

CAPSTONE PROJECT

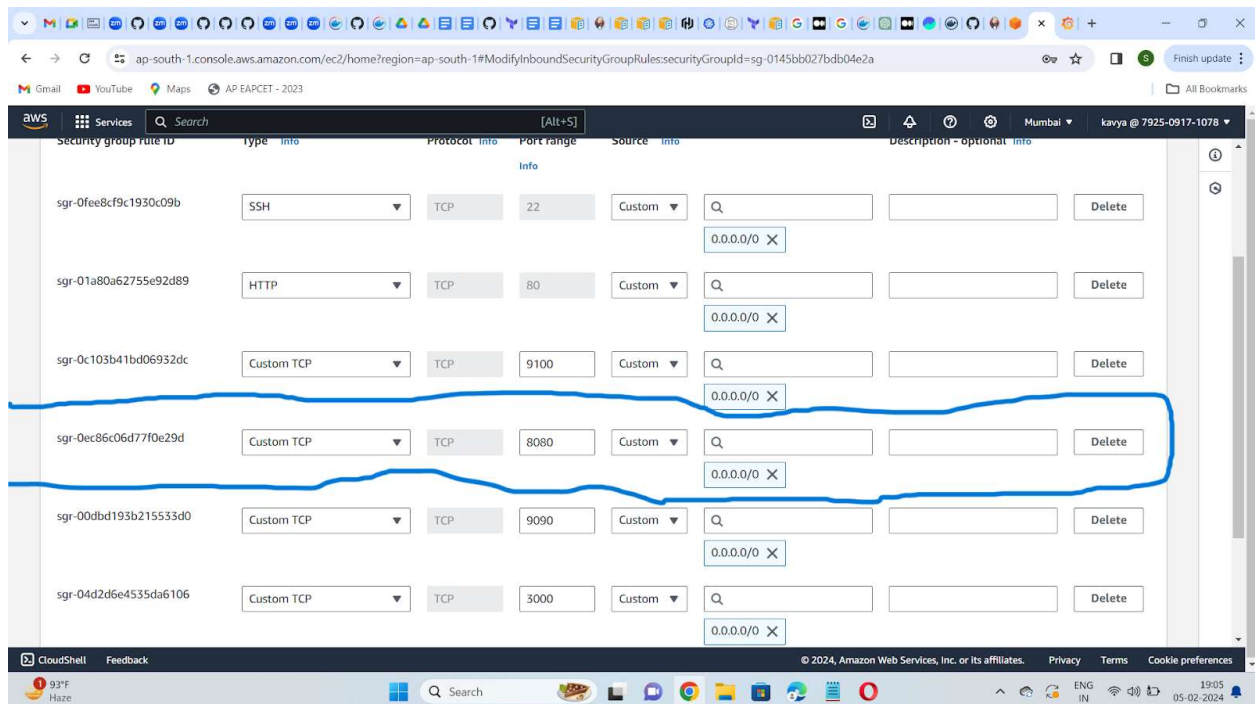
Jenkins screenshots

Jenkins execute commands

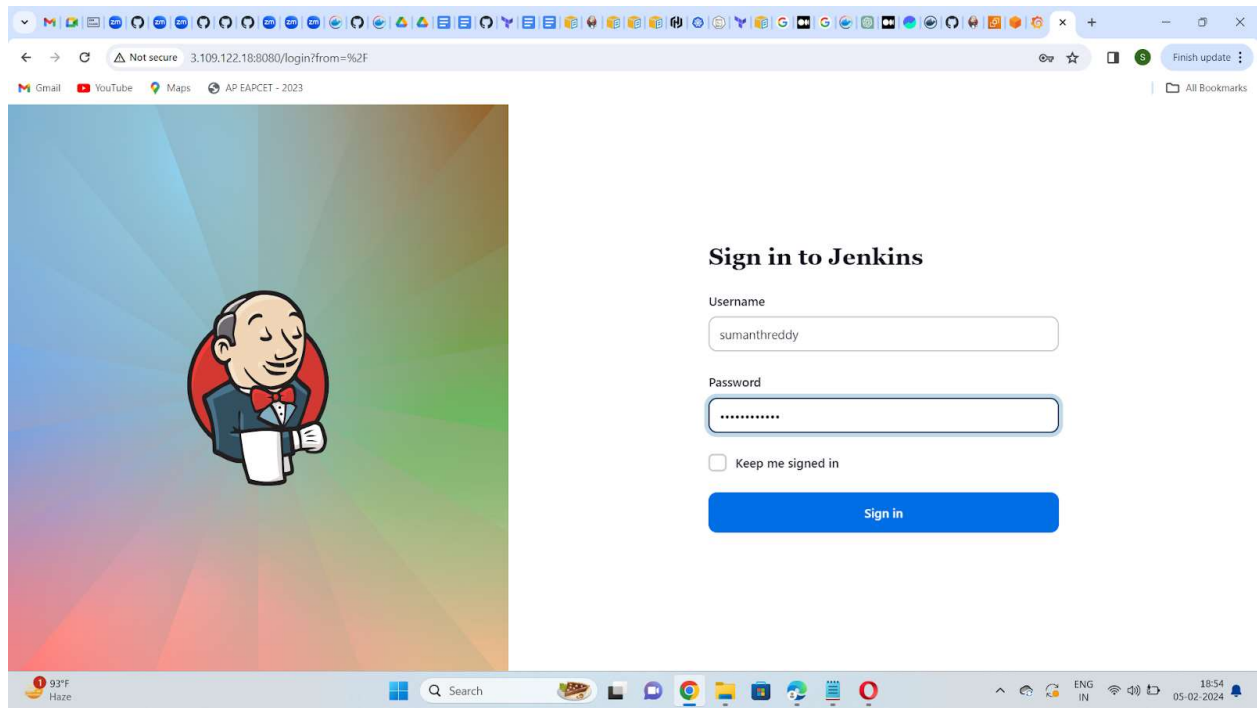
----->Sudo apt install openjdk-11-jdk

----->sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt-get update
sudo apt-get install jenkins

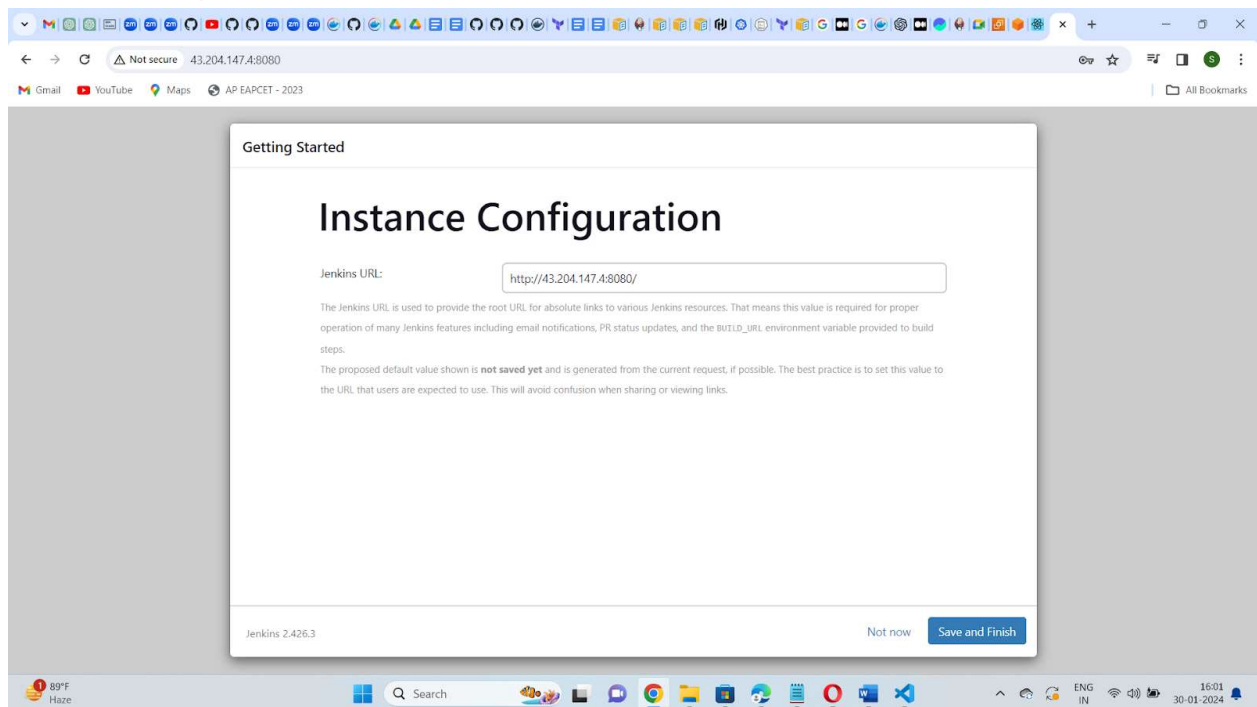
To open jenkins page we use the port-8080



Jenkins login page screenshot



Jenkins configuration screenshots



Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

Username with password

Scope ?
Global (Jenkins, nodes, items, all child items, etc)

Username ?
sumanthreddy55555

☐ Treat username as secret ?

Password ?
.....

ID ?
dockerhub

Description ?
dockerhub

Create

Dashboard > Manage Jenkins > System >

☒ Environment variables

List of variables ?

Name
DOCKER_BREACTJS_IMAGE

Value
sumanthreddy55555/reactjsimagecapstone

Name
DOCKER_REGISTRY_CREDS

Value
dockerhub


Save Apply

Dashboard > capstone > Configuration

Configure

- General
- Advanced Project Options
- Pipeline

General

Enabled 

Description

capstone project

Plain text [Preview](#)

☐ Discard old builds ?

☐ Do not allow concurrent builds

☐ Do not allow the pipeline to resume if the controller restarts

☒ GitHub project

Project url ?

https://github.com/sumanthreddy55555/capstone-reactjs-appli.git

[Save](#) [Apply](#)

Dashboard > capstone > Configuration

Configure

- General
- Advanced Project Options
- Pipeline

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/sumanthreddy55555/capstone-reactjs-appli.git

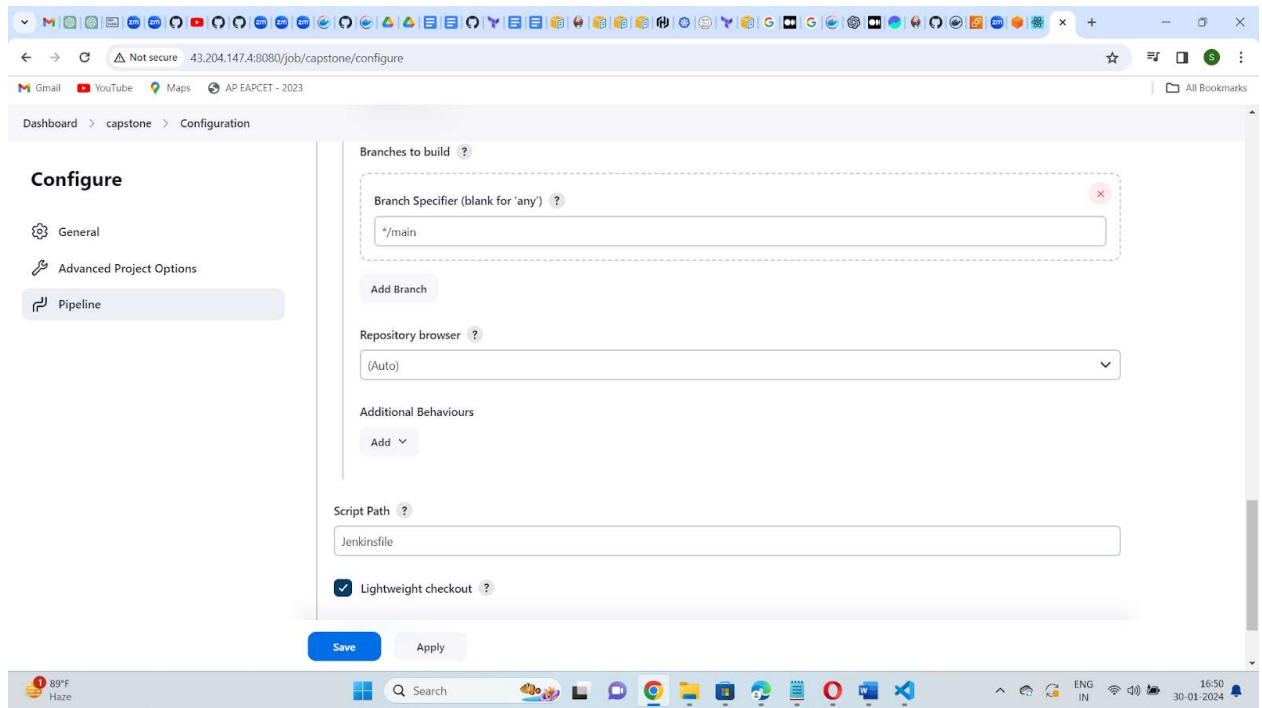
Credentials ?

- none -

[+ Add](#)

[Advanced](#)

[Save](#) [Apply](#)



Jenkins output screenshots

The top screenshot shows the Jenkins Dashboard. The left sidebar contains links to New Item, People, Build History, Project Relationship, Check File Fingerprint, Manage Jenkins, and My Views. The main area displays a table of builds for the 'capstone' job. The table has columns for Status, W, Name, Last Success, Last Failure, and Last Duration. The 'capstone' build is shown with a green status icon, a sun icon, and a duration of 35 sec. Below the table, there are links for Icon, S, M, L, Icon legend, Atom feed for all, Atom feed for failures, and Atom feed for just latest builds.

S	W	Name	Last Success	Last Failure	Last Duration
✓	☀	capstone	3 days 6 hr #13	6 days 1 hr #5	35 sec

The bottom screenshot shows the Jenkins Console Output for build #13. The left sidebar contains links to Status, Changes, Console Output, View as plain text, Edit Build Information, Delete build '#13', Git Build Data, Restart from Stage, Replay, Pipeline Steps, Workspaces, and Previous Build. The main area displays the console output, which includes the following text:

```
Started by user bared dysumanthreddy
Obtained Jenkinsfile from git https://github.com/sumanthreddy55555/capstone-reactjs-appli.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/capstone
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/capstone/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/sumanthreddy55555/capstone-reactjs-appli.git # timeout=10
Fetching upstream changes from https://github.com/sumanthreddy55555/capstone-reactjs-appli.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/sumanthreddy55555/capstone-reactjs-appli.git +refs/heads/*:refs/remotes/origin/* #
timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision ca8dbc2c488dc17a5162c8f29881d3970925a92c (refs/remotes/origin/main)
```

Dashboard > capstone > #13

```
ad2ff101ef18: Layer already exists
9a3be9a9f92ce: Layer already exists
de350a697563: Layer already exists
capstoneproject: digest: sha256:44a2ac839cb39272c8ea5d6bcb200cd7190ec3c9d5400b86eac58ee7a46a06 size: 2199
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] sh
+ chmod +x deploy.sh
[Pipeline] sh
+ ./deploy.sh
capstone_reactjs_1 is up-to-date
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

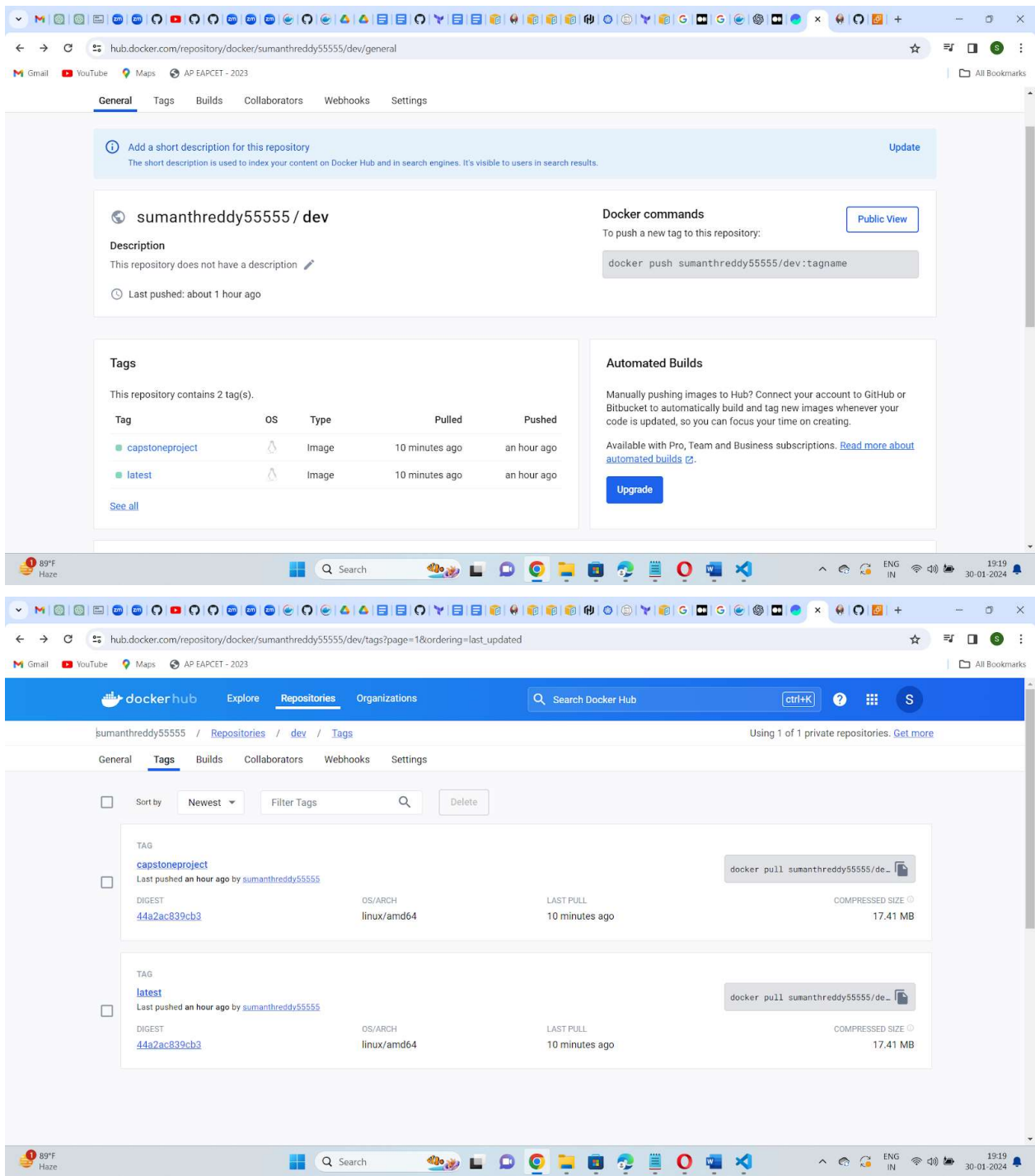
REST API Jenkins 2.426.3

93°F Haze Search ENG IN 18:56 05-02-2024

Docker screenshots

Docker hub image-dev-public

docker pull sumanthreddy55555/dev:capstoneproject



hub.docker.com/layers/sumanthreddy55555/dev/capstoneproject/images/sha256-44a2ac839cb39272c8eaa5d6bcab200cd7190ec3cd5400b86eac58ee7a46a06?context=repo

docker hub Explore Repositories Organizations Search Docker Hub ctrl+K ? S

sumanthreddy55555 / Repositories / dev / capstoneproject

sumanthreddy55555/dev:capstoneproject Delete Tag

DIGEST: sha256:44a2ac839cb39272c8eaa5d6bcab200cd7190ec3cd5400b86eac58ee7a46a06

OS/ARCH linux/amd64 COMPRESSED SIZE 17.41 MB LAST PUSHED an hour ago by sumanthreddy55555 TYPE Image

Image Layers Vulnerabilities

IMAGE LAYERS ⓘ

1	ADD file ... in /	3.24 MB
2	CMD ["/bin/sh"]	0 B
3	LABEL maintainer=NGINX Docker Maintainers <docker-m...	0 B
4	ENV NGINX_VERSION=1.25.3	0 B
5	ENV PKG_RELEASE=1	0 B

Command

```
ADD file:8729f9c0298836b648e9e789c7ab029cf4547e0956557d54dd4a4d7d8e4a785f in /
```

89°F Haze Search ENG IN 19:18 30-01-2024

Docker hub image- prod-private

docker pull sumanthreddy55555/prod:capstoneproject

hub.docker.com/repository/docker/sumanthreddy55555/prod/general

docker hub Explore Repositories Organizations Search Docker Hub ctrl+K ? S

sumanthreddy55555 / Repositories / prod / General Using 1 of 1 private repositories. Get more

General Tags Builds Collaborators Webhooks Settings

sumanthreddy55555 / prod

Description

This repository does not have a description

Last pushed: about 1 hour ago

Docker commands

To push a new tag to this repository:

```
docker push sumanthreddy55555/prod:tagname
```

Tags

This repository contains 2 tag(s).

Tag	OS	Type	Pulled	Pushed
capstoneproject	linux/amd64	Image	---	an hour ago
latest	linux/amd64	Image	---	an hour ago

See all

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. Read more about automated builds.

Upgrade

89°F Haze Search ENG IN 19:19 30-01-2024

hub.docker.com/repository/docker/sumanthreddy55555/prod/tags?page=1&ordering=last_updated

docker hub Explore Repositories Organizations Search Docker Hub

sumanthreddy55555 / Repositories / prod / Tags

Using 1 of 1 private repositories. [Get more](#)

General Tags Builds Collaborators Webhooks Settings

Sort by Newest Filter Tags Delete

TAG	DIGEST	OS/ARCH	LAST PULL	COMPRESSED SIZE
capstoneproject Last pushed an hour ago by sumanthreddy55555	44a2ac839cb3	linux/amd64	---	17.41 MB
latest Last pushed an hour ago by sumanthreddy55555	44a2ac839cb3	linux/amd64	---	17.41 MB


docker pull sumanthreddy55555/pr_

89°F Haze

hub.docker.com/layers/sumanthreddy55555/prod/capstoneproject/images/sha256-44a2ac839cb39272c8eaa5d6bcab200cd7190ec3cd5400b86eac58ee7a46a06?context=repo

docker hub Explore Repositories Organizations Search Docker Hub

sumanthreddy55555 / Repositories / prod / capstoneproject

 **sumanthreddy55555/prod:capstoneproject** [Delete Tag](#)

DIGEST: sha256:44a2ac839cb39272c8eaa5d6bcab200cd7190ec3cd5400b86eac58ee7a46a06

OS/ARCH	COMPRESSED SIZE	LAST PUSHED	TYPE
linux/amd64	17.41 MB	an hour ago by sumanthreddy55555	Image

[Image Layers](#) [Vulnerabilities](#)

IMAGE LAYERS

1	ADD file ... in /	3.24 MB
2	CMD ["/bin/sh"]	0 B
3	LABEL maintainer=NGINX Docker Maintainers <docker-m...	0 B
4	ENV NGINX_VERSION=1.25.3	0 B
5	ENV PKG_RELEASE=1	0 B

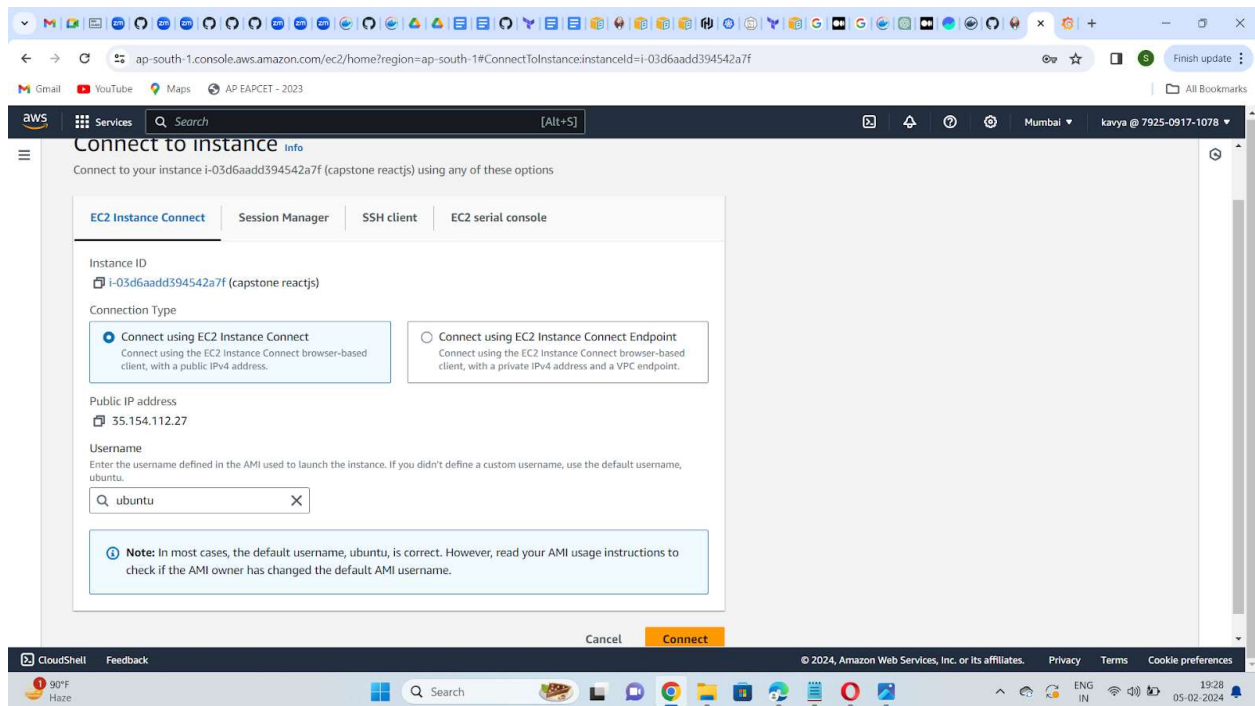
Command

```
ADD file:8729f9c0258836b640e9e789c7ab029cf4547e0596557d54dd4a4d7d8e4a785f in /
```

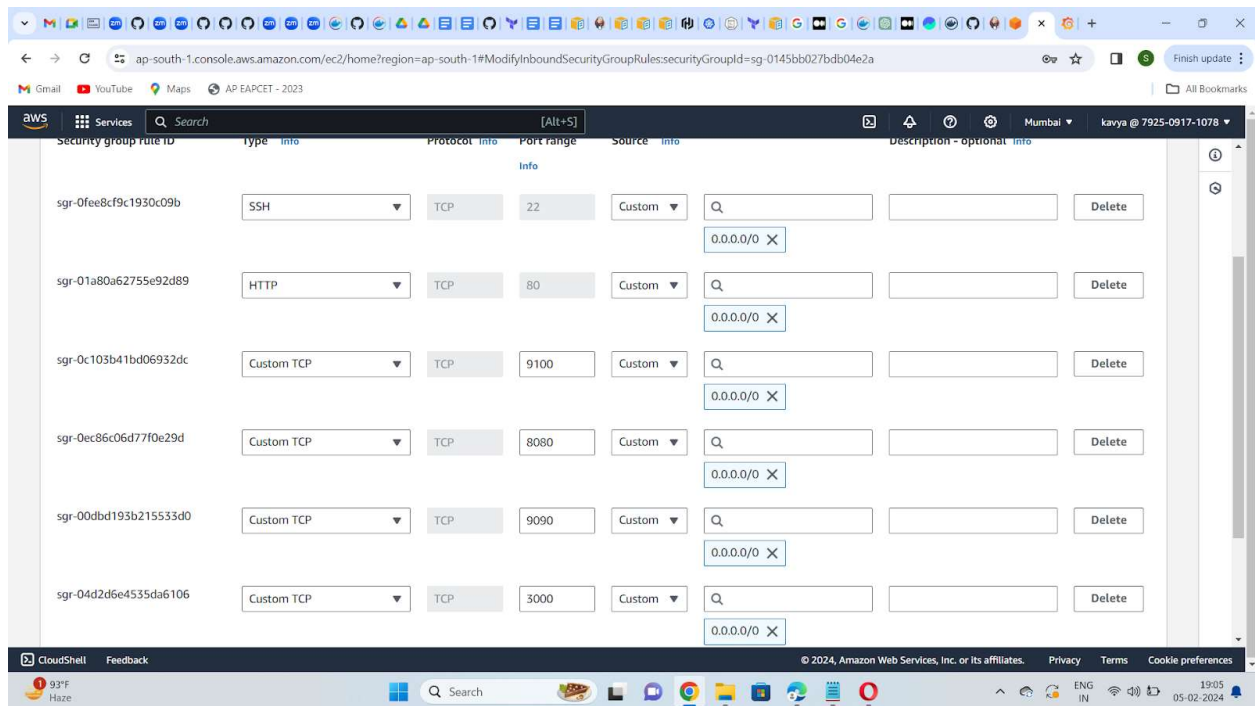
89°F Haze

AWS(EC2 console, SG config)

EC2 console screenshot

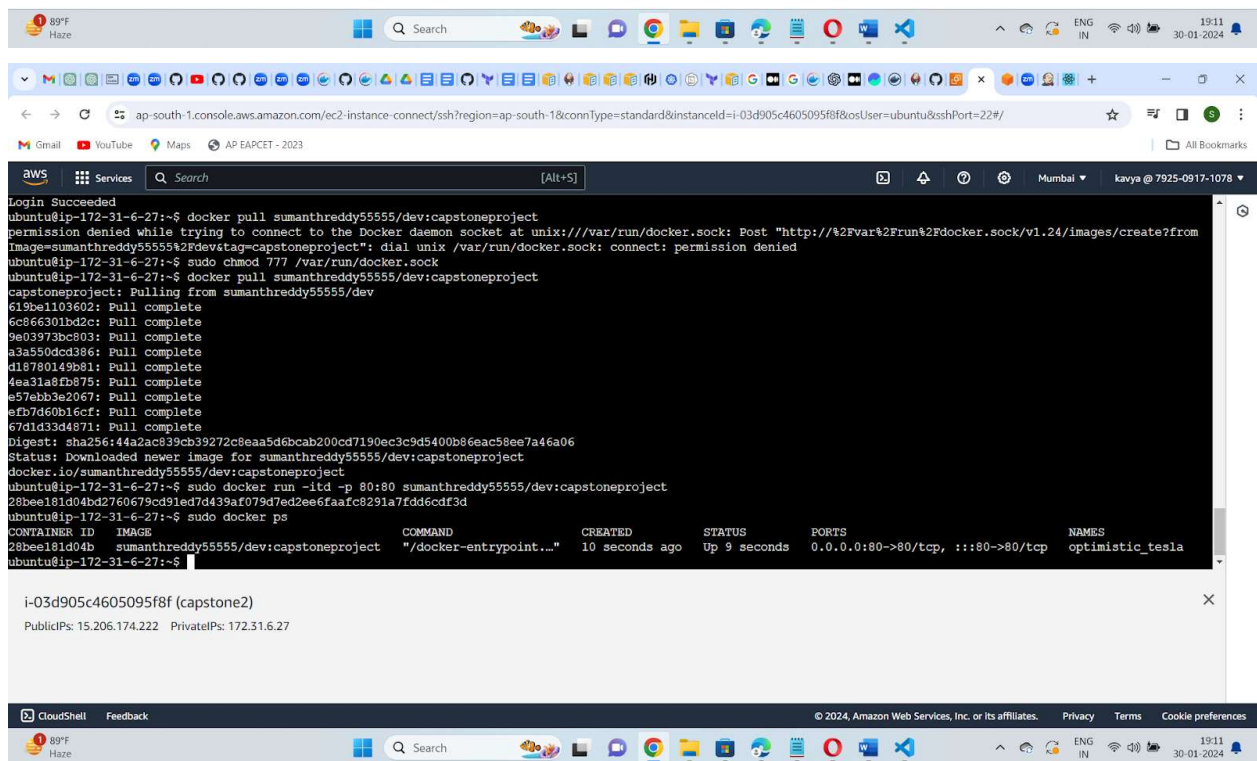
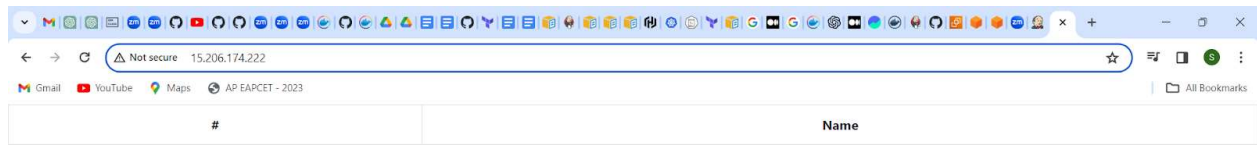


SECURITYGROUP screenshot



DEPLOYED SITE PAGE

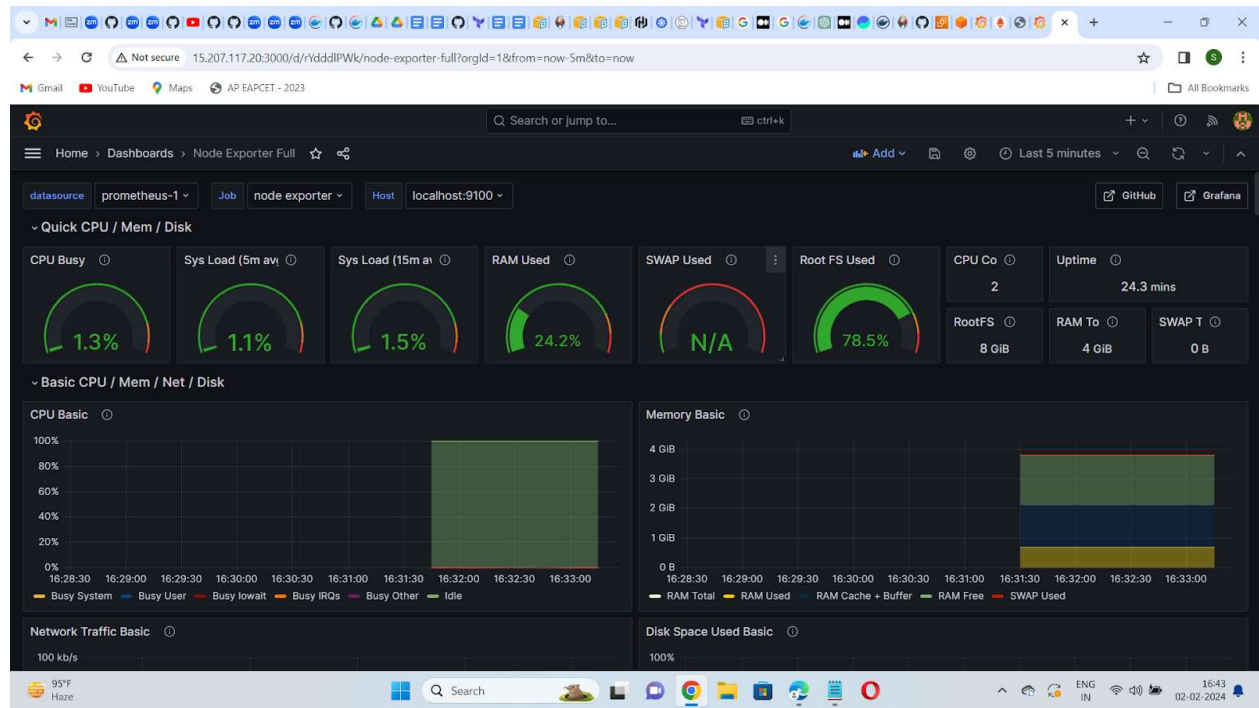
DEPLOYED SITE PAGE USING PORT 80



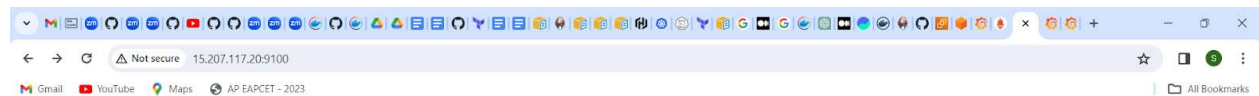
MONITORING SCREENSHOTS PROMETHEUS & GRAFANA

Health status of the ec2 machine using grafana

Grafana port-3000



Node exporter port-9100

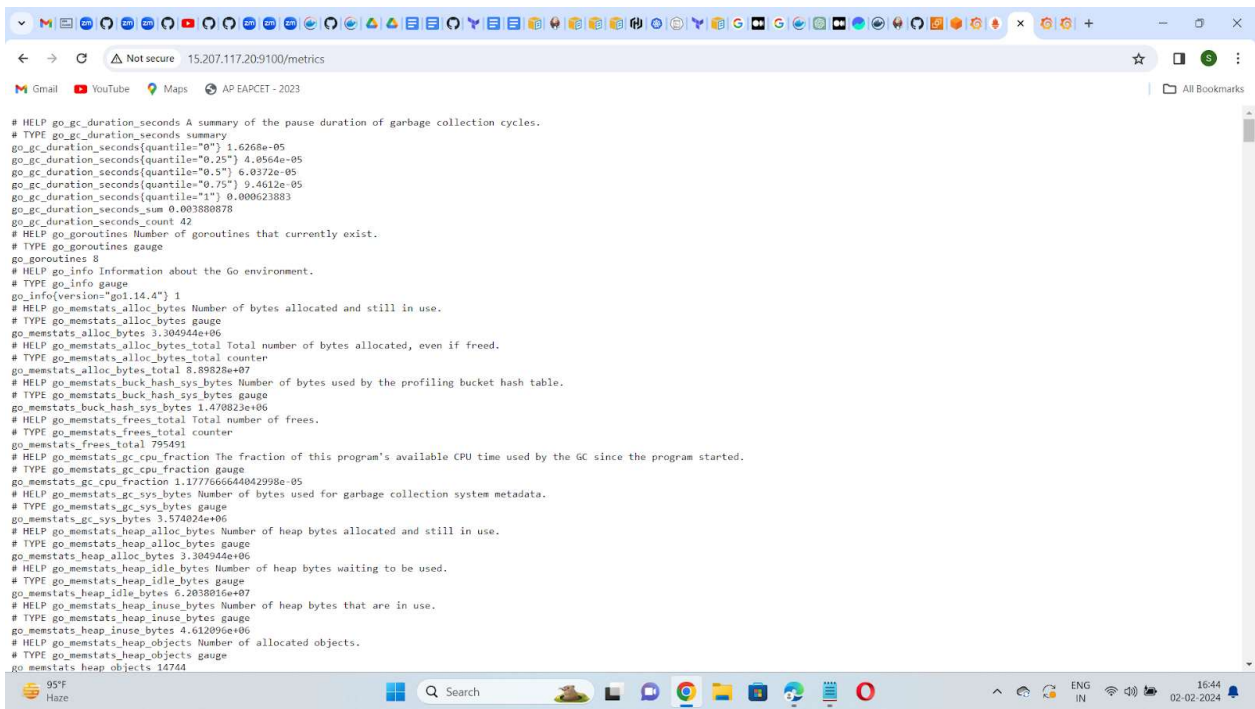


Node Exporter

[Metrics](#)

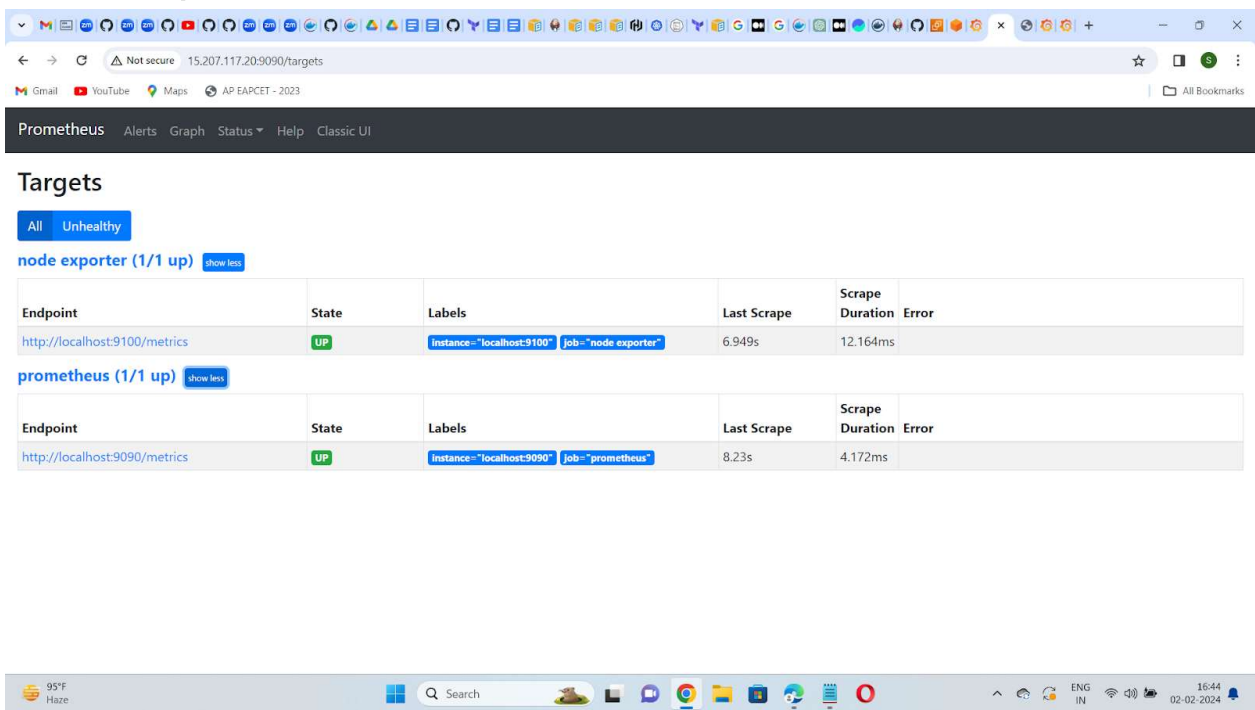


Metrics page



Prometheus target page

Prometheus port-9000



Screenshot of webhook for auto build

