FINAL PROJECT - DEVOPS APPLICATION DEPLOYMENT

STEP 1: Running application in port 80

STEP 2 : DOCKER
(i) Dockerize the application by creating a dockerfile

Installed and Actively running Docker

```
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: disabled)
     Active: active (running) since Sat 2024-12-21 17:20:40 UTC; 33s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 29464 (dockerd)
      Tasks: 7
     Memory: 34.9M
        CPU: 274ms
     CGroup: /system.slice/docker.service
             └─29464 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65536

Dec 21 17:20:39 ip-172-31-2-190.us-west-2.compute.internal systemd[1]: Starting docker.service - Docker Application Container Engine...
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal dockerd[29464]: time="2024-12-21T17:20:40.004985802Z" level=info msg="Starting
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal dockerd[29464]: time="2024-12-21T17:20:40.098228119Z" level=info msg="Loading
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal dockerd[29464]: time="2024-12-21T17:20:40.546810216Z" level=info msg="Loading
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal dockerd[29464]: time="2024-12-21T17:20:40.581459838Z" level=info msg="Docker d
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal dockerd[29464]: time="2024-12-21T17:20:40.581727821Z" level=info msg="Daemon h
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal dockerd[29464]: time="2024-12-21T17:20:40.616247005Z" level=info msg="API list
Dec 21 17:20:40 ip-172-31-2-190.us-west-2.compute.internal systemd[1]: Started docker.service - Docker Application Container Engine.
lines 1-20
```

i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

DOCKERFILE

```
MINGW64:/c/Users/ASUS/devops-build

GNU nano 8.2                                                    Dockerfile
From nginx:alpine
copy build/ /usr/share/nginx/html
```

(ii) Create a docker-compose file to use the image

DOCKER-COMPOSE.YML

```
version: '3'
services:
  web:
    build:
      context: .
      dockerfile: dockerfile
    ports:
      - "80:80"
    restart: always
~
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~
~
-- INSERT --
```

i-056dafa4108ffae87 (final-devops project)

STEP (iii) BASH SCRIPTING:
(i)build.sh- for application by creating a dockerfile

BUILD.SH

aws | ::: | Q Search [Alt+S]

```
#!/bin/bash
docker build -t dev-project .
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~
~
-- INSERT --
```

Building images finished

```
ASUS@DESKTOP-BMULPAN MINGW64 ~/devops-build (main)
$ docker build -t dev-project .
[+] Building 11.7s (8/8) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 90B
 => [internal] load metadata for docker.io/library/nginx:alpine
 => [auth] library/nginx:pull token for registry-1.docker.io
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load build context
 => => transferring context: 3.38MB
 => CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:41523187cf7d7a2f2677a80609d9caa14388bf5c1fbca9c410ba3de602aaaab4
 => [2/2] COPY build/ /usr/share/nginx/html
 => exporting to image
 => => exporting layers
 => => writing image sha256:777ecde56e06c796452e8fc919ad7ff8ac796da780385c4d6d1d0adc13463fea
 => => naming to docker.io/library/dev-project

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/1eb5z21wgtlvvg75crtgdp8u1

 1 warning found (use docker --debug to expand):
 - ConsistentInstructionCasing: Command 'From' should match the case of the command majority (lowercase) (line 1)

What's next:
    View a summary of image vulnerabilities and recommendations → docker scout quickview
```

<u>BUILT IMAGES</u>

```
ASUS@DESKTOP-BMULPAN MINGW64 ~/devops-build (main)
$ docker images
REPOSITORY                                  TAG                                                                             IMAGE ID        CREATED         SIZE
dev-project                                 latest                                                                          79fc453d3866    18 hours ago    55.1MB
<none>                                      <none>                                                                          18eec502a3e0    20 hours ago    55.1MB
my-react-app-app                            latest                                                                          362ec6495f15    3 weeks ago     1.58GB
mirdula02/dev                               latest                                                                          362ec6495f15    3 weeks ago     1.58GB
mirdula02/devmy-react-app-app               latest                                                                          362ec6495f15    3 weeks ago     1.58GB
devops-build                                latest                                                                          d560f7b61aa0    3 weeks ago     1.58GB
mirdula02/prod                              latest                                                                          d560f7b61aa0    3 weeks ago     1.58GB
mirdula02/proddevops-build                  latest                                                                          d560f7b61aa0    3 weeks ago     1.58GB
docker/desktop-kubernetes                   kubernetes-v1.30.5-cni-v1.4.0-critools-v1.29.0-cri-dockerd-v0.3.11-1-debian     a60dd8dae2ad    2 months ago    435MB
registry.k8s.io/kube-apiserver              v1.30.5                                                                         e9adc5c075a8    3 months ago    117MB
registry.k8s.io/kube-controller-manager     v1.30.5                                                                         38406042cf08    3 months ago    111MB
registry.k8s.io/kube-scheduler              v1.30.5                                                                         25903461e65c    3 months ago    62MB
registry.k8s.io/kube-proxy                  v1.30.5                                                                         71161e05b9bb    3 months ago    84.7MB
registry.k8s.io/coredns/coredns             v1.11.3                                                                         c69fa2e9cbf5    4 months ago    61.8MB
docker/desktop-kubernetes                   kubernetes-v1.30.2-cni-v1.4.0-critools-v1.29.0-cri-dockerd-v0.3.11-1-debian     8b7b9de36bd5    5 months ago    435MB
registry.k8s.io/kube-apiserver              v1.30.2                                                                         56ce0fd9fb53    6 months ago    117MB
registry.k8s.io/kube-controller-manager     v1.30.2                                                                         e874818b3caa    6 months ago    111MB
registry.k8s.io/kube-scheduler              v1.30.2                                                                         7820c83aa139    6 months ago    62MB
registry.k8s.io/kube-proxy                  v1.30.2                                                                         53c535741fb4    6 months ago    84.7MB
registry.k8s.io/etcd                        3.5.12-0                                                                        3861cfcd7c04    10 months ago   149MB
registry.k8s.io/coredns/coredns             v1.11.1                                                                         cbb01a7bd410    16 months ago   59.8MB
docker/desktop-vpnkit-controller            dc331cb22850be0cdd97c84a9cfecaf44a1afb6e                                        556098075b3d    19 months ago   36.2MB
registry.k8s.io/pause                       3.9                                                                             e6f181688397    2 years ago     744kB
docker/desktop-storage-provisioner          v2.0                                                                            99f89471f470    3 years ago     41.9MB
```

(ii) deploy.sh-for deploying the image to server

DEPLOY.SH

```bash
#!/bin/bash
if [[ $GIT_BRANCH == "origin/dev" ]]; then
    # Build your project
    sh 'chmod +x build.sh'
    sh './build.sh'
    docker login -u mirdula02 -p dckr_pat_Y2CdlVatoDaWrcTIiRv_c3vQHLo
    docker tag dev-project mirdula02/dev
    docker push mirdula02/dev

elif [[ $GIT_BRANCH == "origin/main" ]]; then
    sh 'chmod +x build.sh'
    sh './build.sh'
    docker login -u mirdula02 -p dckr_pat_Y2CdlVatoDaWrcTIiRv_c3vQHLo
    docker tag dev-project mirdula02/prod
    docker push mirdula02/prod
fi
~
~
~
~
~
~
~
-- INSERT --
```

Completed deploying images

```
=> [web stage-1 1/2] FROM docker.io/library/nginx:alpine@sha256:41523187cf7d7a2f2677a80609d9caa14388bf5c1fbca9
=> [web internal] load build context
=> => transferring context: 1.77kB
=> CACHED [web build 2/6] WORKDIR /app
=> CACHED [web build 3/6] COPY package*.json ./
=> CACHED [web build 4/6] RUN npm install
=> [web build 5/6] COPY . .
=> [web build 6/6] RUN npm run build
=> CACHED [web stage-1 2/2] COPY --from=build /app/build /usr/share/nginx/html
=> [web] exporting to image
=> => exporting layers
=> => writing image sha256:35f37d3bb56e8f14d197869dbe6062c9ecd059aa5b35c6b8bdad2e26e5822ba8
[+] Running 3/3o docker.io/library/final-project-web
 ✓ Service web              Built
 ✓ Network final-project_default   Created
 ✓ Container final-project-web-1   Started
[root@ip-172-31-2-190 final-project]# docker images
REPOSITORY        TAG       IMAGE ID        CREATED         SIZE
create-react-app  latest    db9030eb3145    8 minutes ago   53.1MB
final-project-web latest    35f37d3bb56e    8 minutes ago   53.1MB
[root@ip-172-31-2-190 final-project]#
```

i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

Pushed docker images in the Docker application
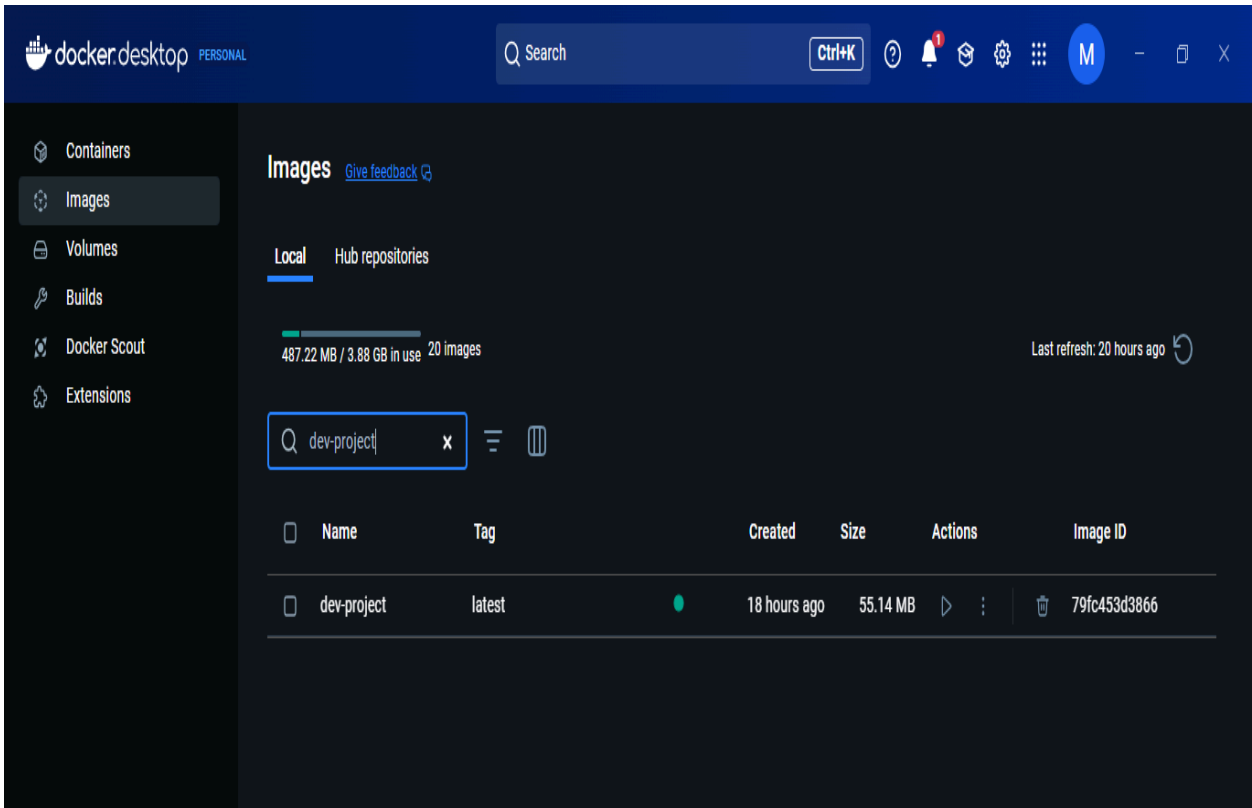
RUNNING CONTAINER

WEBSITE URL : http://172.19.48.1:80
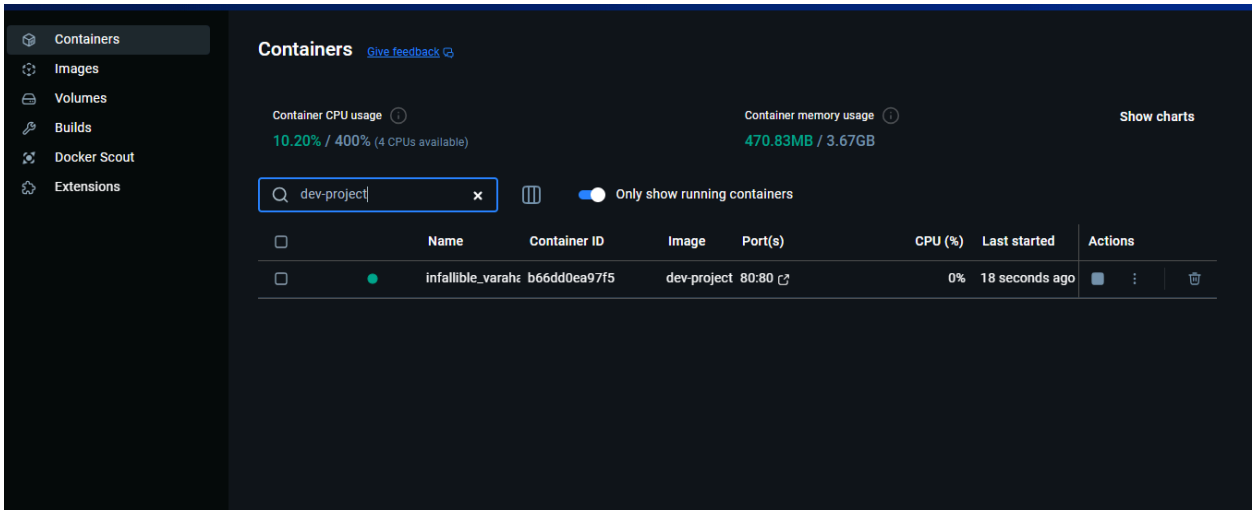
RUNNING APPLICATION:
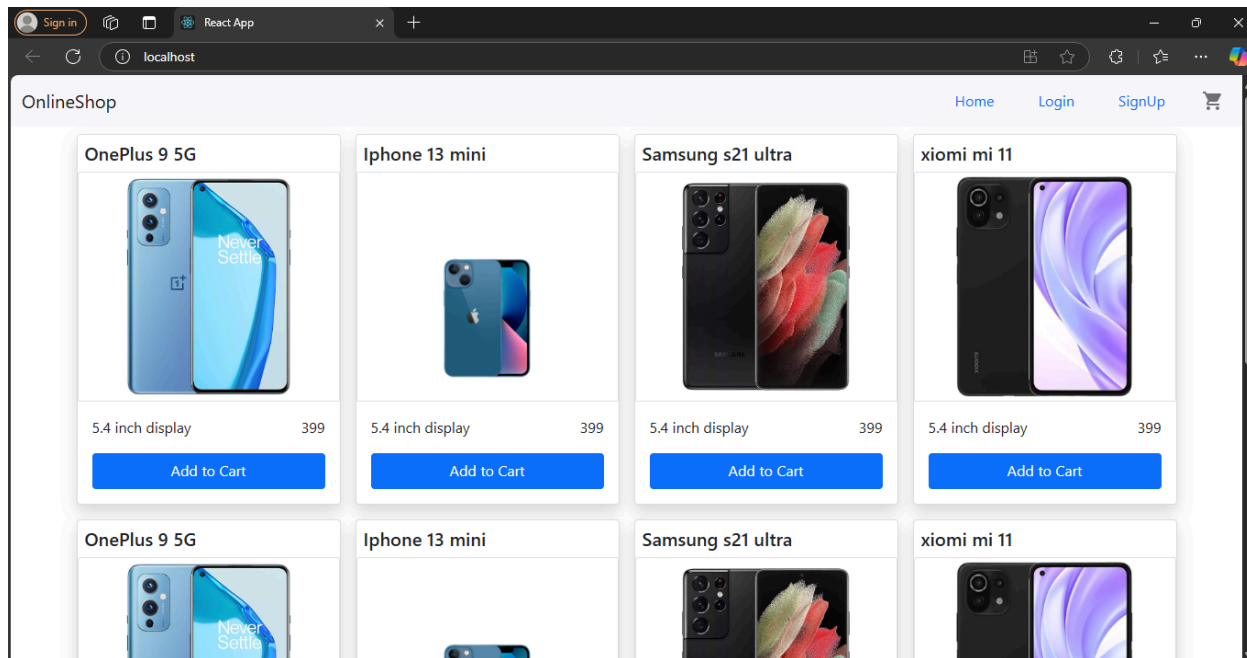
STEP 4 VERSION CONTROL:

(i) push the code to github to dev branch(use dockerignore and git ignore files)

NOTE: Using only CLI related commands

.gitignore files
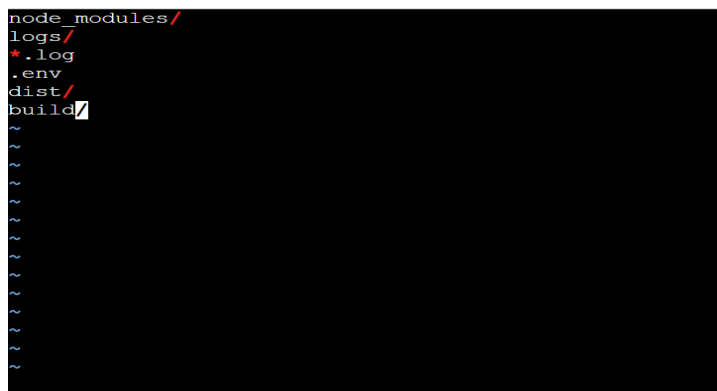
i-056dafa4108ffae87 (final-devops project)

.dockerignore files

```
node_modules/
.git
.env
logs/
dist/
build/

~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

i-056dafa4108ffae87 (final-devops project)

Pushed to git DEV Branch

```
git version 2.40.1
[ec2-user@ip-172-31-2-190 final-project]$ sudo chown -R ec2-user:ec2-user /home/ec2-user/final-project
[ec2-user@ip-172-31-2-190 final-project]$ chmod -R u+rwX /home/ec2-user/final-project
[ec2-user@ip-172-31-2-190 final-project]$ git init
Reinitialized existing Git repository in /home/ec2-user/final-project/.git/
[ec2-user@ip-172-31-2-190 final-project]$ git add .
[ec2-user@ip-172-31-2-190 final-project]$ git commit -m "project commit files"
On branch dev
nothing to commit, working tree clean
[ec2-user@ip-172-31-2-190 final-project]$ git remote set-url origin https://Mirdula02:ghp_UTmJhSpGJhrUyOzxqHNs8zsrP7ik
rdula02/final-project.git
[ec2-user@ip-172-31-2-190 final-project]$ git branch
* dev
  main
[ec2-user@ip-172-31-2-190 final-project]$ git push -u origin dev
Enumerating objects: 43, done.
```

i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

FILES PUSHED INSIDE REPO
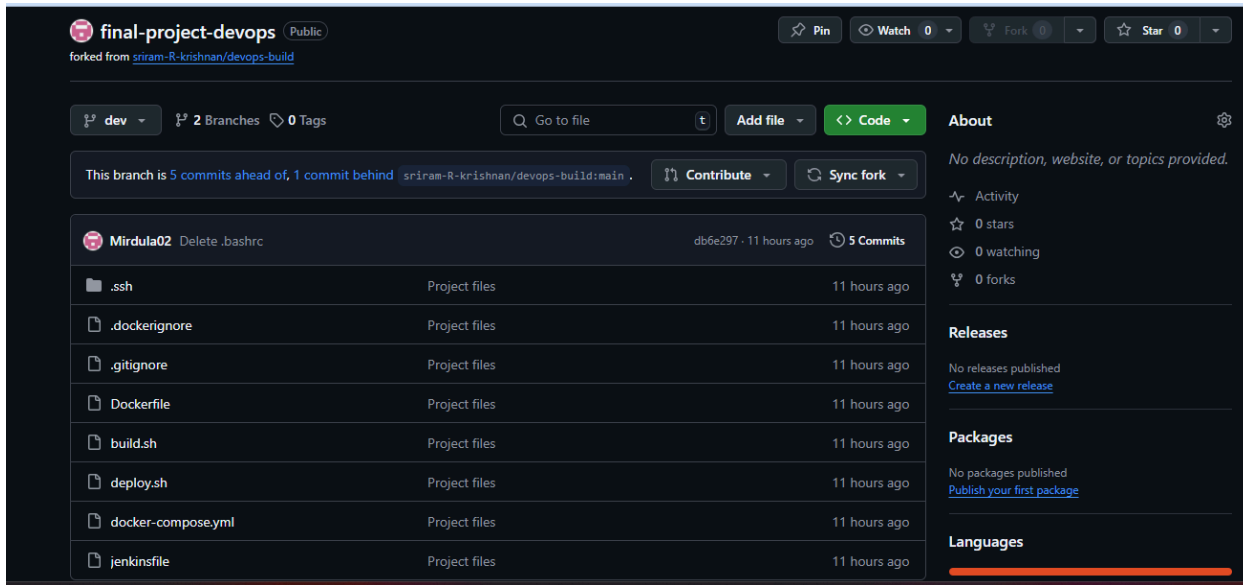
STEP V DOCKER HUB :
(i) Create 2 repos "dev" and "prod" to push images. "Prod" repo must be "private" and the "dev " repo is "public".

CREATED DEV REPO(PUBLIC)
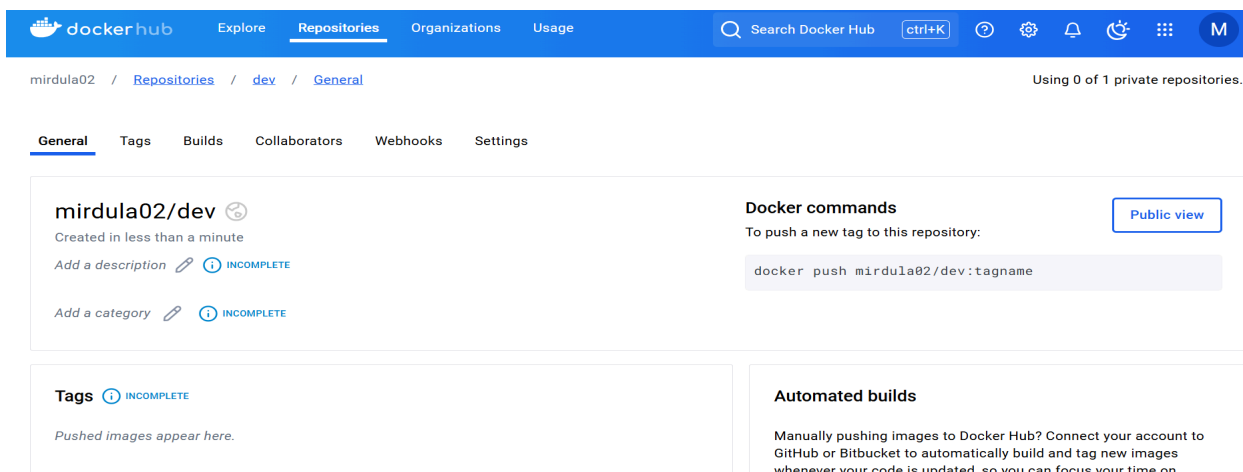
CREATED PROD REPO(PRIVATE)

PUSHED IMAGE ON **DEV(PUBLIC)**

```
Username: mirdula02
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[root@ip-172-31-2-190 final-project]# docker push mirdula02/dev-create-react-app
Using default tag: latest
The push refers to repository [docker.io/mirdula02/dev-create-react-app]
973ae3643135: Pushed
2430c01bea64: Mounted from library/nginx
b11b58162504: Mounted from library/nginx
8b5ce426f73d: Mounted from library/nginx
884b72c14f15: Mounted from library/nginx
4a37d1b49911: Mounted from library/nginx
4e8a0009474a: Mounted from library/nginx
287563f25f8b: Mounted from library/nginx
75654b8eeebd: Mounted from library/nginx
latest: digest: sha256:1e728fb56f2f34893f7de2698ee11db653b5fc8dfc2b86320f1e05ca63e14eb3 size: 2199
[root@ip-172-31-2-190 final-project]#
```

i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

IMAGE PUSHED ON **PROD(PRIVATE)**

```
The push refers to repository [docker.io/mirdula02/dev-create-react-app]
973ae3643135: Pushed
2430c01bea64: Mounted from library/nginx
b11b58162504: Mounted from library/nginx
8b5ce426f73d: Mounted from library/nginx
884b72c14f15: Mounted from library/nginx
4a37d1b49911: Mounted from library/nginx
4e8a0009474a: Mounted from library/nginx
287563f25f8b: Mounted from library/nginx
75654b8eeebd: Mounted from library/nginx
latest: digest: sha256:1e728fb56f2f34893f7de2698ee11db653b5fc8dfc2b86320f1e05ca63e14eb3 size: 2199
[root@ip-172-31-2-190 final-project]# docker push mirdula02/prod-final-project-web
Using default tag: latest
The push refers to repository [docker.io/mirdula02/prod-final-project-web]
973ae3643135: Mounted from mirdula02/dev-create-react-app
2430c01bea64: Mounted from mirdula02/dev-create-react-app
b11b58162504: Mounted from mirdula02/dev-create-react-app
8b5ce426f73d: Mounted from mirdula02/dev-create-react-app
884b72c14f15: Mounted from mirdula02/dev-create-react-app
4a37d1b49911: Mounted from mirdula02/dev-create-react-app
4e8a0009474a: Mounted from mirdula02/dev-create-react-app
```

i-056dafa4108ffae87 (final-devops project)

PUSHED IMAGE INTO DOCKER HUB (**DEV REPO**)

mirdula02/dev-create-react-app ⊚
Last pushed 3 minutes ago

Add a description ✏ ⓘ INCOMPLETE

Add a category ✏ ⓘ INCOMPLETE

Docker commands
To push a new tag to this repository:

[Public view]

```
docker push mirdula02/dev-create-react-app:tagname
```

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
● latest	🐧	Image	3 minutes ago	3 minutes ago

See all

Automated builds

Manually pushing images to Docker 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]

PUSHED IMAGE INTO DOCKER HUB (**PROD REPO**)

mirdula02/dev-create-react-app ⊚
Last pushed 3 minutes ago

Add a description ✏ ⓘ INCOMPLETE

Add a category ✏ ⓘ INCOMPLETE

Docker commands
To push a new tag to this repository:

[Public view]

```
docker push mirdula02/dev-create-react-app:tagname
```

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
● latest	🐧	Image	3 minutes ago	3 minutes ago

See all

Automated builds

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[Upgrade]

DOCKER HUB REPOSITORY VIEW WITH THE IMAGES PUSHED

STEP 6 <u>JENKINS :</u>

(i) INSTALLING AND CONFIGURING JENKINS

LOGGING INTO JENKINS

FIRST BUILD OF JENKINS

Dashboard > devops project > Configuration

Build Steps

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- **Build Steps**
- Post-build Actions

≡ **Execute shell** ?

Command

See the list of available environment variables

```
docker build -t mirdula02/devdev-project-app .
```

Advanced ⌄

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- **Build Steps**
- Post-build Actions

≡ **Execute shell** ?

Command

See the list of available environment variables

```
docker login -u mirdula02 -p Mirdula@31
docker push mirdula02/devdev-project-app
```

Advanced ⌄

SECOND BUILD OF JENKINS

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- **Build Steps**
- Post-build Actions

≡ **Execute shell** ?

Command

See the list of available environment variables

```
docker login -u mirdula02 -p Mirdula@31
docker push mirdula02/devdev-project-app
```

Advanced ⌄

BUILT JENKINS JOB
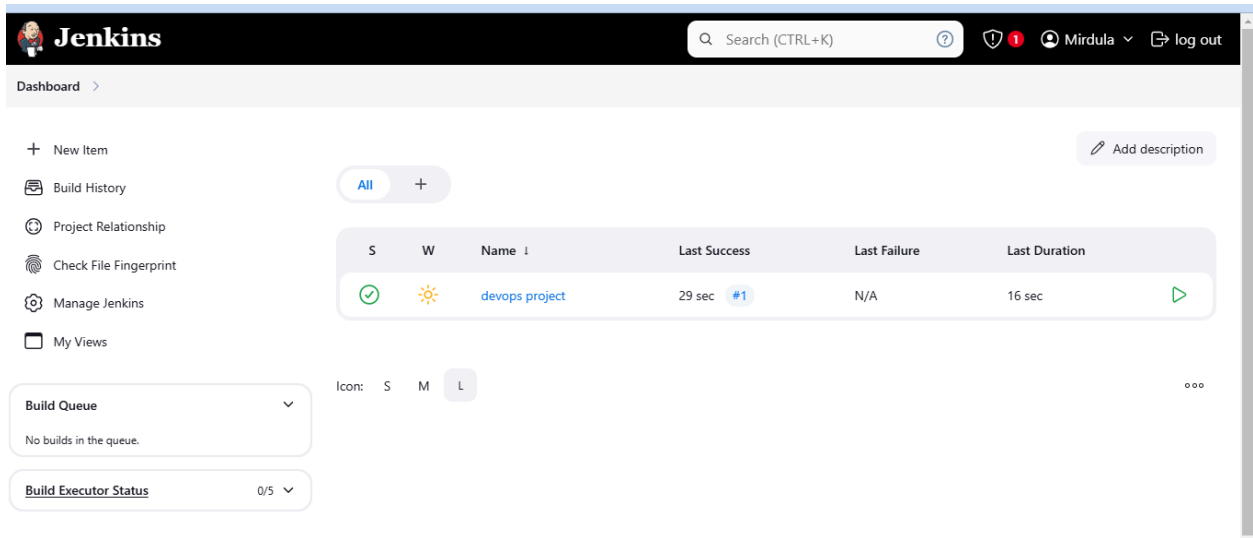
WEBHOOK CREATED

CONSOLE OUTPUT

Console Output
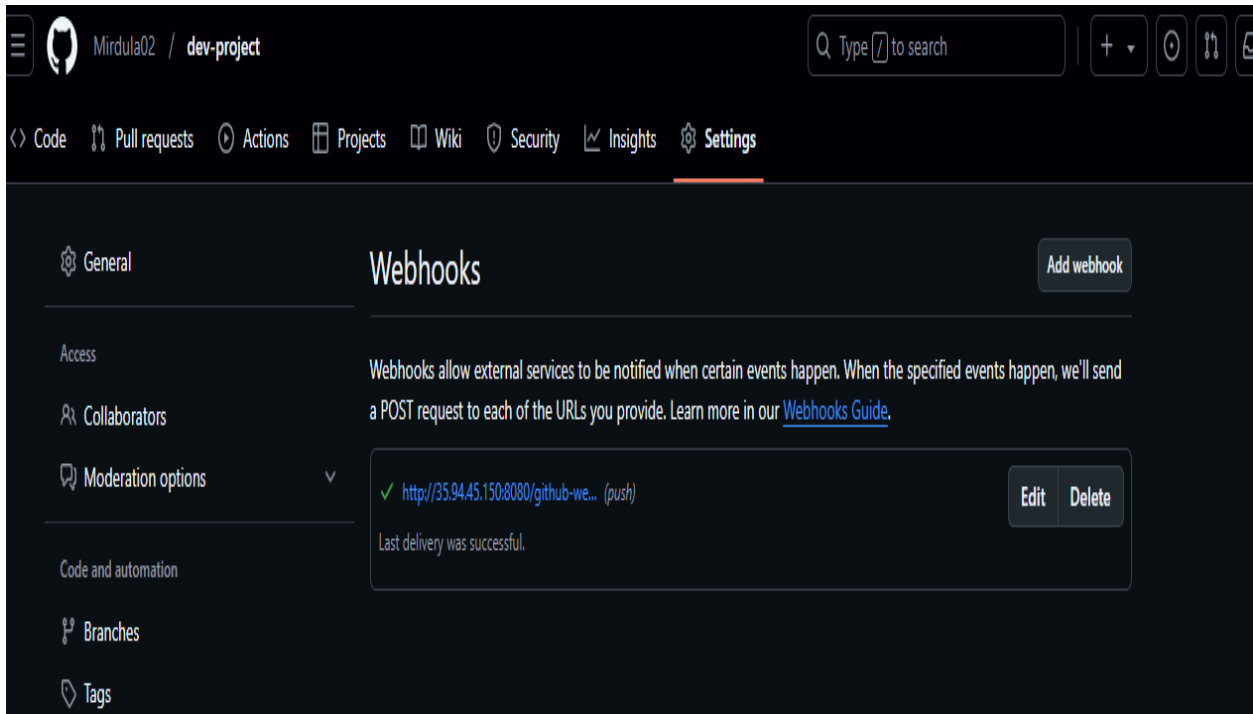
✓ **Console Output**   [Download] [Copy] [View as plain text]

- Status
- Changes
- **Console Output**
- Edit Build Information
- Delete build '#1'
- Timings
- Git Build Data

```
Started by user Mirdula
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/devops project
The recommended git tool is: NONE
using credential github-cred
Cloning the remote Git repository
Cloning repository https://github.com/Mirdula02/dev-project.git
 > git init /var/lib/jenkins/workspace/devops project # timeout=10
Fetching upstream changes from https://github.com/Mirdula02/dev-project.git
 > git --version # timeout=10
 > git --version # 'git version 2.40.1'
using GIT_ASKPASS to set credentials
 > git fetch --tags --force --progress -- https://github.com/Mirdula02/dev-project.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
 > git config remote.origin.url https://github.com/Mirdula02/dev-project.git # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
```

```
fe0fb3ab4a0f: Waiting
f1186e5061f2: Waiting
b2dba7477754: Waiting
5f70bf18a086: Layer already exists
778ea5578ab4: Layer already exists
71304d53ec1c: Layer already exists
0d5f5a015e5d: Layer already exists
3c777d951de2: Layer already exists
e01a454893a9: Layer already exists
f8a91dd5fc84: Layer already exists
cb81227abde5: Layer already exists
8656469121f8: Mounted from mirdula02/devdev-project-app
fe0fb3ab4a0f: Layer already exists
f1186e5061f2: Layer already exists
c45660adde37: Layer already exists
b2dba7477754: Layer already exists
latest: digest: sha256:0980f78eb277f201b716a1908ef97fe402cd152856f3ea87b35cd7f7968d8fd6 size: 3042
Finished: SUCCESS
```

JENKINS BUILD DOCKER IMAGE(DEV)

mirdula02/dev-create-react-app ⟳

Last pushed 3 minutes ago

Add a description ✏️ ⓘ INCOMPLETE

Add a category ✏️ ⓘ INCOMPLETE

Docker commands

To push a new tag to this repository:

Public view

```
docker push mirdula02/dev-create-react-app:tagname
```

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
🟢 latest	🐧	Image	3 minutes ago	3 minutes ago

See all

Automated builds

Manually pushing images to Docker 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

JENKINS BUILD DOCKER IMAGE(PROD)

mirdula02/prod-final-project-web ⟳

Last pushed 1 minute ago

Add a description ✏️ ⓘ INCOMPLETE

Add a category ✏️ ⓘ INCOMPLETE

Docker commands

To push a new tag to this repository:

Public view

```
docker push mirdula02/prod-final-project-web:tagname
```

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
🟢 latest	🐧	Image	a few seconds ago	a minute ago

See all

Automated builds

Manually pushing images to Docker 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

STEP 7 AWS:

LAUNCH t2.micro instance and deploy the create application
LAUNCHED INSTANCE:
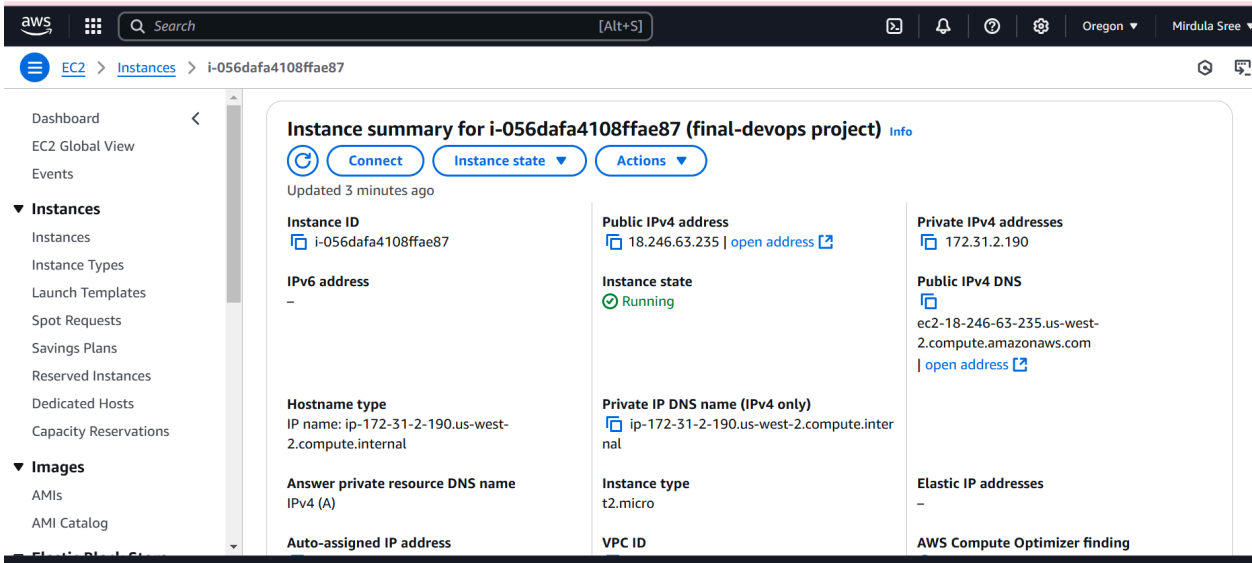
SECURITY GROUPS
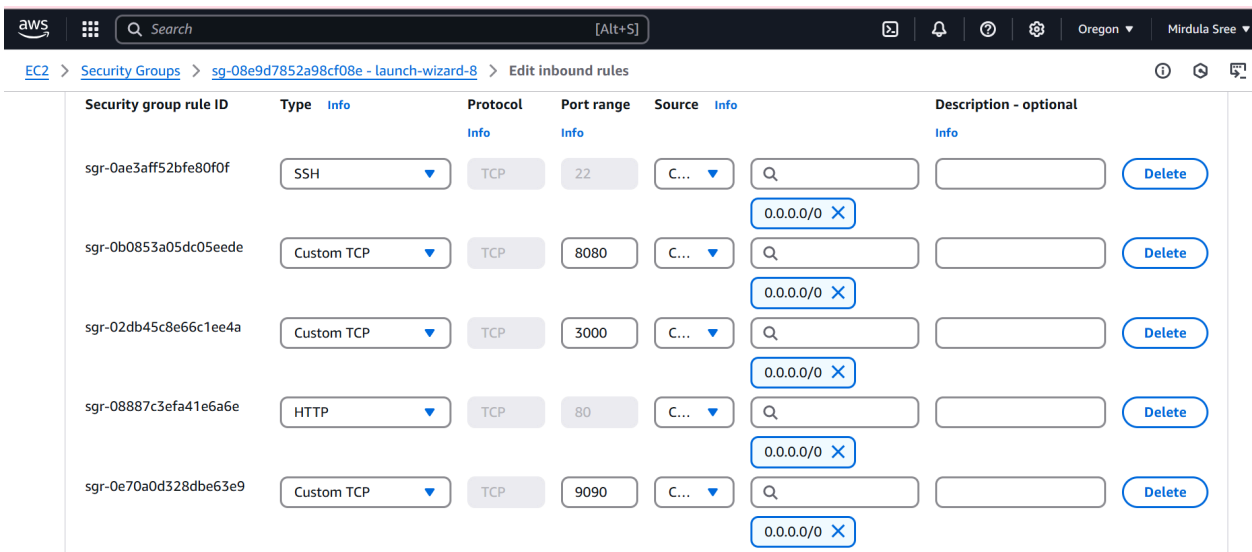
STEP 8 MONITORING:

INSTALLED PROMETHEUS

PROMETHEUS.YML FILE

```
global:
  scrape_interval: 15s

scrape_configs:
  - job_name: 'application'
    static_configs:
      - targets: ['<your-application-server-ip>:<metrics-port>']




~
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~
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~
~
~
~
~
~
~
~
~
-- INSERT --
```

i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

PROMETHEUS DASHBOARD
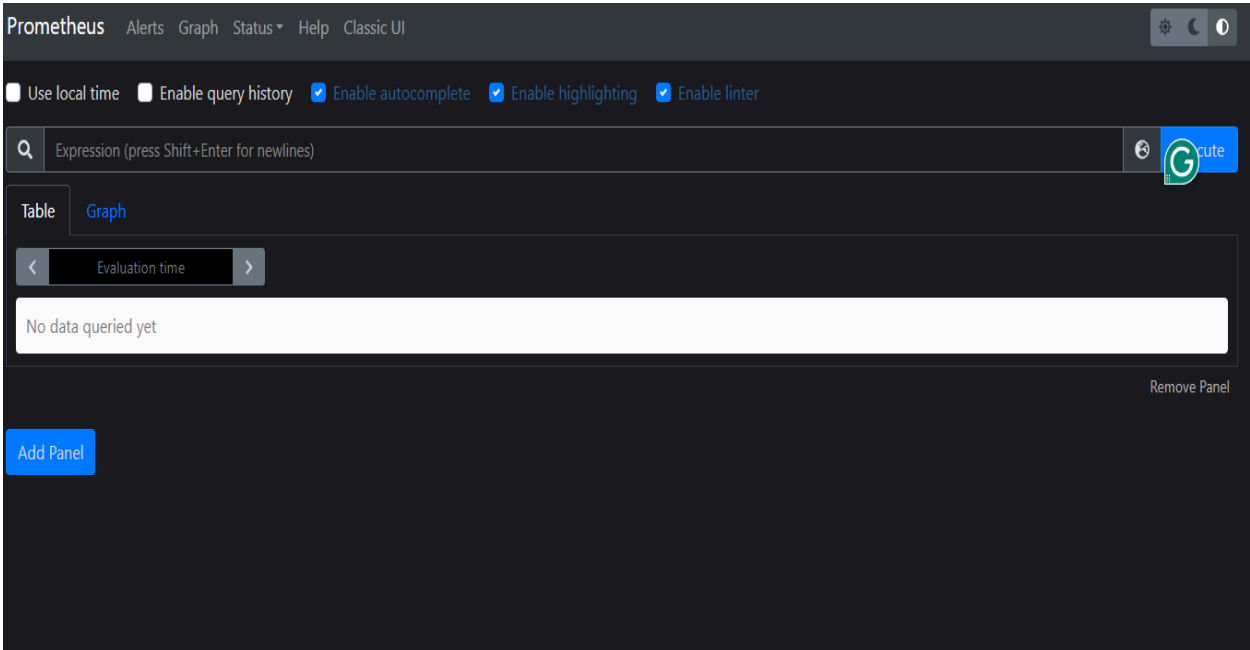
HEALTH CHECK STATUS :HEALTHY

PROMETHEUS MONITORING GRAPH

2024-12-22 11:35:33 +00:00
promhttp_metric_handler_requests_total: 3740
Series:
promhttp_metric_handler_requests_total
code: 200
instance: 18.246.63.235:9090
job: prometheus

2024-12-22 11:39:42 +00:00
promhttp_metric_handler_requests_total: 3757
Series:
promhttp_metric_handler_requests_total
code: 200
instance: 18.246.63.235:9090
job: prometheus
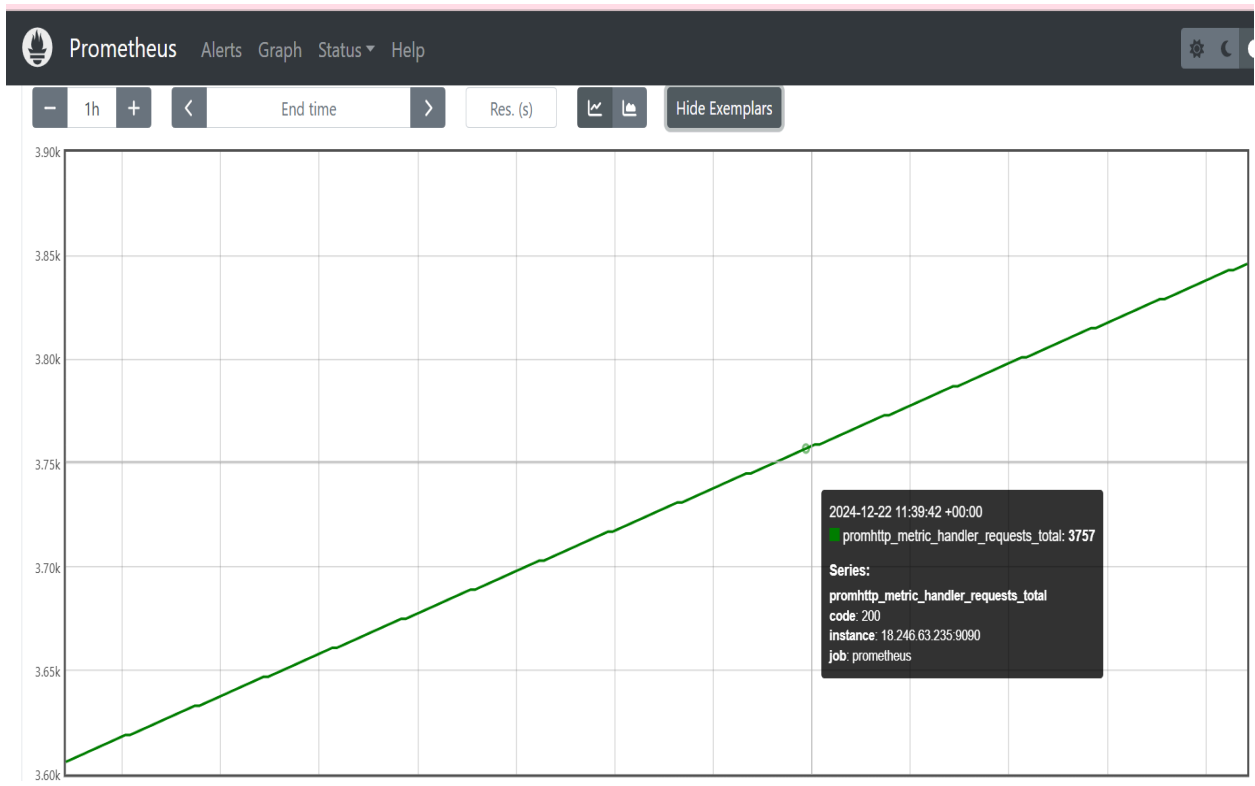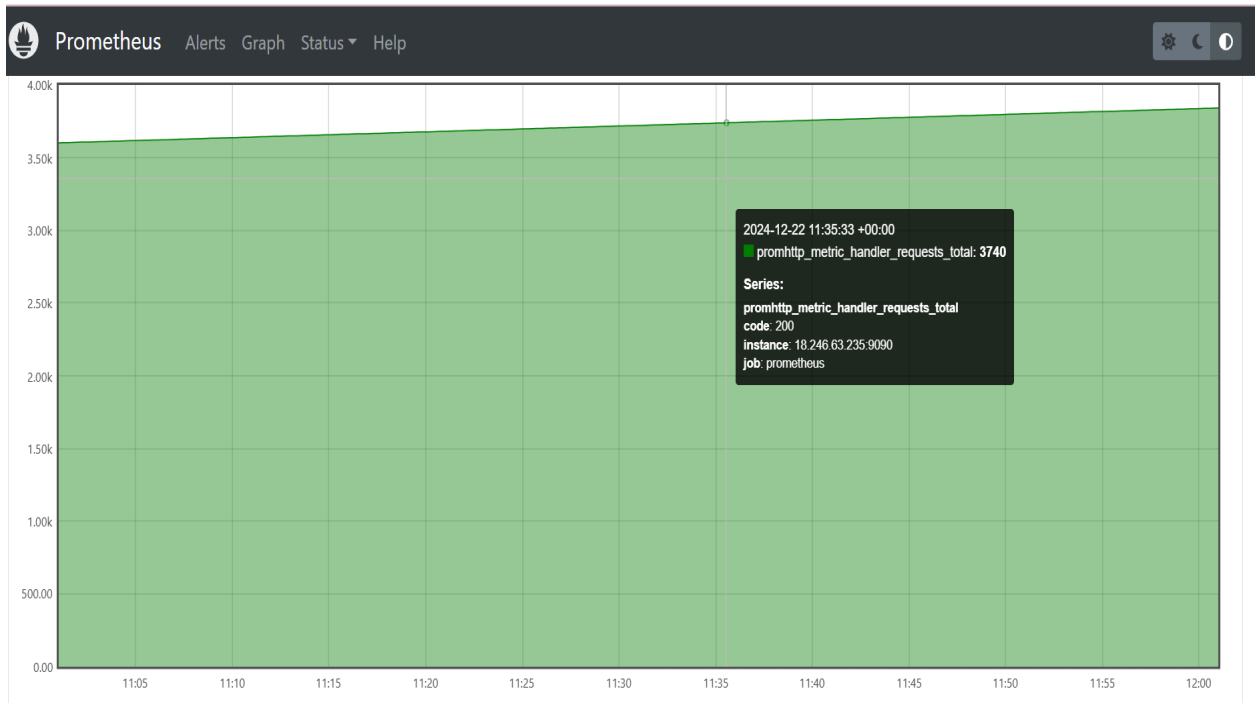
INSTALLED GRAFANA:

```
Installed:
  cairo-1.18.0-4.amzn2023.0.1.x86_64                    fontconfig-2.13.94-2.amzn2023.0.2.x86_64
  fonts-filesystem-1:2.0.5-12.amzn2023.0.2.noarch       freetype-2.13.2-5.amzn2023.0.1.x86_64
  google-noto-fonts-common-20201206-2.amzn2023.0.2.noarch  google-noto-sans-vf-fonts-20201206-2.amzn2023.0.2.noarch
  grafana-9.3.2-1.x86_64                                graphite2-1.3.14-7.amzn2023.0.2.x86_64
  harfbuzz-7.0.0-2.amzn2023.0.1.x86_64                  langpacks-core-font-en-3.0-21.amzn2023.0.4.noarch
  libX11-1.8.10-2.amzn2023.0.1.x86_64                   libX11-common-1.8.10-2.amzn2023.0.1.noarch
  libXau-1.0.11-6.amzn2023.0.1.x86_64                   libXext-1.3.6-1.amzn2023.0.1.x86_64
  libXrender-0.9.11-6.amzn2023.0.1.x86_64               libbrotli-1.0.9-4.amzn2023.0.2.x86_64
  libpng-2:1.6.37-10.amzn2023.0.6.x86_64                libxcb-1.17.0-1.amzn2023.0.1.x86_64
  pixman-0.43.4-1.amzn2023.0.4.x86_64                   urw-base35-bookman-fonts-20200910-6.amzn2023.0.2.noarch
  urw-base35-c059-fonts-20200910-6.amzn2023.0.2.noarch  urw-base35-d050000l-fonts-20200910-6.amzn2023.0.2.noarch
  urw-base35-fonts-20200910-6.amzn2023.0.2.noarch       urw-base35-fonts-common-20200910-6.amzn2023.0.2.noarch
  urw-base35-gothic-fonts-20200910-6.amzn2023.0.2.noarch  urw-base35-nimbus-mono-ps-fonts-20200910-6.amzn2023.0.2.noarch
  urw-base35-nimbus-roman-fonts-20200910-6.amzn2023.0.2.noarch  urw-base35-nimbus-sans-fonts-20200910-6.amzn2023.0.2.noarch
  urw-base35-p052-fonts-20200910-6.amzn2023.0.2.noarch  urw-base35-standard-symbols-ps-fonts-20200910-6.amzn2023.0.2.noarch
  urw-base35-z003-fonts-20200910-6.amzn2023.0.2.noarch  xml-common-0.6.3-56.amzn2023.0.2.noarch

Complete!
[root@ip-172-31-2-190 prometheus-2.44.0.linux-amd64]# grafana --version
```

i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

ACTIVELY RUNNING GRAFANA

```
aws   ⊞    Q Search                                            [Alt+S]              ⌕  ⏷  ⊘  ☼    Oregon ▼    Mirdula Sree ▼

● grafana-server.service - Grafana instance
     Loaded: loaded (/usr/lib/systemd/system/grafana-server.service; enabled; preset: disabled)
     Active: active (running) since Sat 2024-12-21 20:22:08 UTC; 1min 36s ago
       Docs: http://docs.grafana.org
   Main PID: 39403 (grafana-server)
      Tasks: 7 (limit: 1111)
     Memory: 118.4M
        CPU: 1.090s
     CGroup: /system.slice/grafana-server.service
             └─39403 /usr/sbin/grafana-server --config=/etc/grafana/grafana.ini --pidfile=/var/run/grafana/grafana-server.pid --packaging

Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=server t=2024-12-21T20:22:08.715931612Z level=in
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=provisioning.alerting t=2024-12-21T20:22:08.7193
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=provisioning.alerting t=2024-12-21T20:22:08.7195
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal systemd[1]: Started grafana-server.service - Grafana instance.
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=http.server t=2024-12-21T20:22:08.743758757Z lev
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=ngalert.state.manager t=2024-12-21T20:22:08.7459
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=ngalert.state.manager t=2024-12-21T20:22:08.7462
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=ticker t=2024-12-21T20:22:08.746308037Z level=in
Dec 21 20:22:08 ip-172-31-2-190.us-west-2.compute.internal grafana-server[39403]: logger=grafanaStorageLogger t=2024-12-21T20:22:08.76605
lines 1-20
```
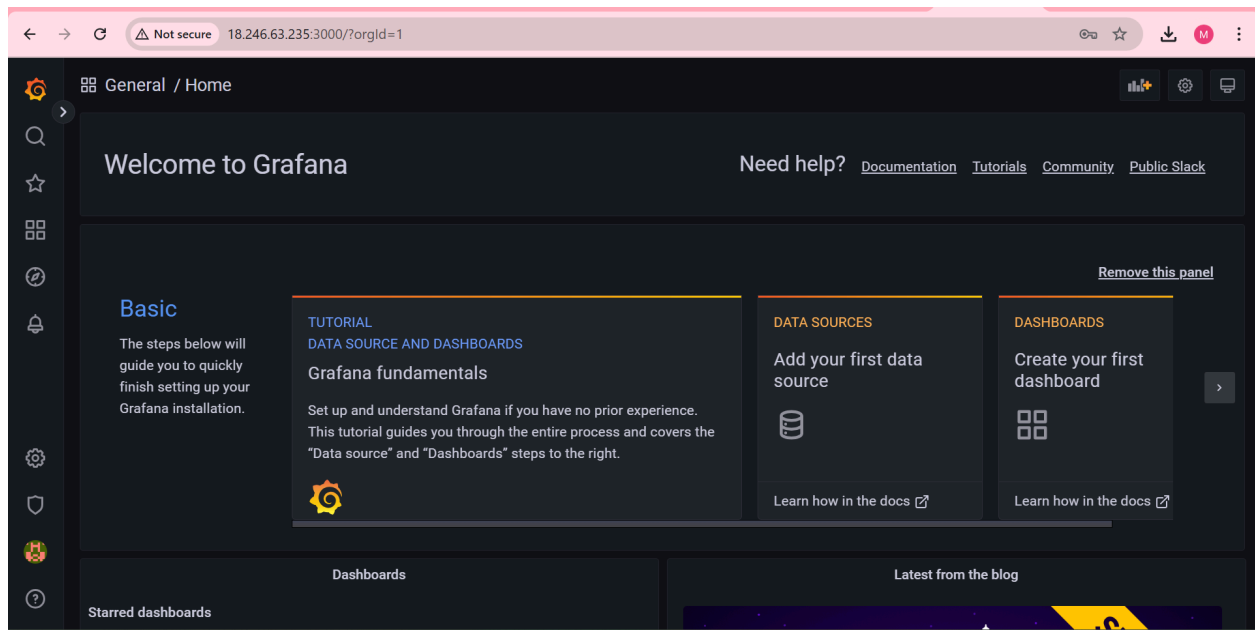
i-056dafa4108ffae87 (final-devops project)

PublicIPs: 18.246.63.235   PrivateIPs: 172.31.2.190

GRAFANA DASHBOARD

ADDED PROMETHEUS INTO GRAFANA