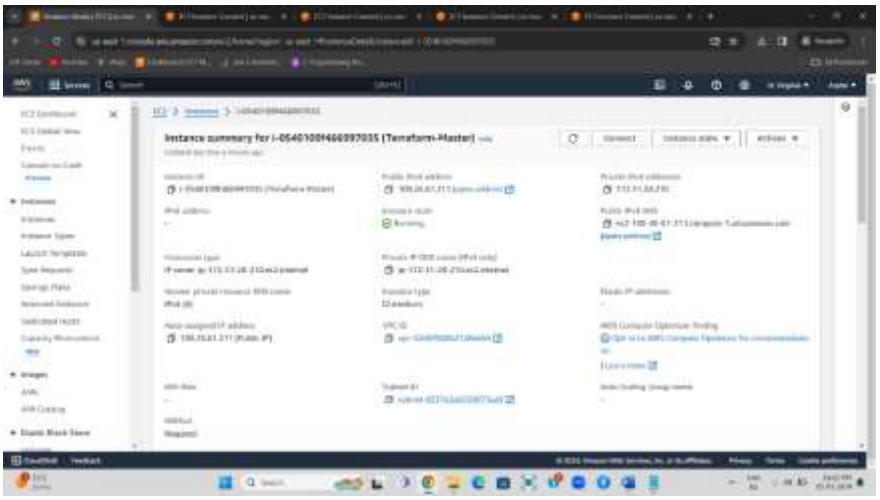
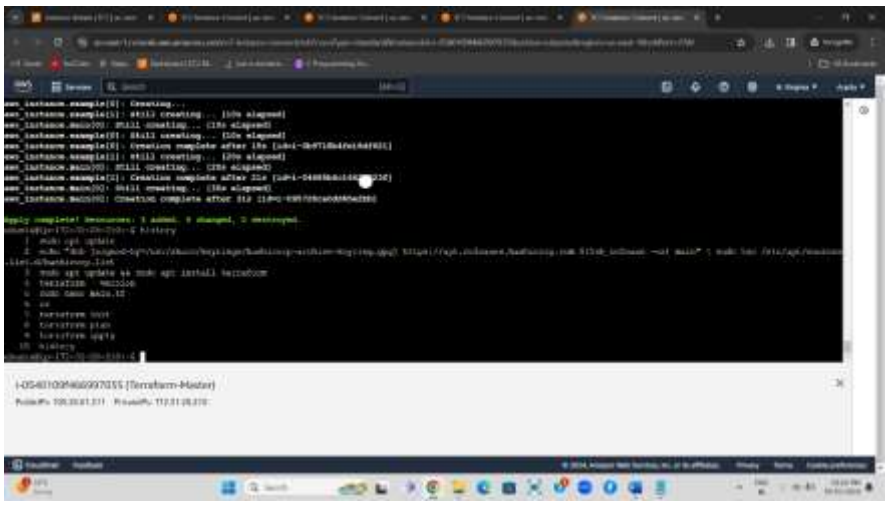
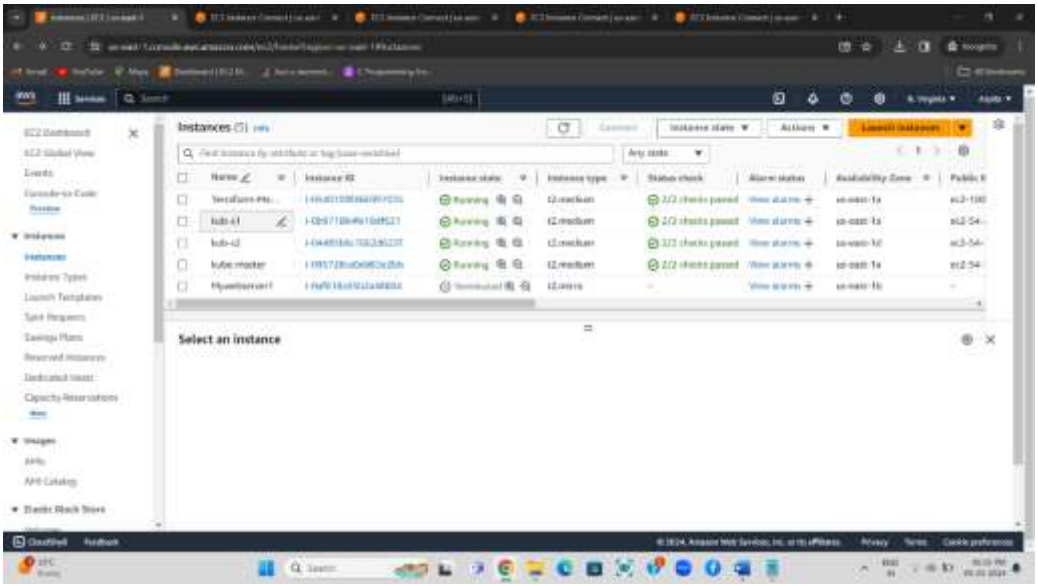
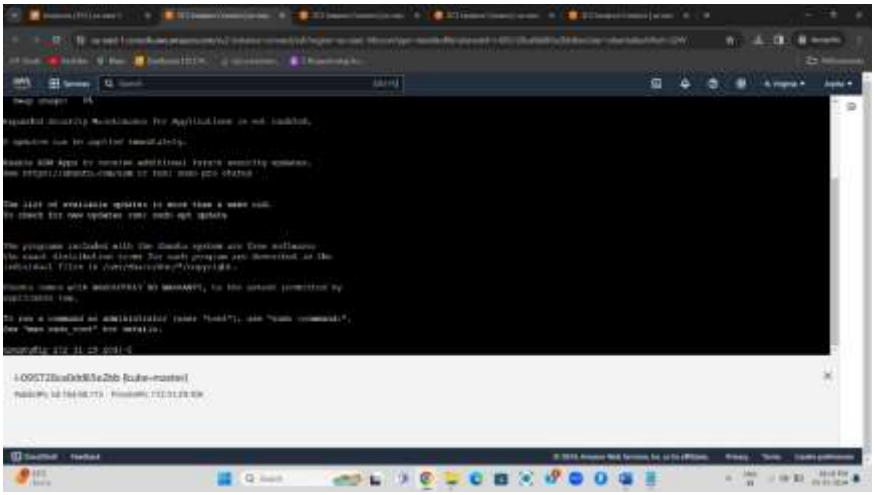
Capstone project – 2

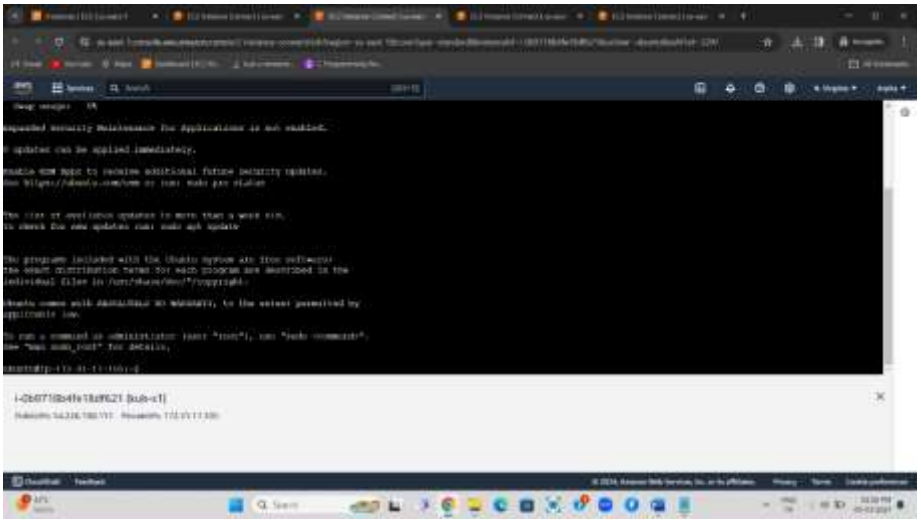


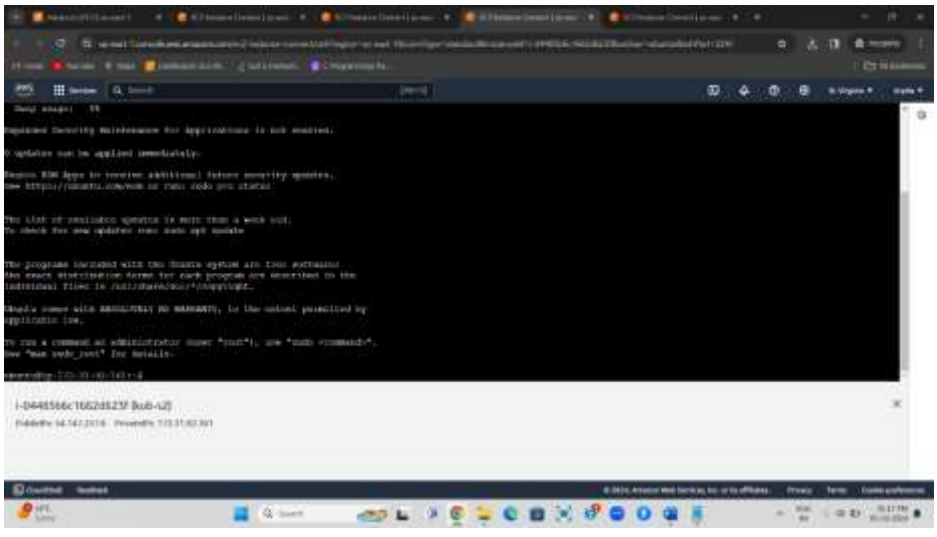


Step 1: Using Terraform accomplish the task of infrastructure creation in the AWS cloud provider.

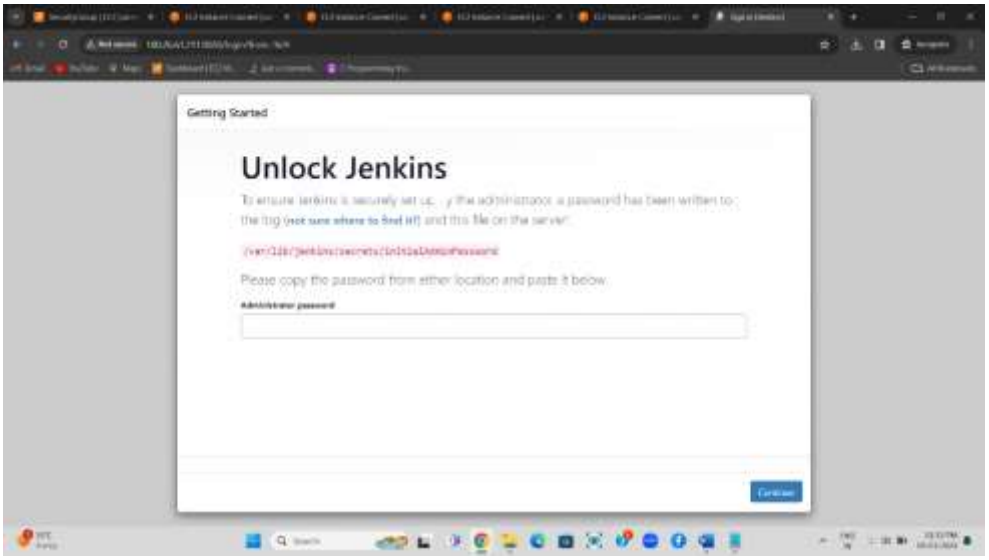


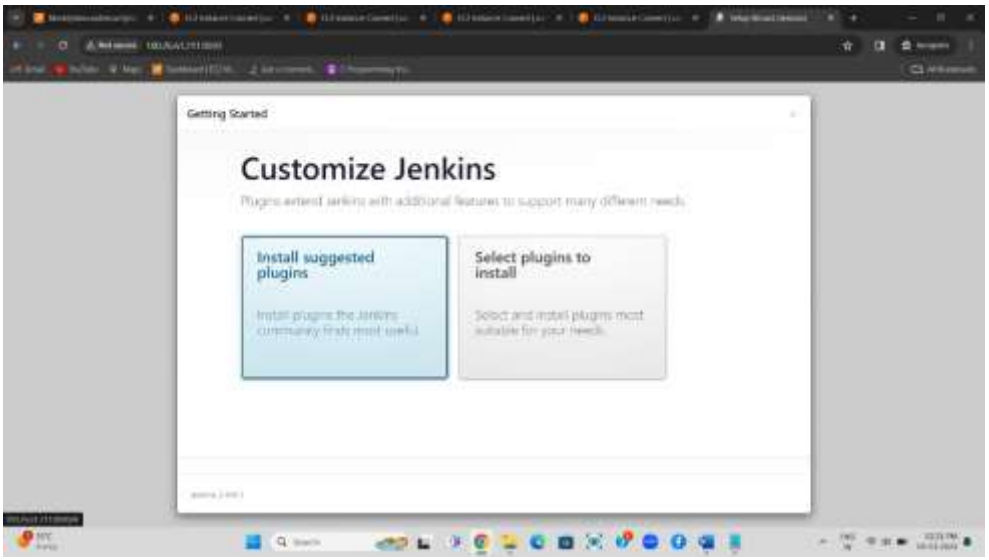


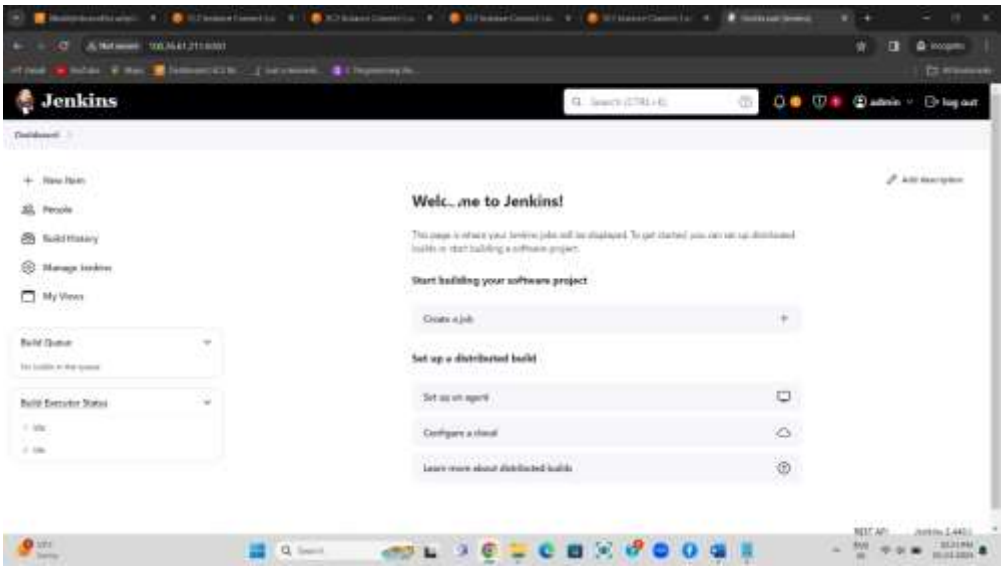




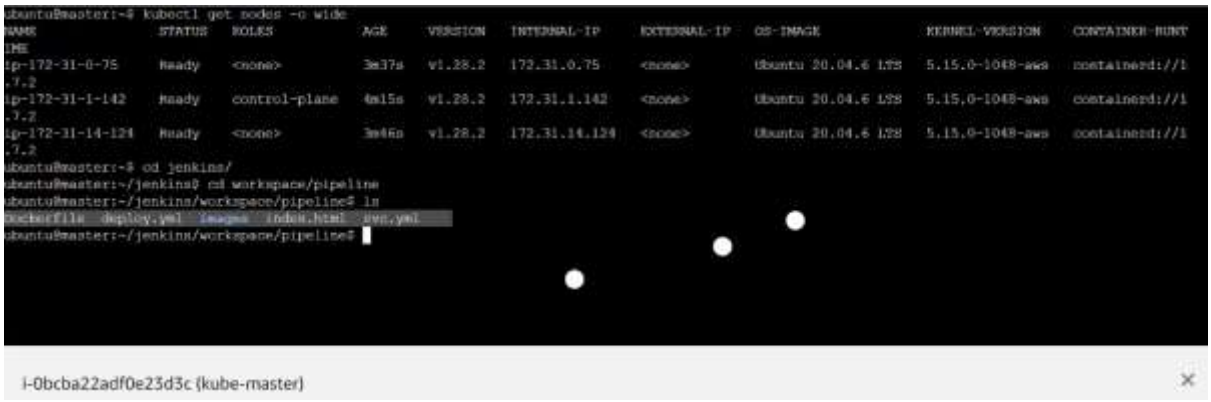
Step 2: Architectural Advice Software's to be installed on the respective machines using configuration management. Worker1: Jenkins, Java. Worker2: Docker, Kubernetes. Worker3: Java, Docker, Kubernetes Worker4: Docker, Kubernetes.


Getting Started
Unlock Jenkins
Please copy the password from either location and paste it below.
Administrator password

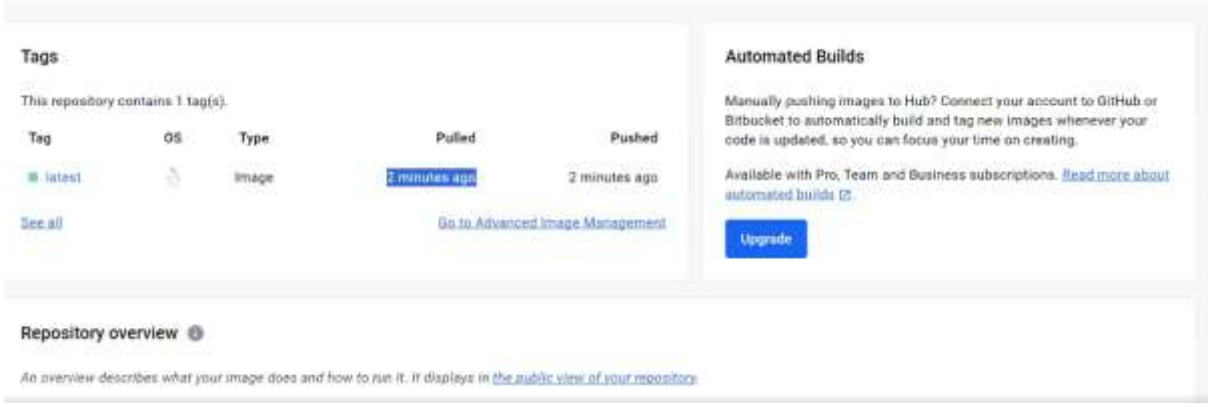

Getting Started
Customize Jenkins
Plugins extend Jenkins with additional features to support many different needs.
Install suggested plugins
Select plugins to install

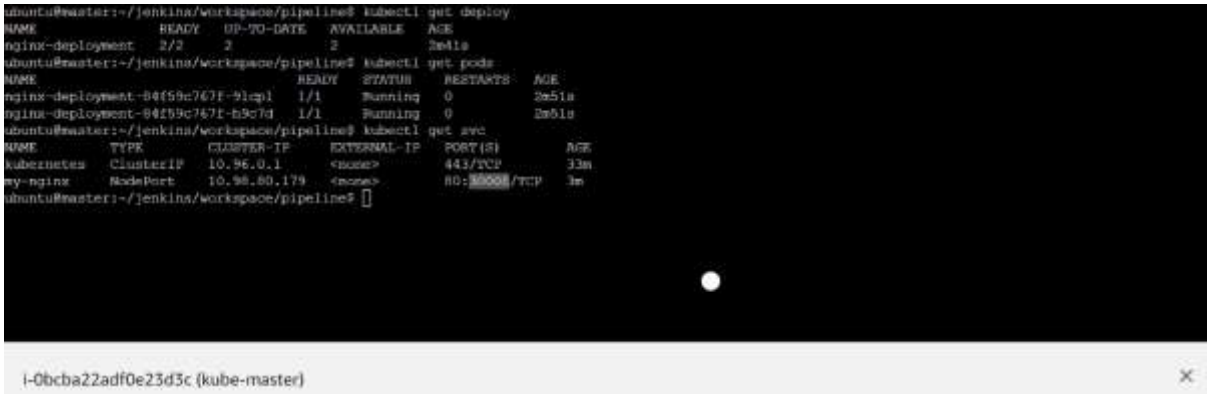

Jenkins
Welc..me to Jenkins!
Start building your software project
Set up a distributed build

Step 3: Create a Jenkins pipeline script to accomplish the above task



Step 4: As per the requirement in the production server, you need to use the Kubernetes cluster and the containerized code from Docker hub should be deployed with 2 replicas





Step 5: Create a NodePort service and configure the same for port 30008.

Step 6 : Code build should be triggered once the commits are made in the master Branch.

Completed Case Study

Project 2 Completed

GitHub