1. Github repo:

   https://github.com/Santhoshkumar1510/capstone_project.git
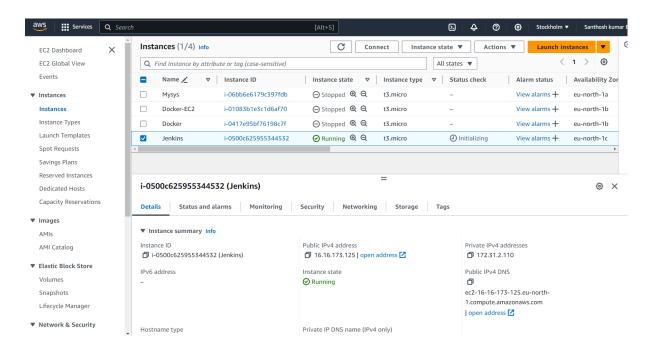
   deployed site url:

   http://16.16.173.125:8000/
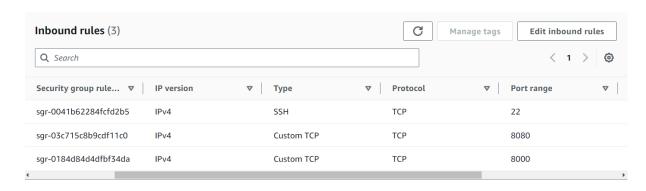
   docker images name - ngimg

2. Aws ec2 console

SG configuration:

Security group rule... ▽	IP version ▽	Type ▽	Protocol ▽	Port range ▽
sgr-0041b62284fcfd2b5	IPv4	SSH	TCP	22
sgr-03c715c8b9cdf11c0	IPv4	Custom TCP	TCP	8080
sgr-0184d84d4dfbf34da	IPv4	Custom TCP	TCP	8000

Inbound rules (3)

Docker hub repo with image tags:

Deployed site image:

Jenkins Console Output:

Jenkins pipeline output:

✓ ‹ **Build #4**

▷ Rebuild   ▭ Console   Configure

Pipeline ⤢

         Start   *Checkout SCM*   Build   Deploy & push   End
         ●━━━━━✓━━━━━✓━━━━━✓━━━━━●

Details

👤 Manually run by Santhosh kumar E
🕐 Started 58 min ago
⌛ Queued 37 ms
🕐 Took 27 sec

Jenkins configuration:

Configure

⚙ General
🔧 Advanced Project Options
↪ Pipeline

General   Enabled ✓

Description

[   ]

Plain text **Preview**

☐ Discard old builds ?

☐ Do not allow concurrent builds

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

☑ GitHub project
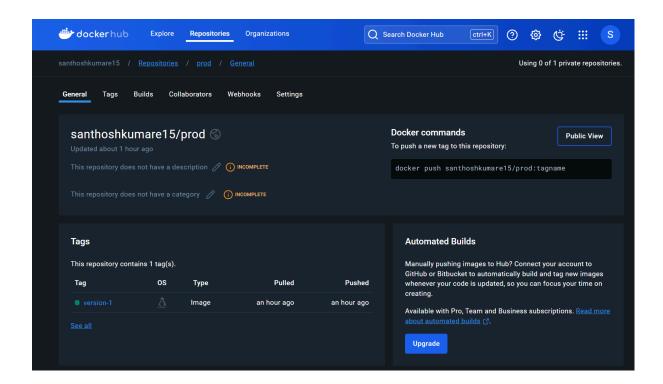
     Project url ?

     [https://github.com/Santhoshkumar1510/capstone_project.git/]

     Advanced ⌄

☐ Pipeline speed/durability override ?

☐ Preserve stashes from completed builds ?

☐ This project is parameterized ?

☐ Throttle builds ?

Build Triggers

Save   Apply

Configure

- General
- Advanced Project Options
- Pipeline

Build Triggers

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☐ GitHub Branches
- ☐ GitHub Pull Requests ?
- ☑ GitHub hook trigger for GITScm polling ?
- ☐ Poll SCM ?
- ☐ Quiet period ?
- ☐ Trigger builds remotely (e.g., from scripts) ?

Advanced Project Options

Advanced ⌄

Pipeline

Definition

Pipeline script from SCM ⌄

SCM ?

Git ⌄ ?

Repositories ?

Repository URL ? ✕

https://github.com/Santhoshkumar1510/capstone_project.git

[Save] [Apply]

Pipeline

Configure

- General
- Advanced Project Options
- Pipeline

Definition

Pipeline script from SCM ⌄

SCM ?

Git ⌄ ?

Repositories ?

Repository URL ? ✕

https://github.com/Santhoshkumar1510/capstone_project.git

Credentials ?

- none - ⌄

[+ Add ⌄]

Advanced ⌄

[Add Repository]

Branches to build ?

Branch Specifier (blank for 'any') ? ✕

*/main

Branch Specifier (blank for 'any') ? ✕

*/devbranch

[Save] [Apply]
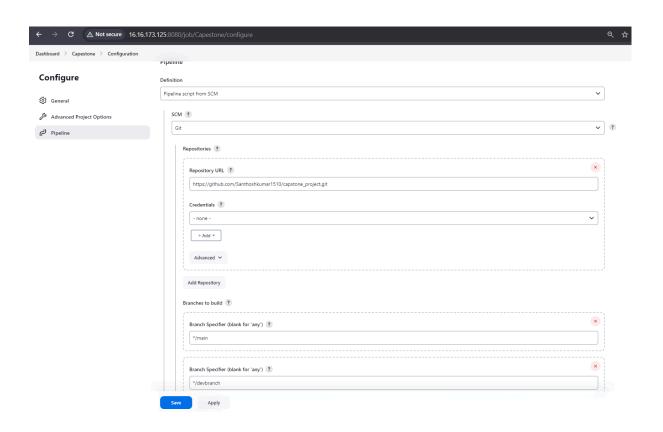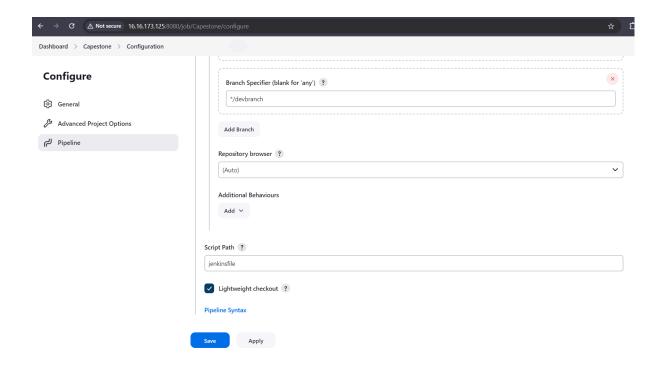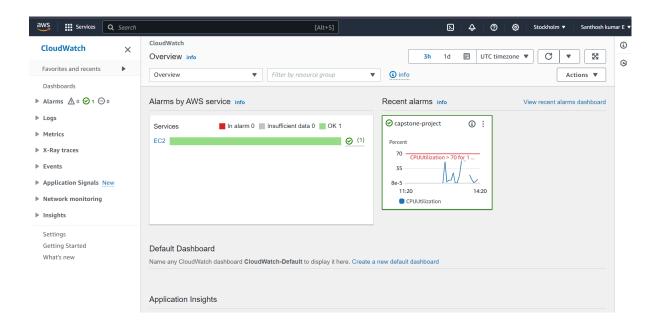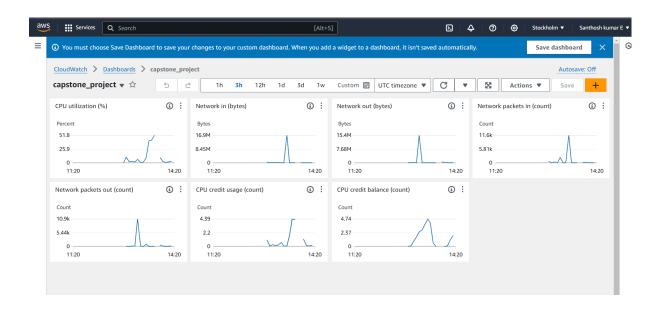
Monitoring health status of the application:

Email-notification-alarm:

CloudWatch > Alarms > Create alarm

Step 1
Specify metric and conditions

Step 2
Configure actions

Step 3
Add name and description

Step 4
Preview and create

Preview and create

Step 1: Specify metric and conditions

Edit

Metric

Graph
This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Percent

70 ------------------------------- 70

35

8e-5

11:30   12:30   13:30

● CPUUtilization

Namespace
AWS/EC2

Metric name
CPUUtilization

InstanceId
i-0500c625955344532

Instance name
Jenkins

Statistic
Maximum

Period
5 minutes