DevOps Capstone Project

-Submitted by,

Varsha C V

A document contains the screen shots of:

- 1. Jenkins (login page, configuration settings, execute step commands)
- 2. AWS (EC2-Console, SG Configs)
- 3. Docker hub repo with image tags
- 4. Deployed site page
- 5. Monitoring health check status

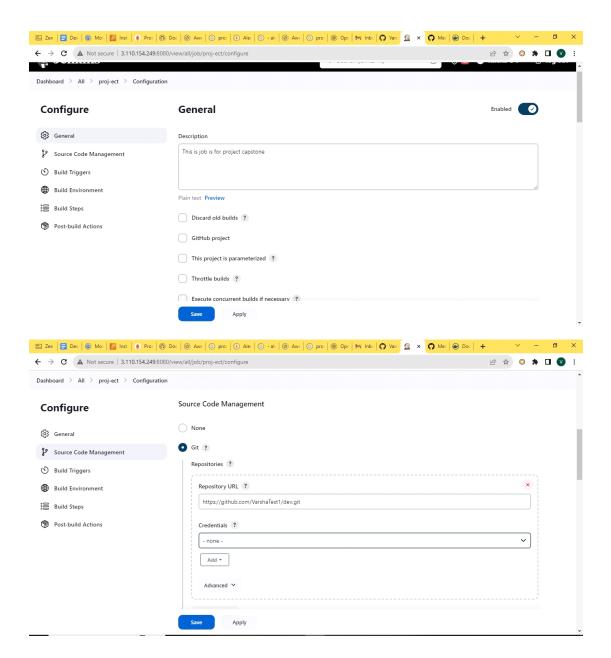
Docker images name: app1, dev, prod

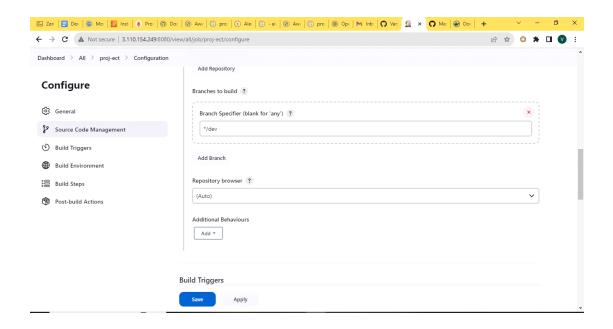
Docker tags:v1

1. Jenkins Login Page



2. Jenkins Configuration Settings





3. Jenkins Execute Step Command

1) Update Package List:

sudo apt update

2) Install Java Development Kit (JDK):

sudo apt install openjdk-8-jdk

3) Add Jenkins Repository Key:

wget -q -O - https://pkg.jenkins.io/debian/jenkins.io.key | sudo apt-key add -

4) Add Jenkins Repository:

sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'

5) Install Jenkins:

sudo apt update

sudo apt install Jenkins

6) Start Jenkins:

sudo systemctl start jenkins

7) Enable Jenkins to Start on Boot:

sudo systemctl start Jenkins

8) Check Jenkins Status:

sudo systemctl status Jenkins

9) Open Jenkins in Your Browser:

http://your_server_ip:8080

10) Unlock Jenkins:

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

- 11) Install Recommended Plugins:
- 12) Create Admin User:
- 13) Start Using Jenkins:

```
data (E.8 MB)

ct 128 hts://security.ubuntu.com/ubuntu jammy-security/multiverse and64 Package

ct 128 hts://security.ubuntu.com/ubuntu jammy-security/multiverse and64 c-n-f M

ctadata [260 B ds (200 MB/s)]

fetched 7790 B n ds (200 MB/s)

sulliding dependenty.com. Done

seading state information... Done

seading state information... Done

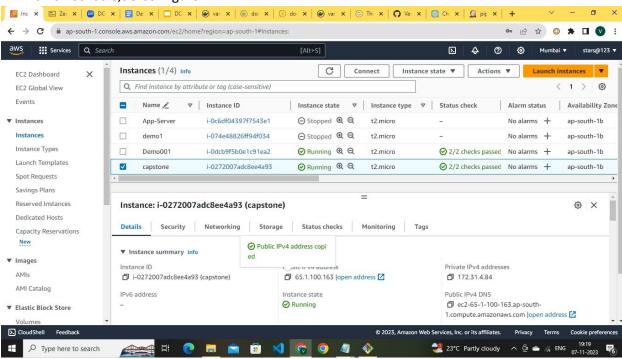
seading package lists... Done

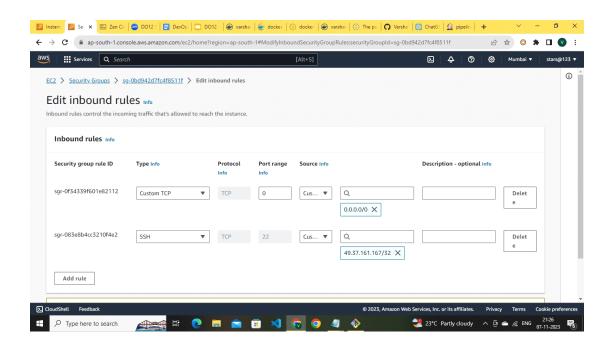
sulliding dependenty.tree... Done

seading state information... Seading state information... Seading state information...

seading seading state information.... Seading
```

4. AWS EC2 Console, SG Configure



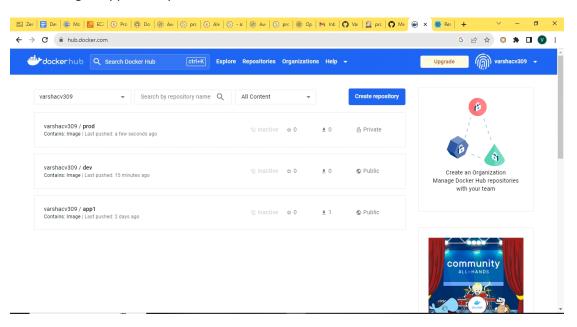


5. Deployed site page

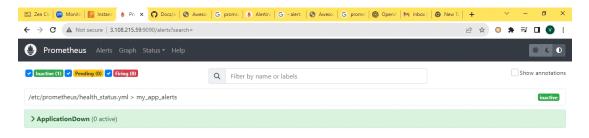


6.Docker hub repo with image tags

Docker images: app1, dev, prod



7. Monitoring health checkup



8.Jenkins Ready Page

