1. FINAL CAPSTONE-PROJECT

GitHub Link -https://github.com/Vengat003/capstone-project.git

Jenkins console output <https://drive.google.com/file/d/1R7WbNx4C_HAZ4U6Q8gcWnHZJE9rGMavK/view?usp=sharing>

Docker images name – capstone-image

Create The First Instances For Capstone-Project

A screenshot of a computer

Description automatically generated

Security Group For Instance 1

A screenshot of a computer

Description automatically generated

Launch The First Instances Using Mobaxterm

A screenshot of a computer program

Description automatically generated

Creating A Shell File To Install The Necessary Packages

A screenshot of a computer

Description automatically generated

To Change The Permission For Executing The Service.sh file

A screen shot of a computer

Description automatically generated

Docker Status

A screenshot of a computer program

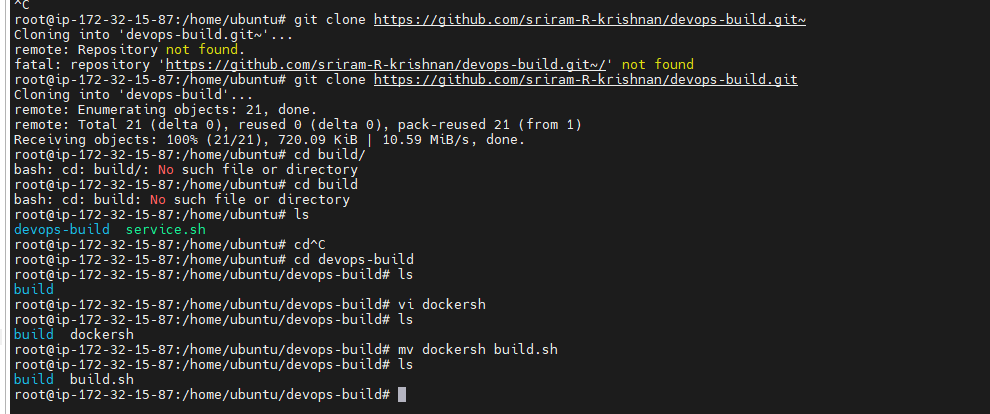
Description automatically generated

To Check The status For Java And Jenkins

A computer screen shot of a computer screen

Description automatically generated

To Clone Git Repo With Your Local Machine



Docker File Was Created

A screenshot of a computer

Description automatically generated

Build The Docker Image

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Checking Whether The Image is Created

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Description automatically generated

Docker Compose File Created For The Capstone-Image

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Docker Composer InstallA screen shot of a computer program

Description automatically generated

Docker File Output From Instance 1

A screenshot of a computer

Description automatically generated

Push the Code To Github To Dev Branch

A screen shot of a computer

Description automatically generatedA screenshot of a computer program

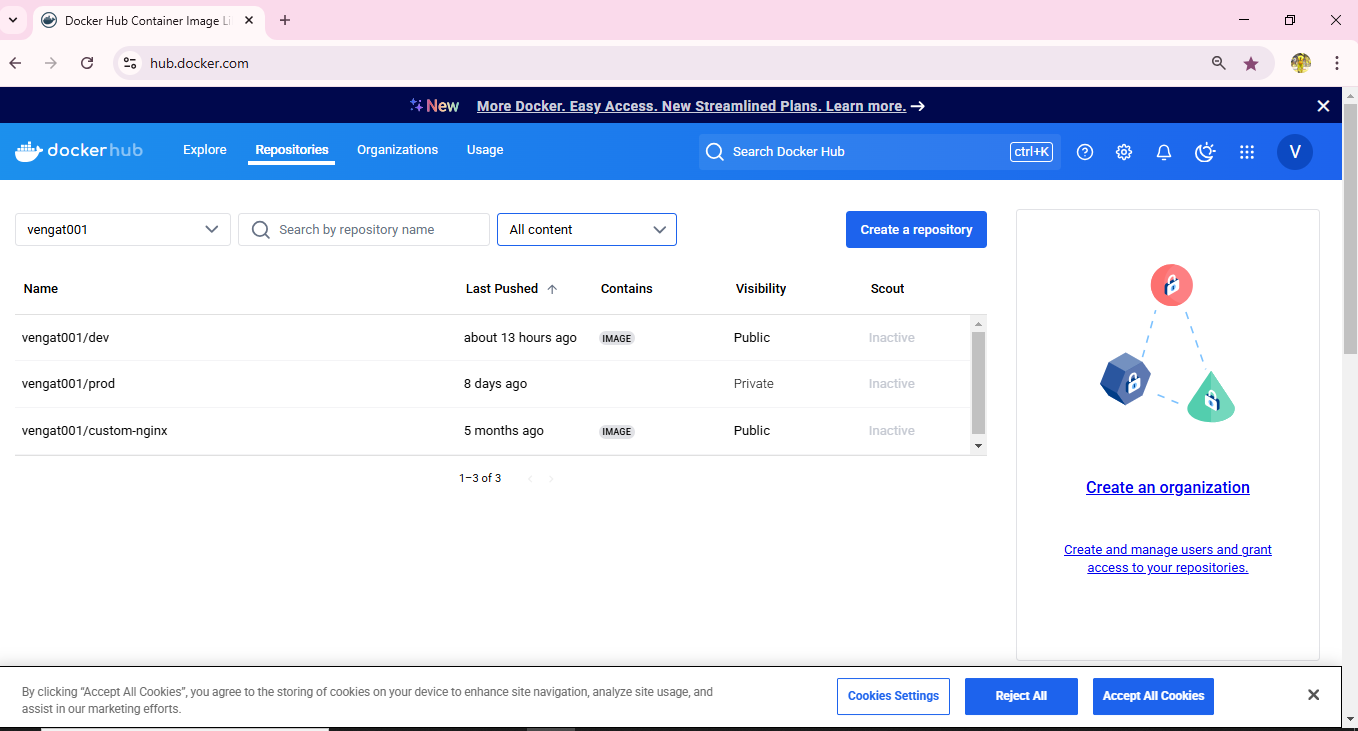
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After All Codes Pushing To Github To Dev Branch

A screenshot of a computer

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Create Two Repos Dev (Public)And Prod(Private) For Pushing Images



Login To Jenkins

A screenshot of a computer

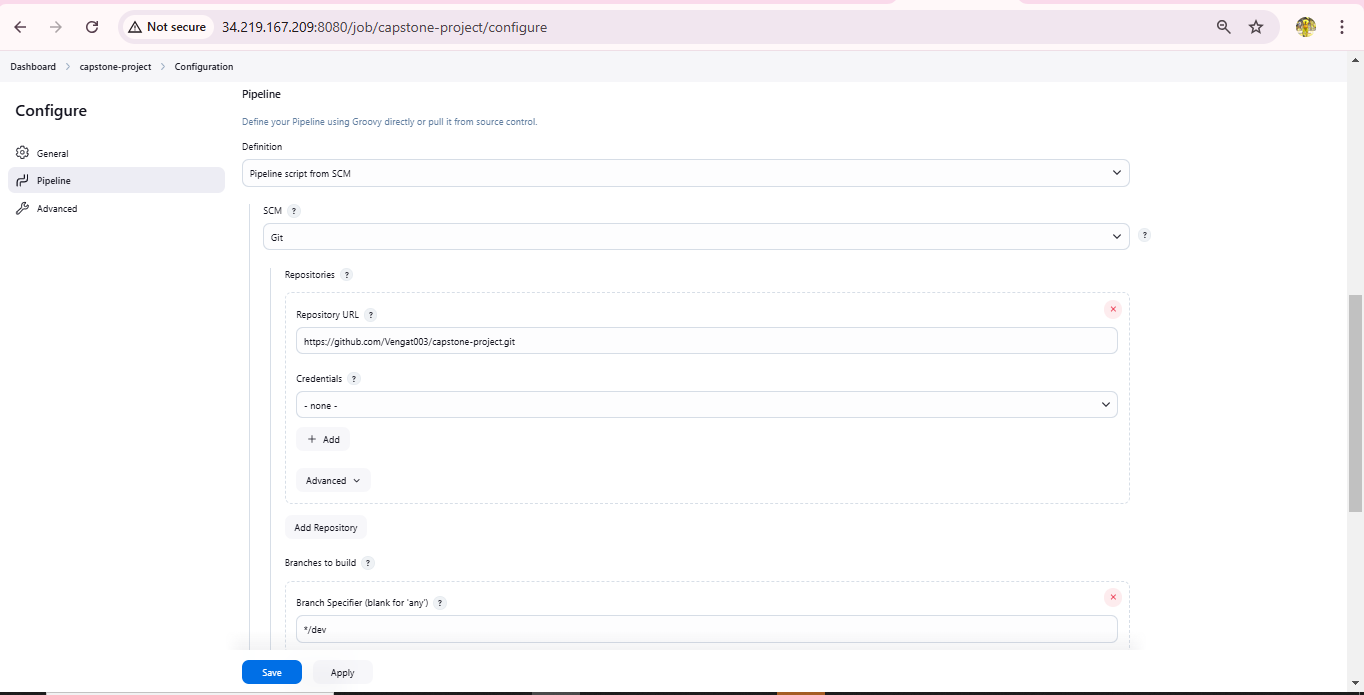
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Create New Pipeline For Capstone-project

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Connect Jenkins To The Github Repo With Auto Build Trigger From Both Dev & Main Branch



Jenkins Variables Config

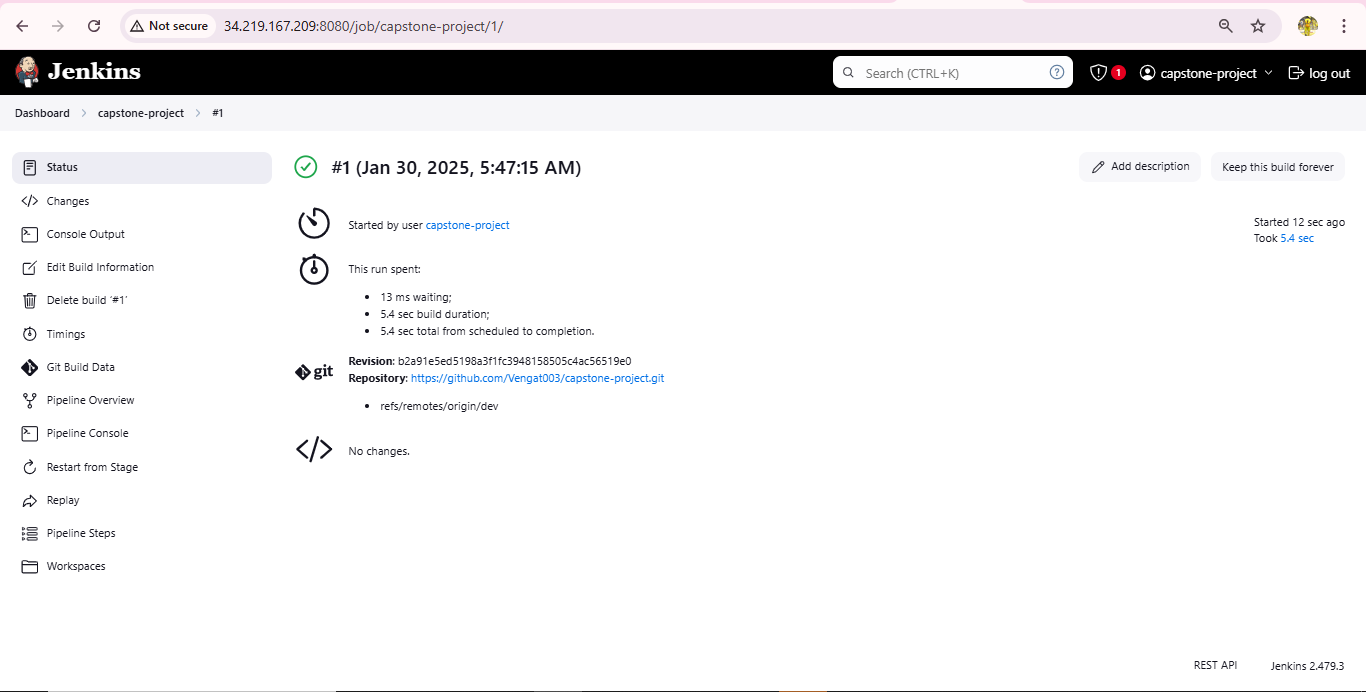
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Capstone-Project Build Run Success In Jenkins

A screenshot of a computer

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Pushed Code To Dockerhub To dev repo With Tag

A screenshot of a computer

Description automatically generated

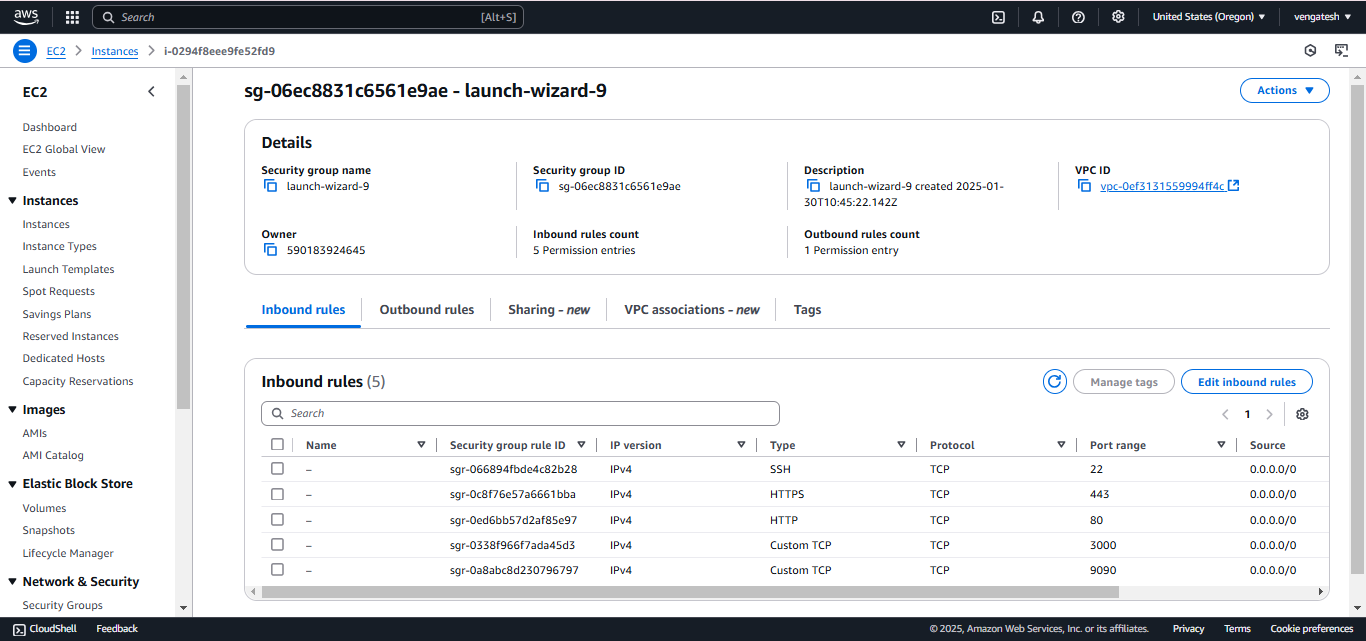
Create Instance 2 For Capstone-Project A screenshot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

Security Group For Instance 2



Install Docker In Instance 2A screenshot of a computer screen

Description automatically generated

Enabled And Start And Check The Status For Docker

A computer screen shot of a program

Description automatically generated

Docker Login In Instance 2

A computer screen with text

Description automatically generated with medium confidence

Pull The Docker Image To Instance 2

A computer screen with white text

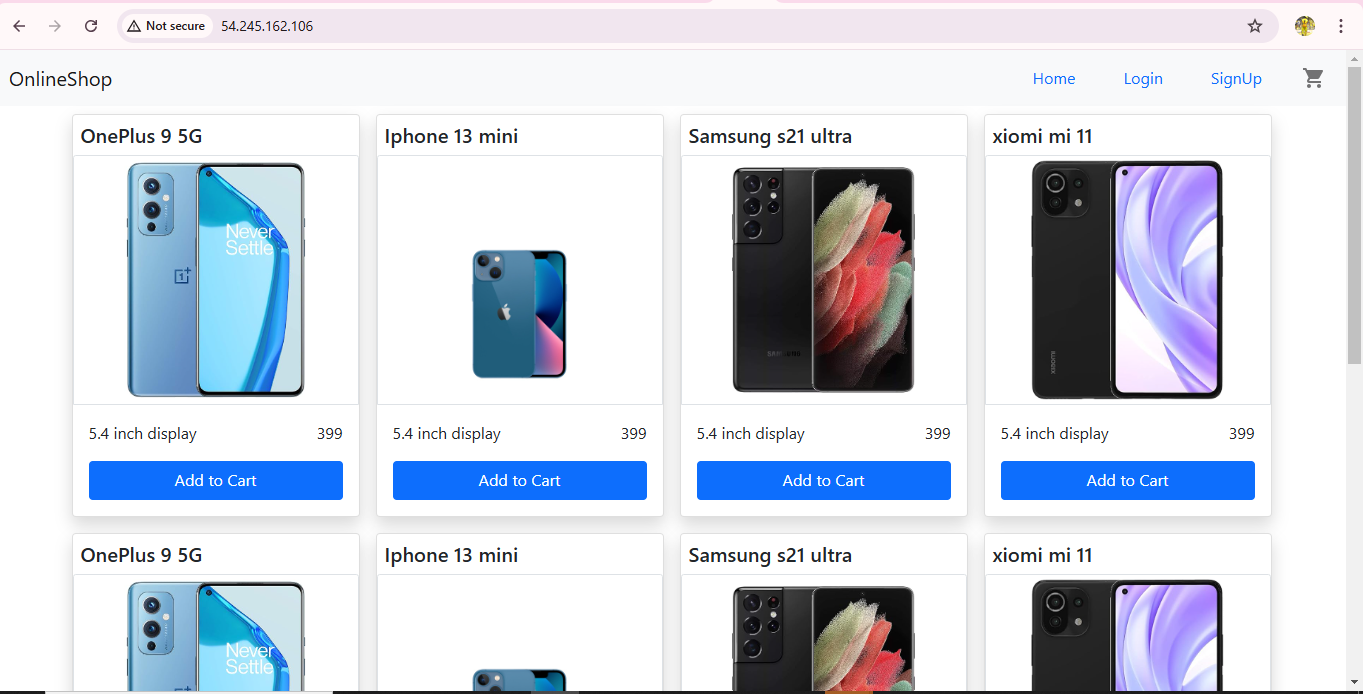
Description automatically generated

Run The Docker Image in Instances 2

A computer screen shot of a black screen

Description automatically generated

Docker Image Output In Instances 2



Install Prometheus and grafana For Monitoring

Vi Prometheus.sh

A computer screen shot of a program code

Description automatically generated

Install Prometheus In Instance 2

A screen shot of a computer

Description automatically generated

Prometheus Version

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Description automatically generated

Prometheus Dashboard

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Description automatically generated

Vi Grafana.sh

A screenshot of a computer

Description automatically generated

Install Grafana In Instances 2

A computer screen shot of a black screen

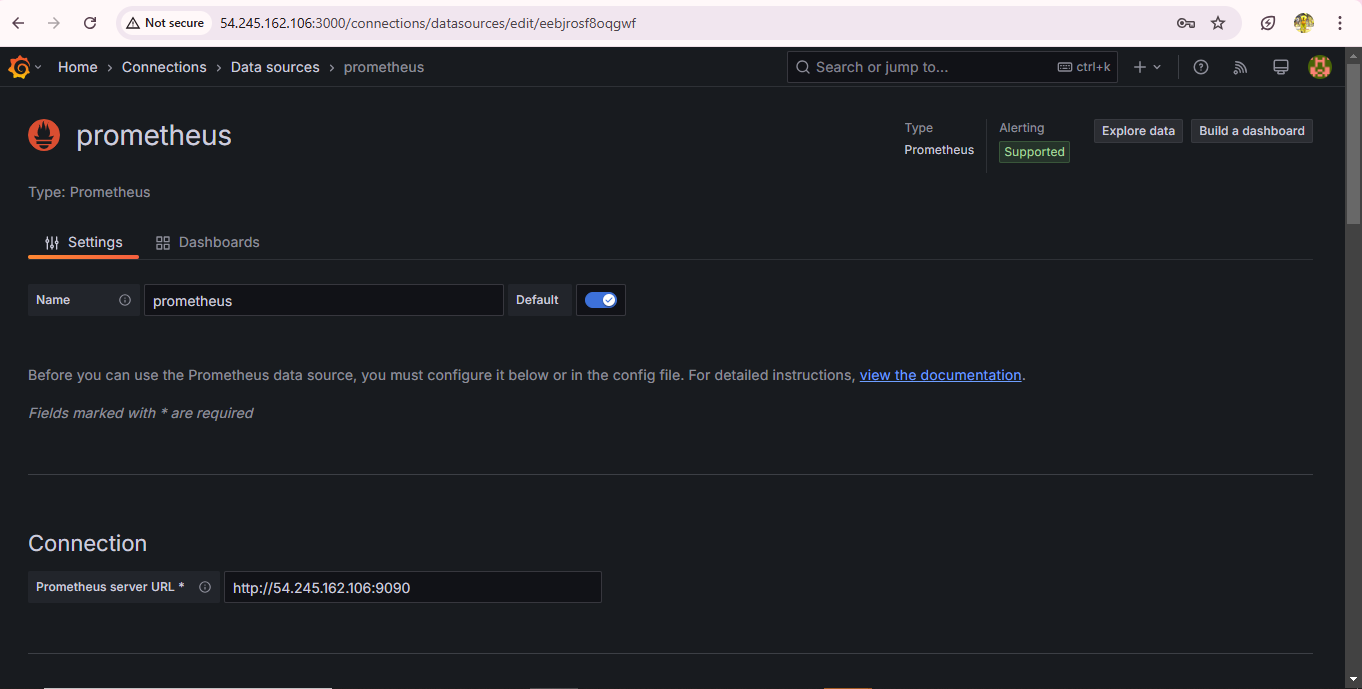
Description automatically generated

Grafana Dashboard

A screenshot of a computer

Description automatically generated

Prometheus Is Data Source For Grafana



Grafana Saved Dashboard

A screenshot of a computer

Description automatically generated

Final Output For Capstone-Project

A screenshot of a computer

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