DevOps Capstone Project

-Submitted by,

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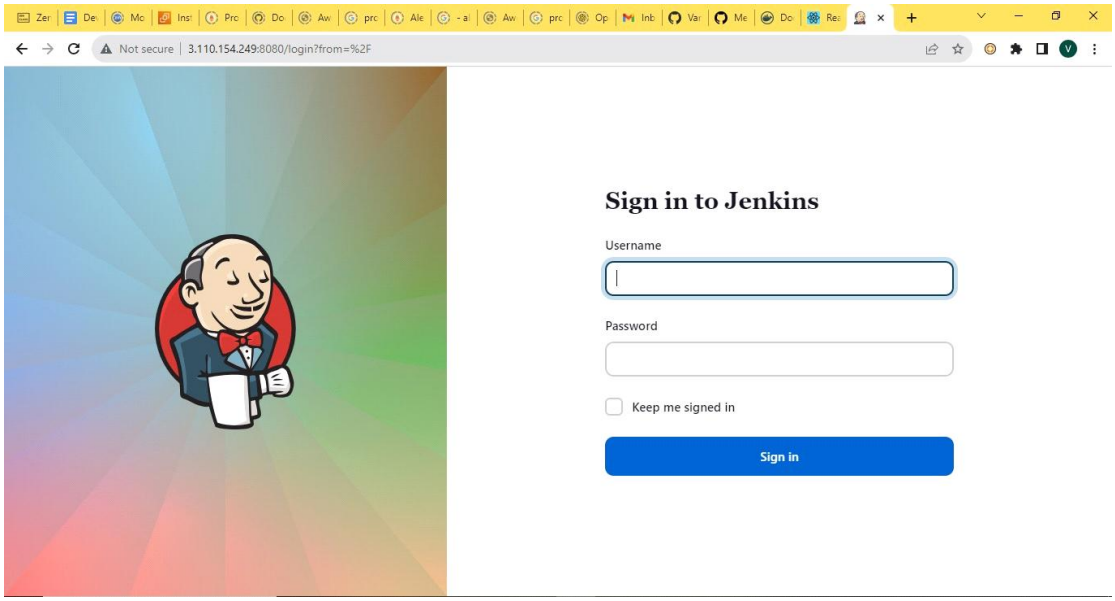
A document contains the screen shots of:

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

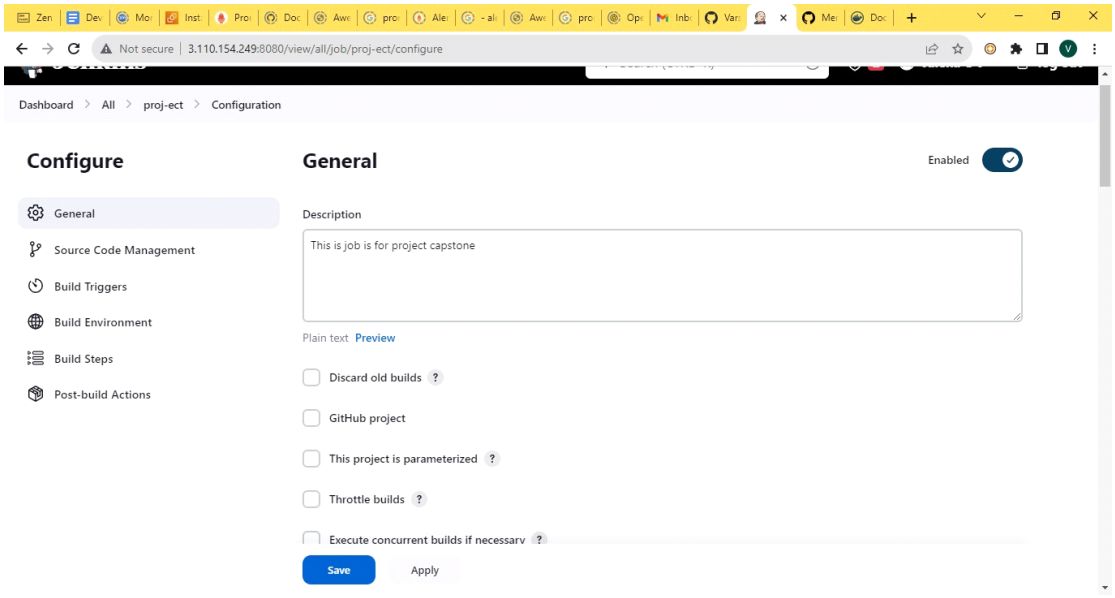
Docker images name : app1, dev, prod

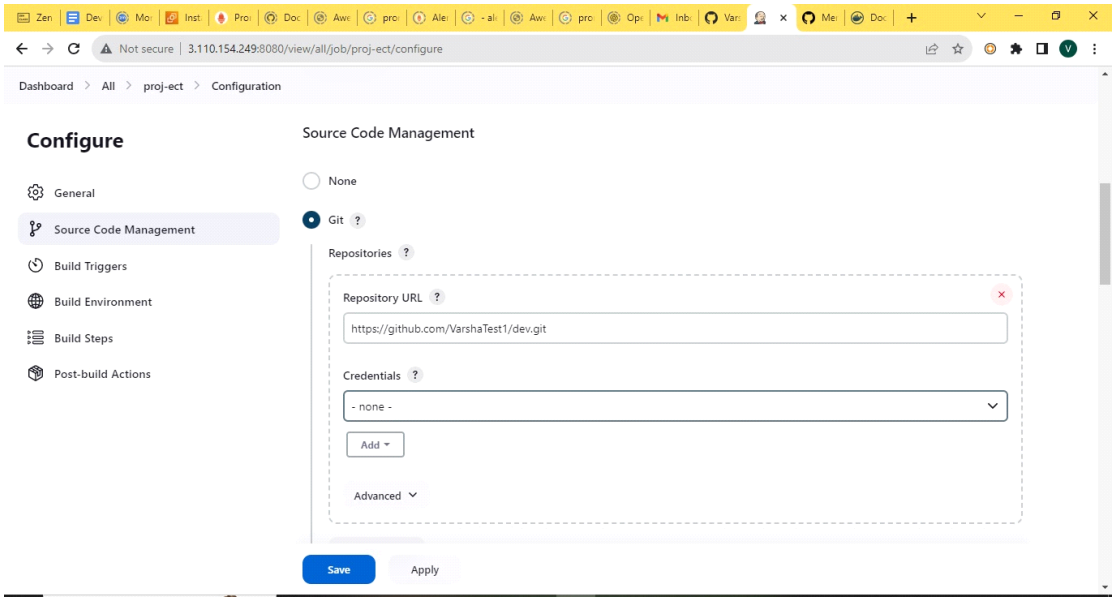
Docker tags :v1

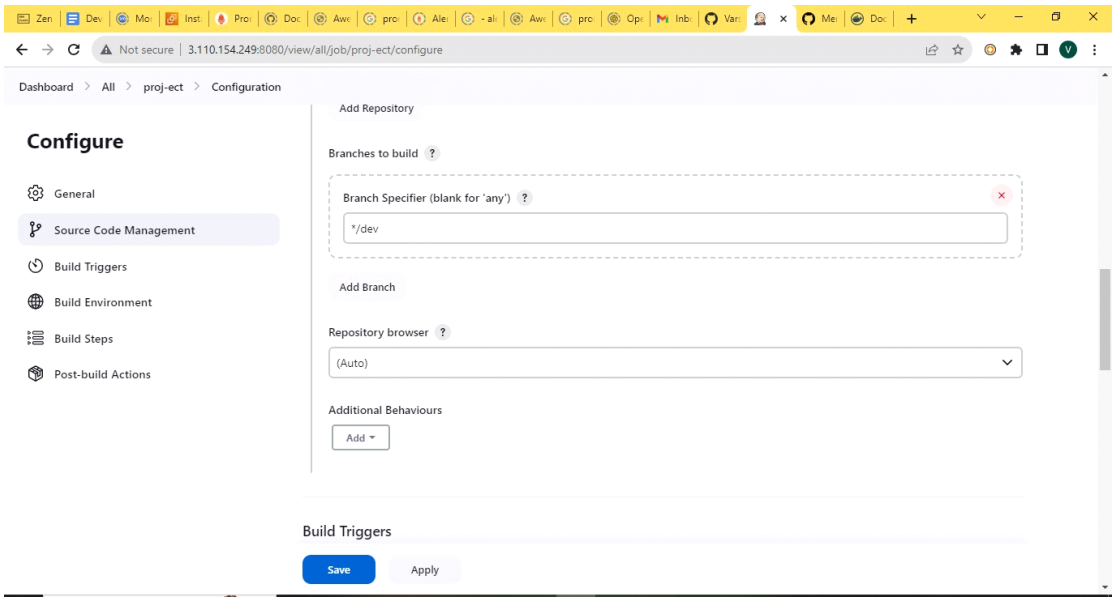
1. Jenkins Login Page



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:

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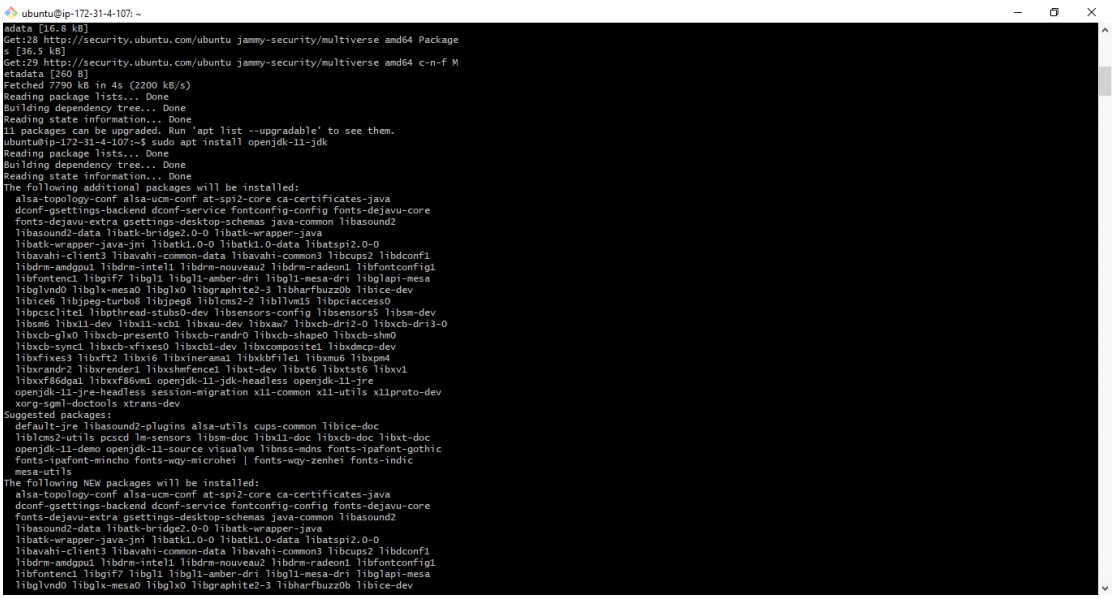
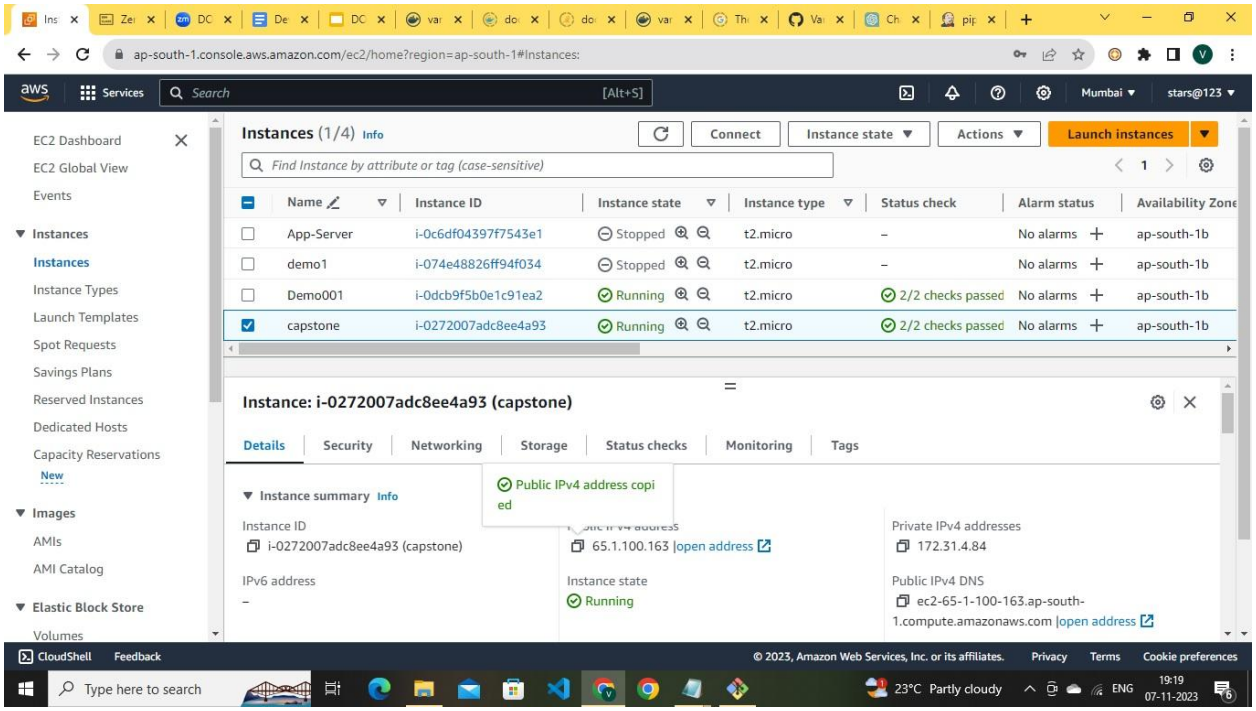
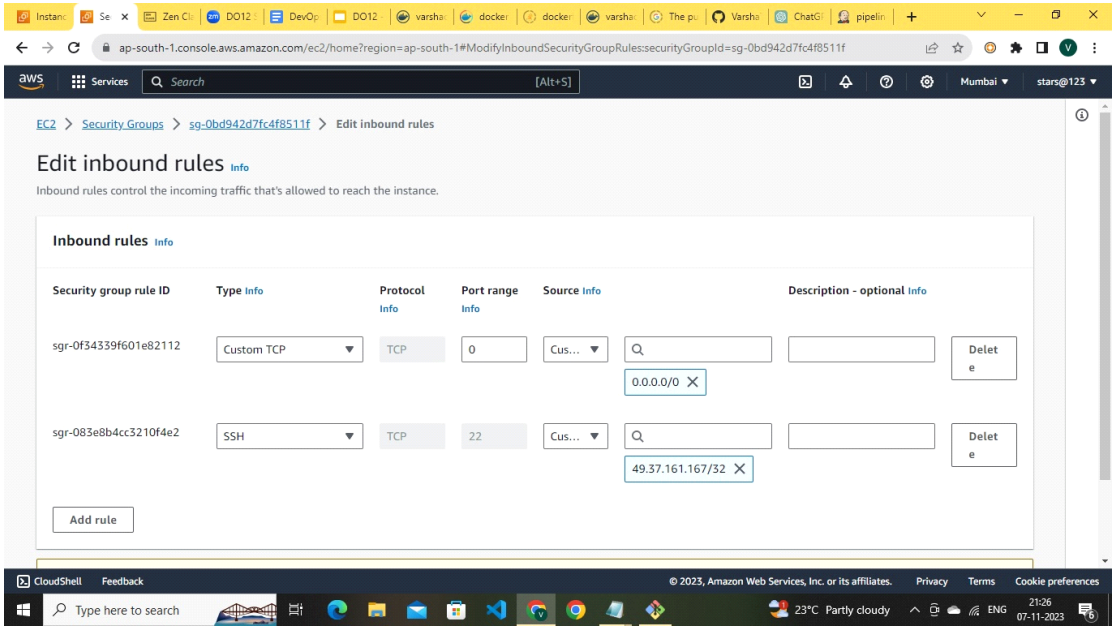
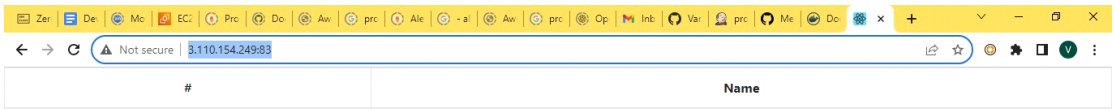


4. AWS EC2 Console,SG Configure



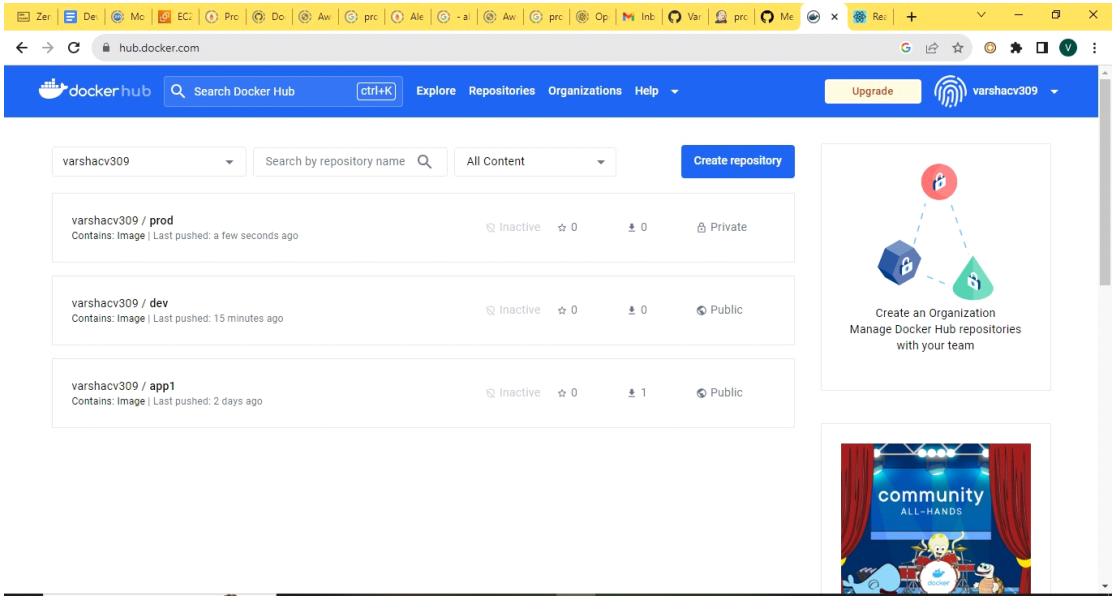


5. Deployed site page

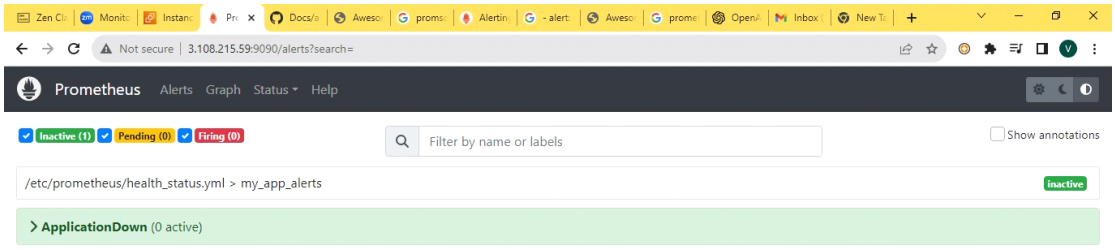


6.Docker hub repo with image tags

Docker images: app1, dev, prod



7. Monitoring health checkup



8.Jenkins Ready Page