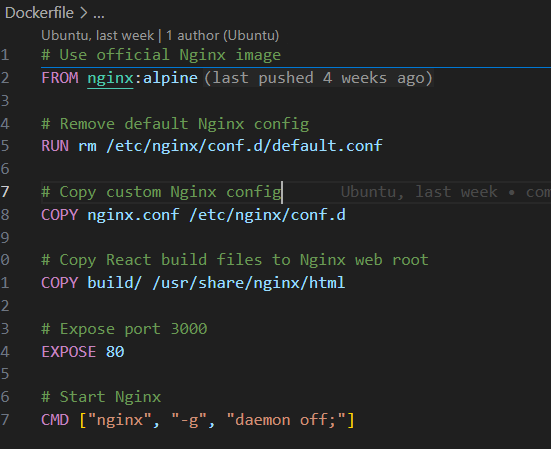
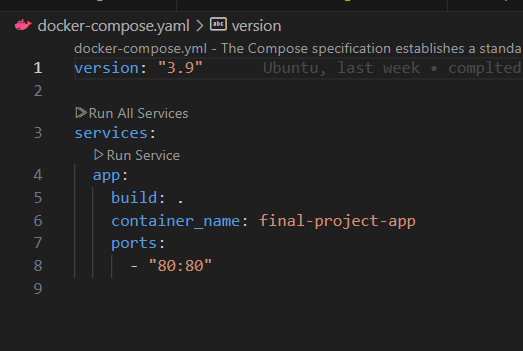
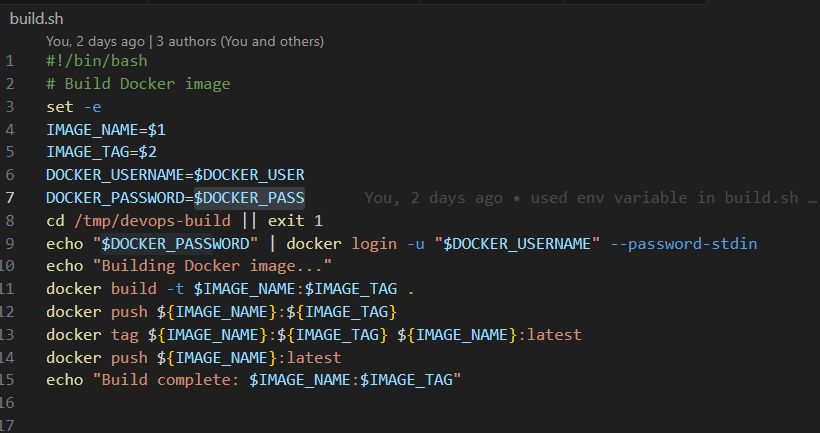
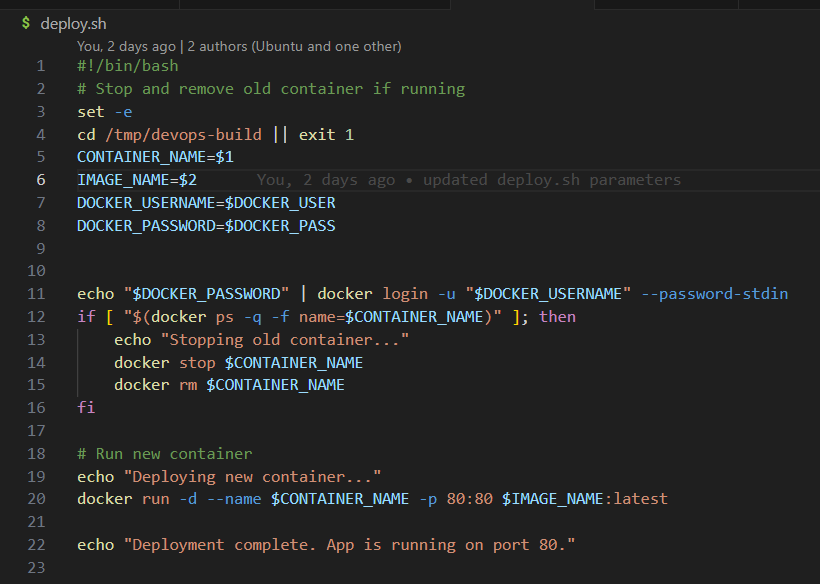
**Docker**





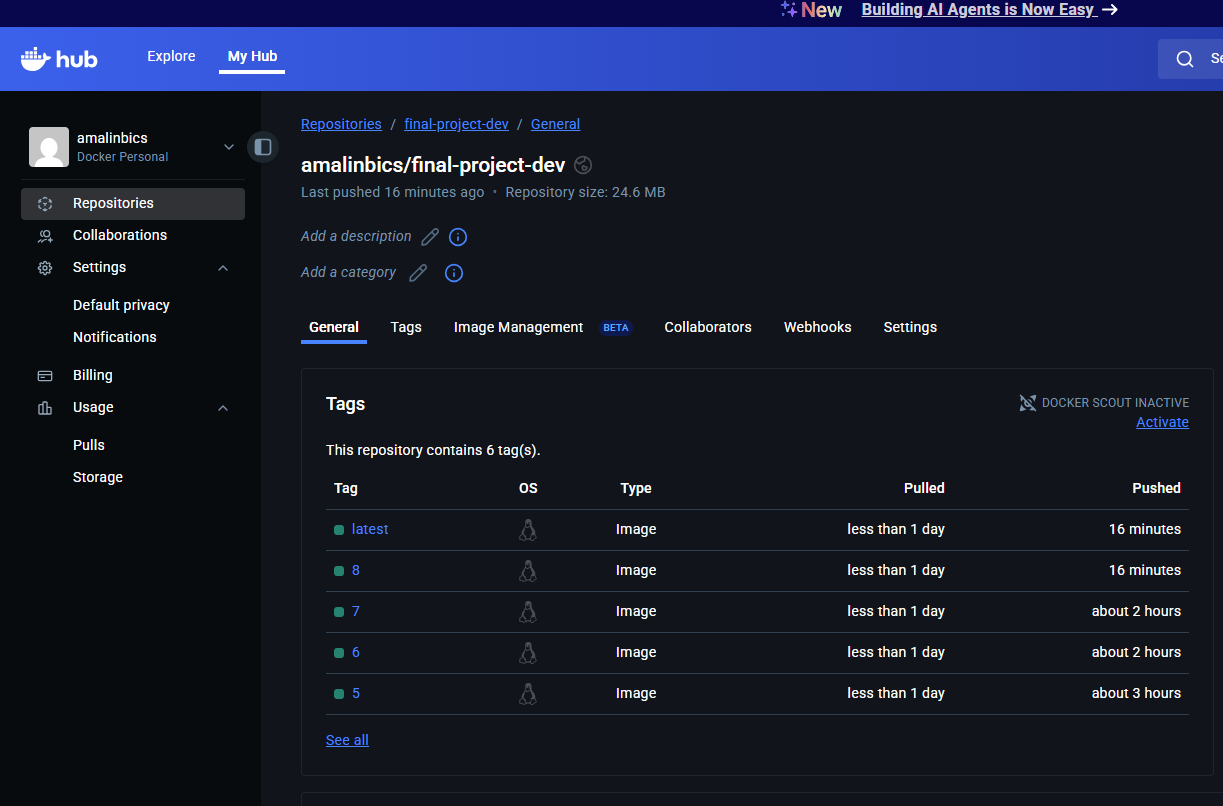
**Bash Scripting**

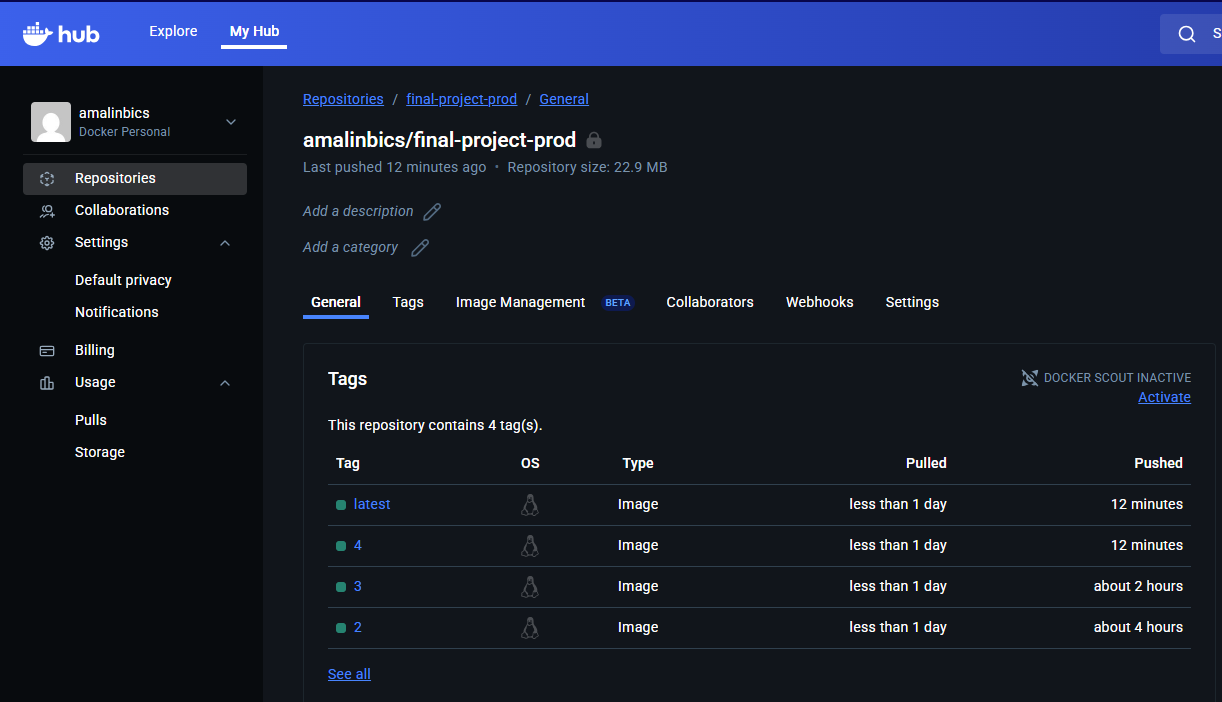




**Docker Hub:**

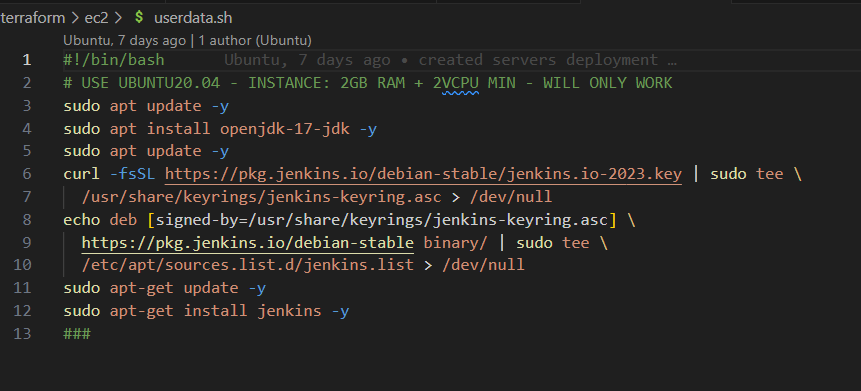


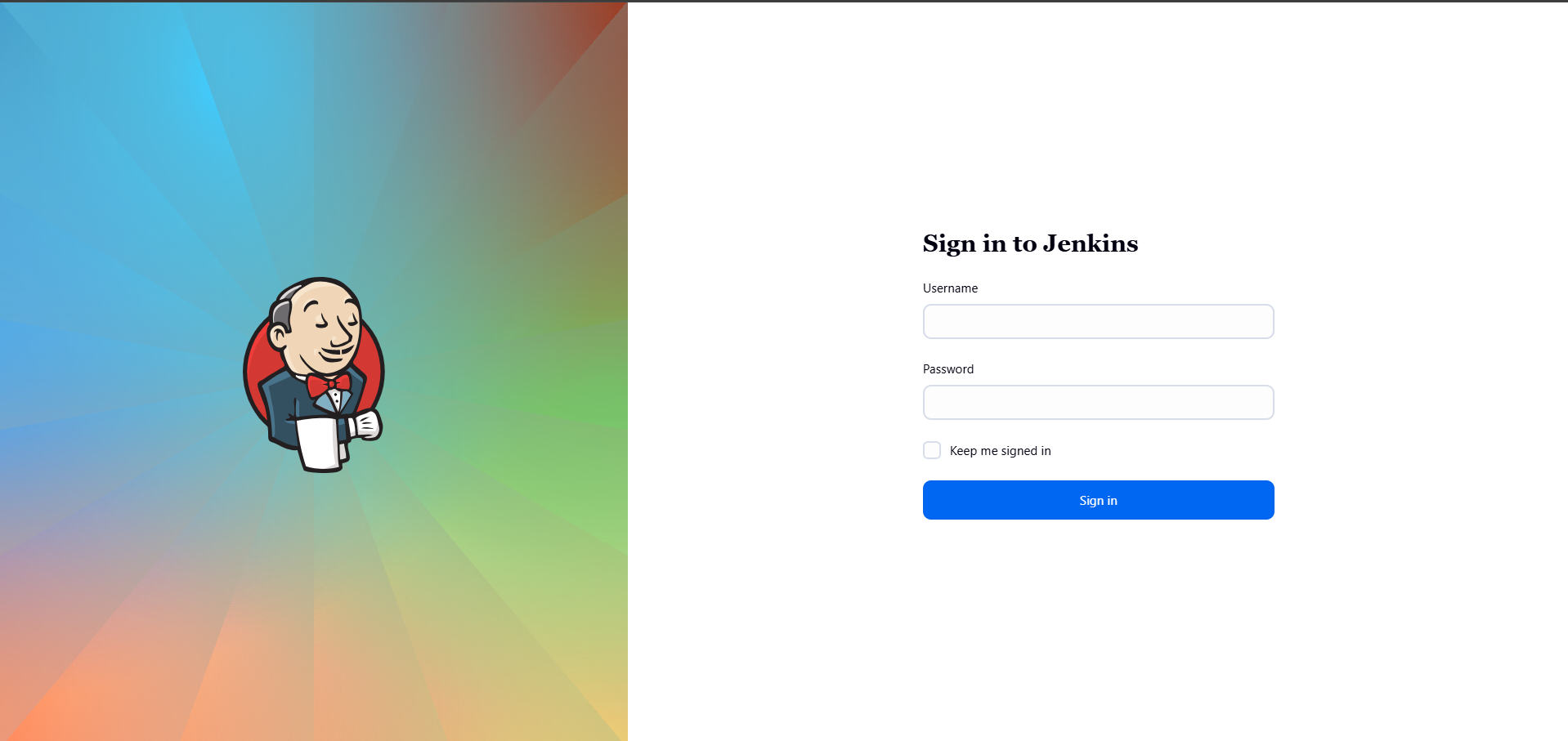




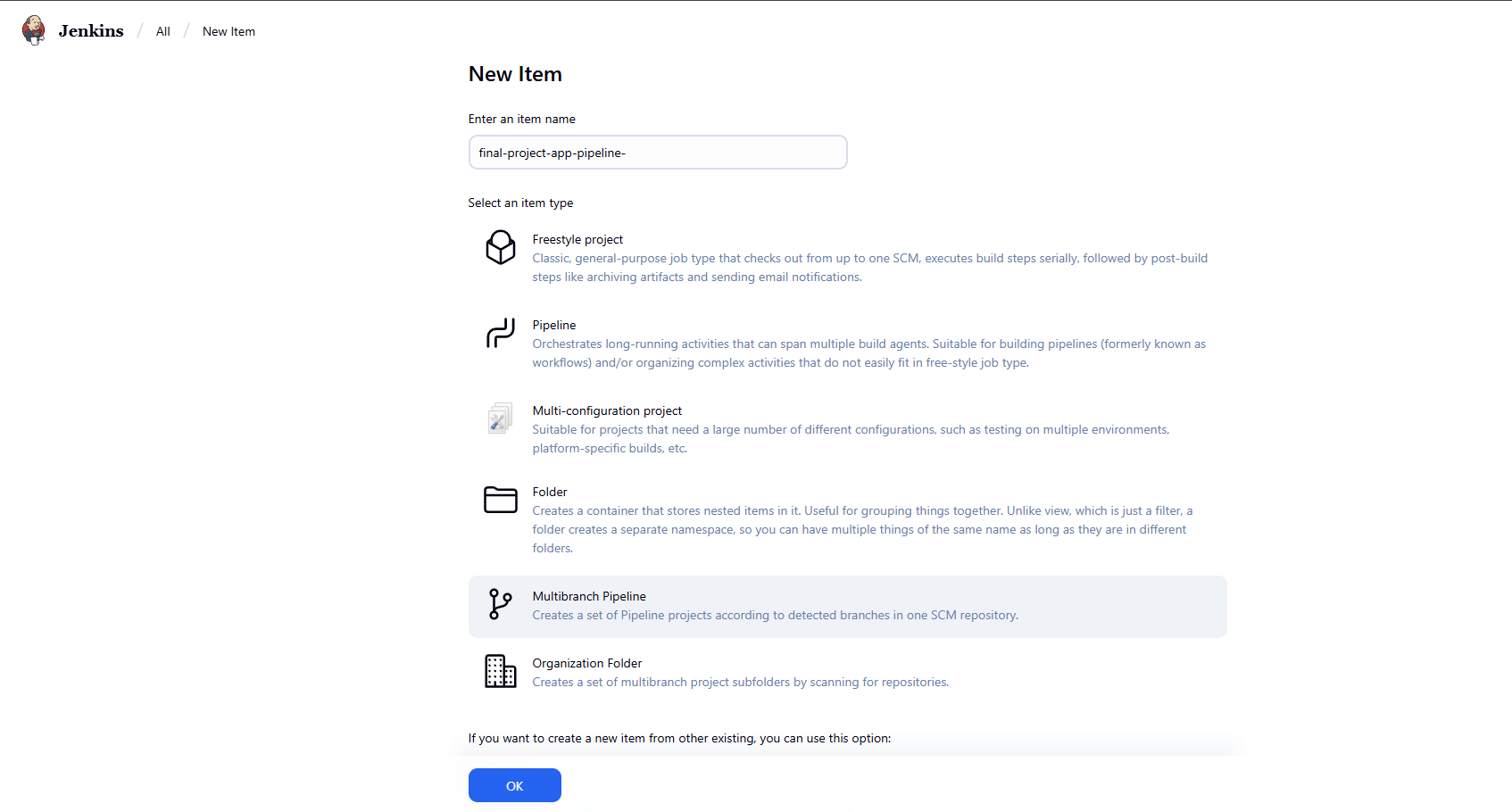
**Jenkins**

* Execute the below script to install jenkins



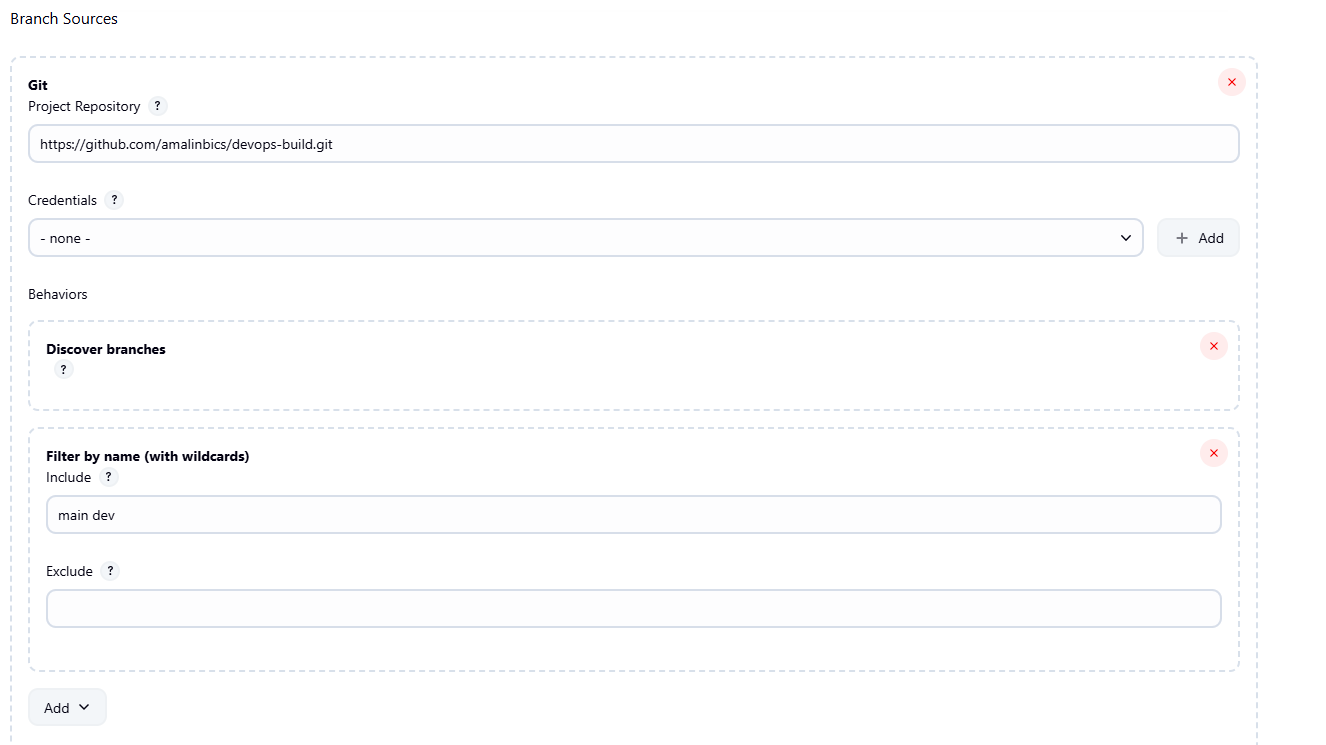


* Login to jenkins server
* Click on New Item
* Enter the item name "final-project-app-pipeline"
* Select item type "Multibranch Pipeline"
* Click Ok

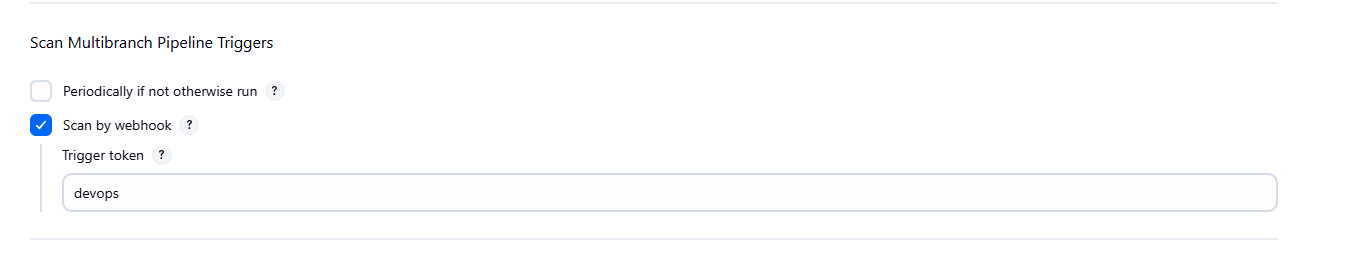


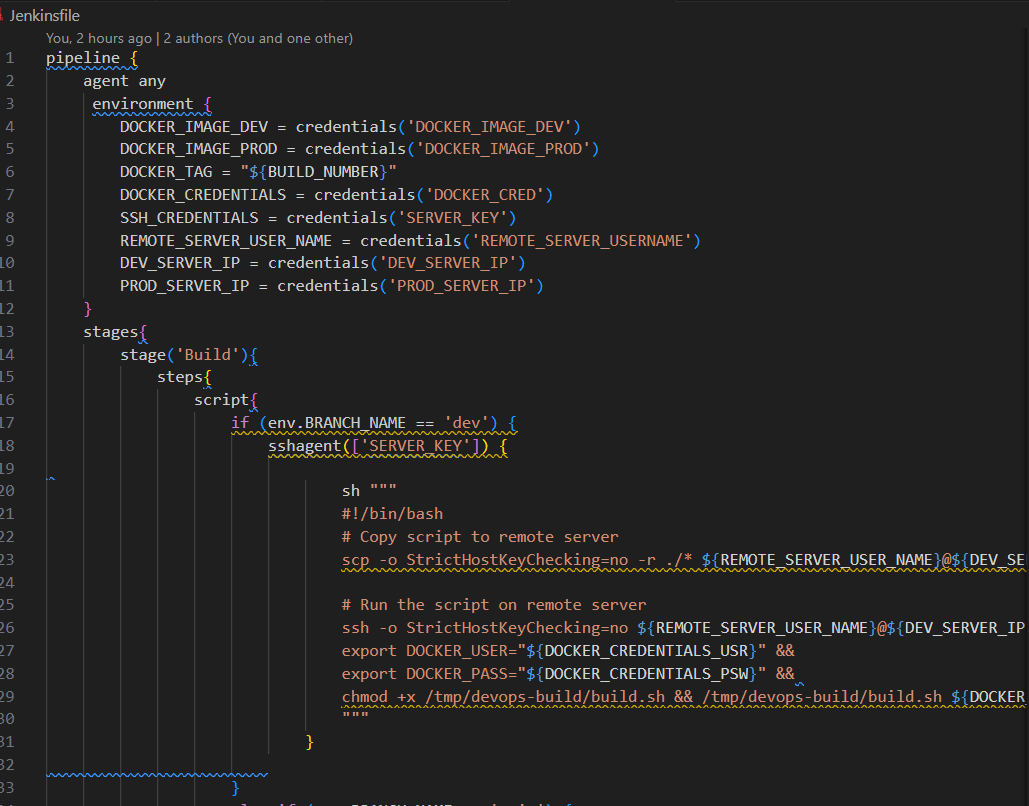
**Pipeline Configuration**

* Click on Add Source
* Select Git and paste the repo url
* Under Behaviors
* Select Filter by name
* Enter the branch names like main dev

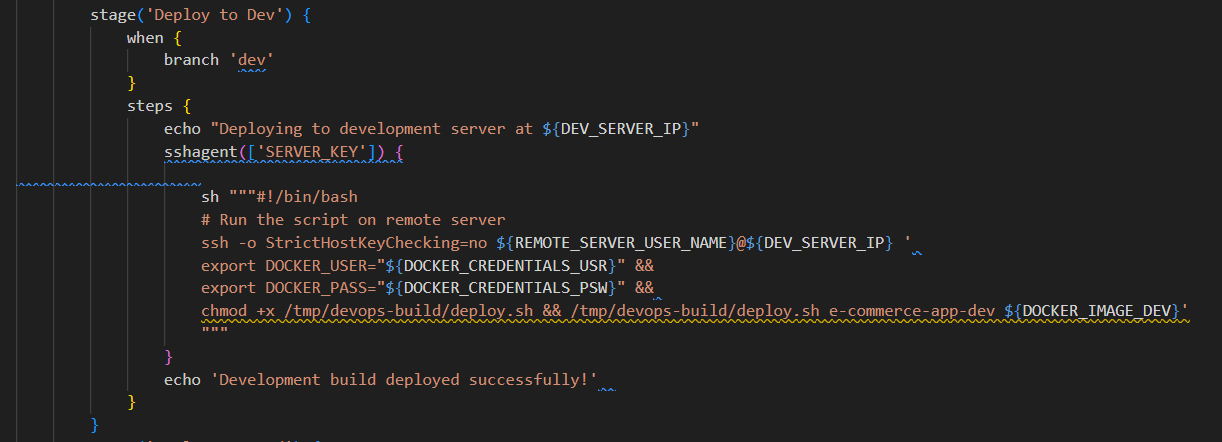


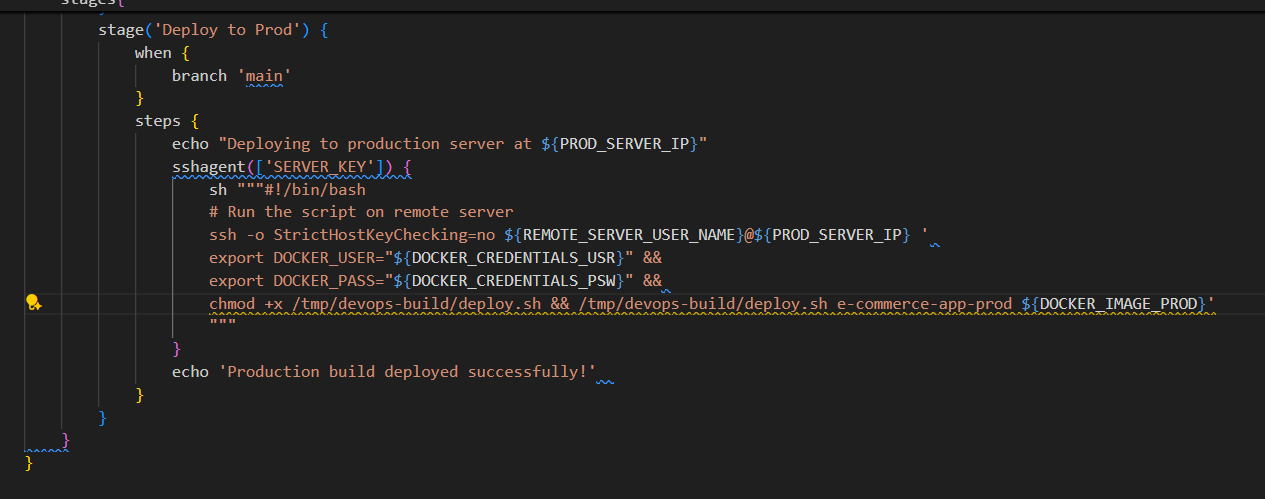
* Tigger the builds automatically
* Check San by webhook
* Enter a token name
* Save configuration



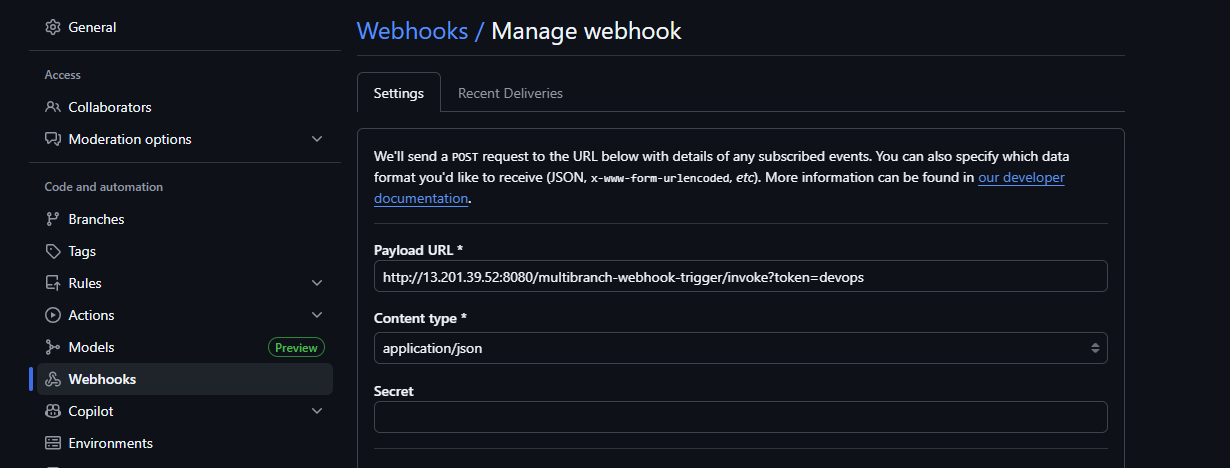


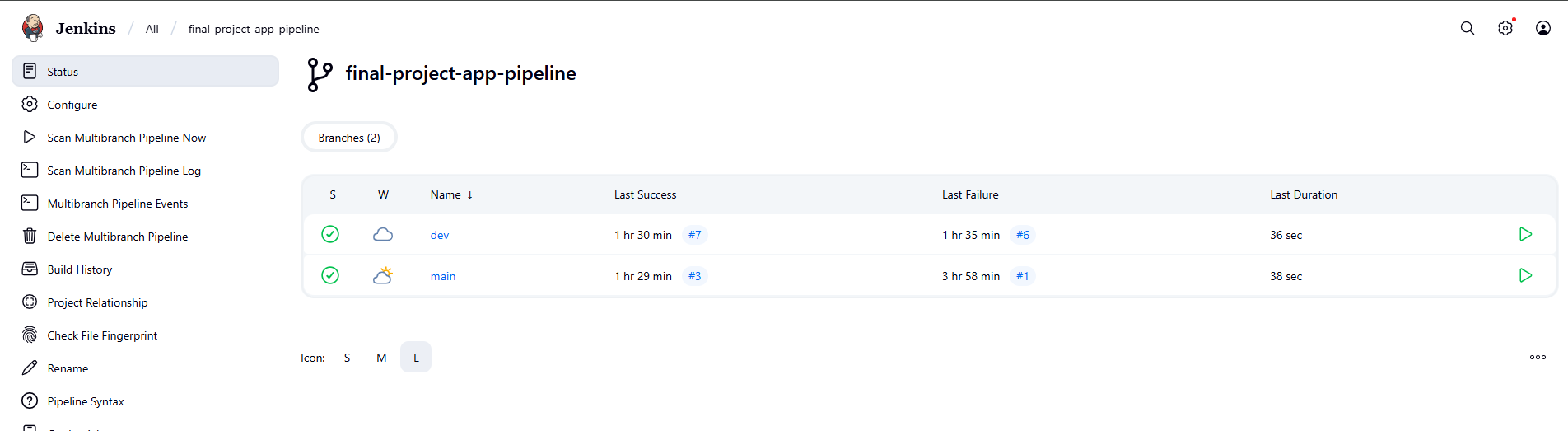




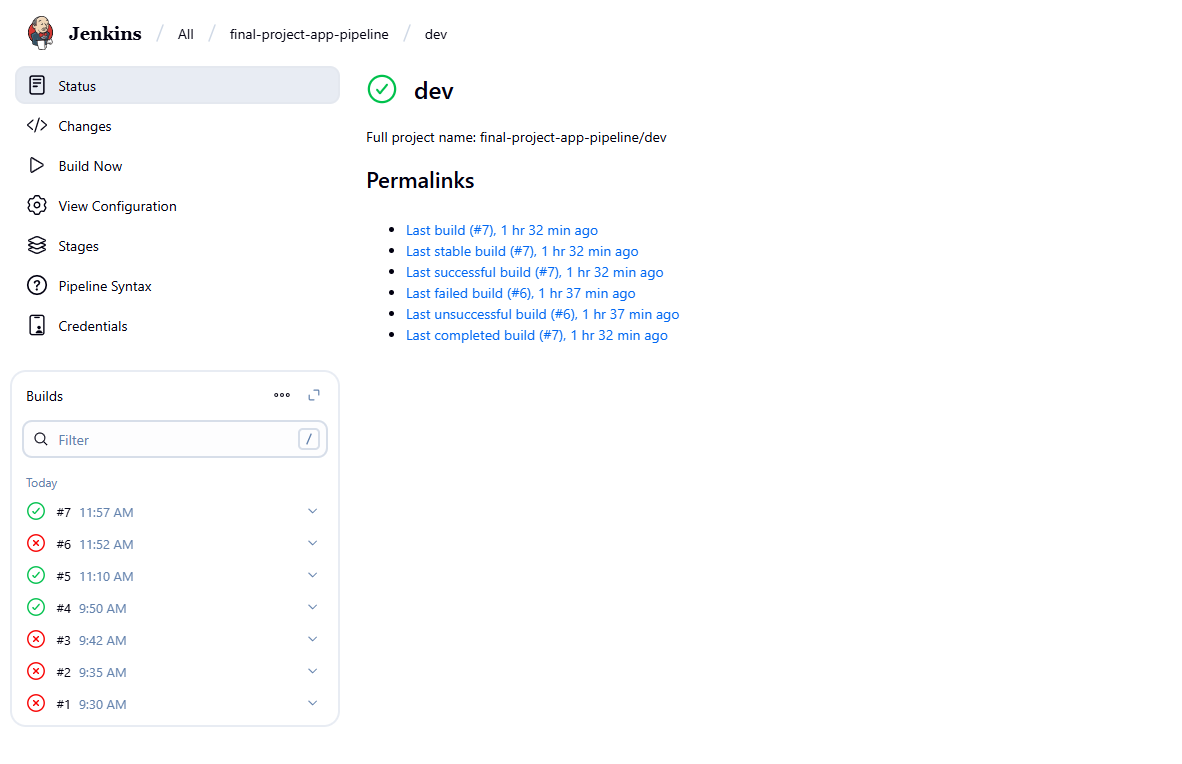


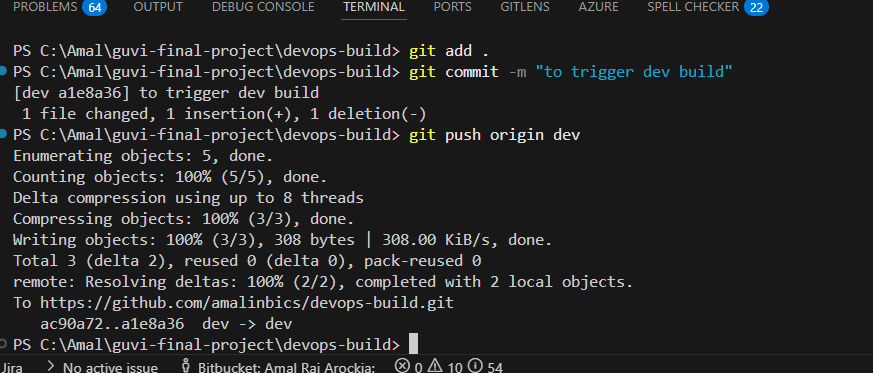
* Go to the github repository
* Go to setting
* Click on Webhooks
* [http://jenkisn-ip:8080/multibranch-webhook-trigger/invoke?token=devops](http://13.201.39.52:8080/multibranch-webhook-trigger/invoke?token=devops) enter this URL in the Payload URL input box
* Select content type as application/json
* Click Update webhooks

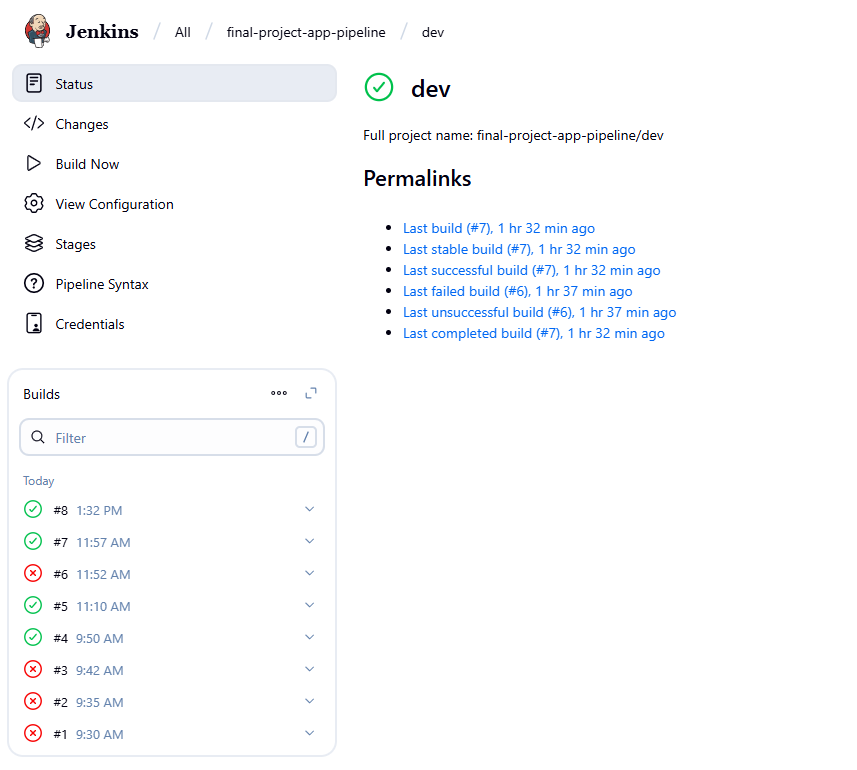


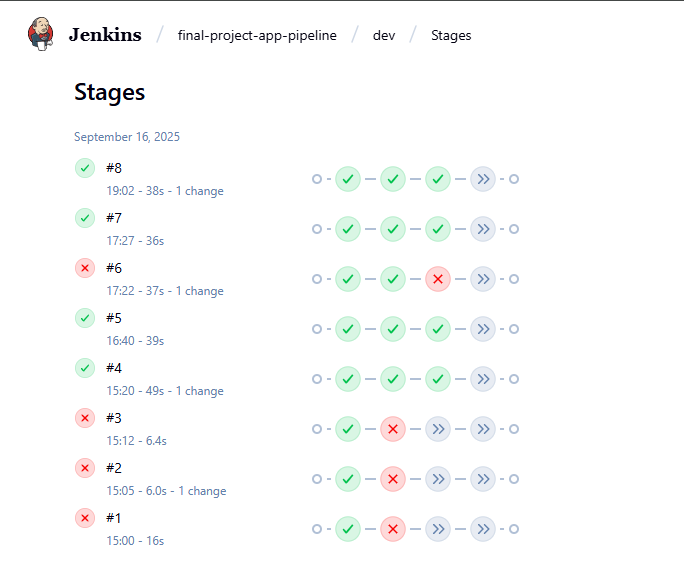


Dev Branch

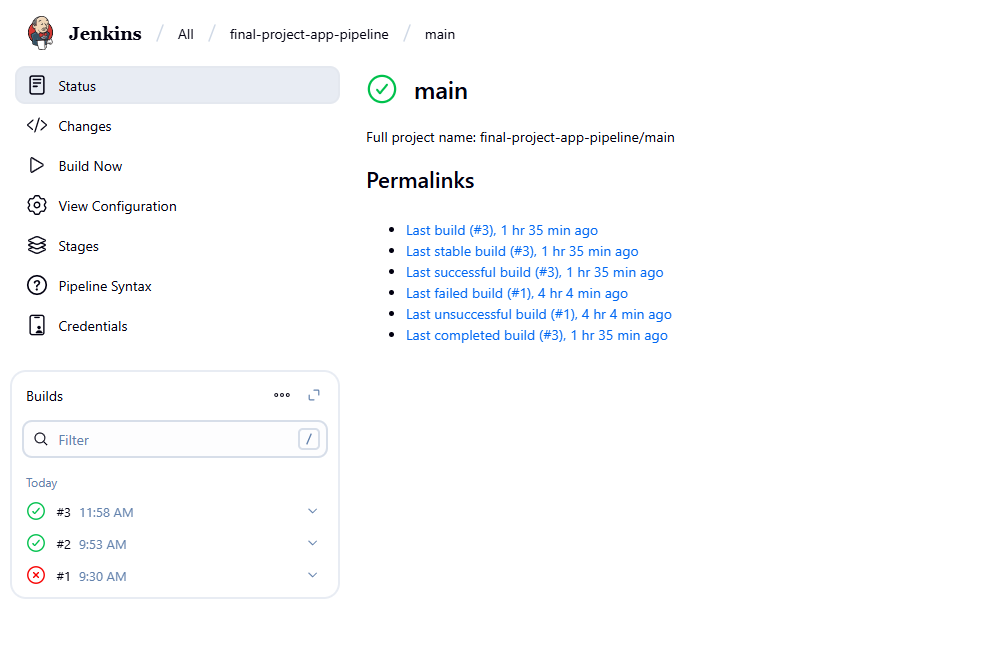


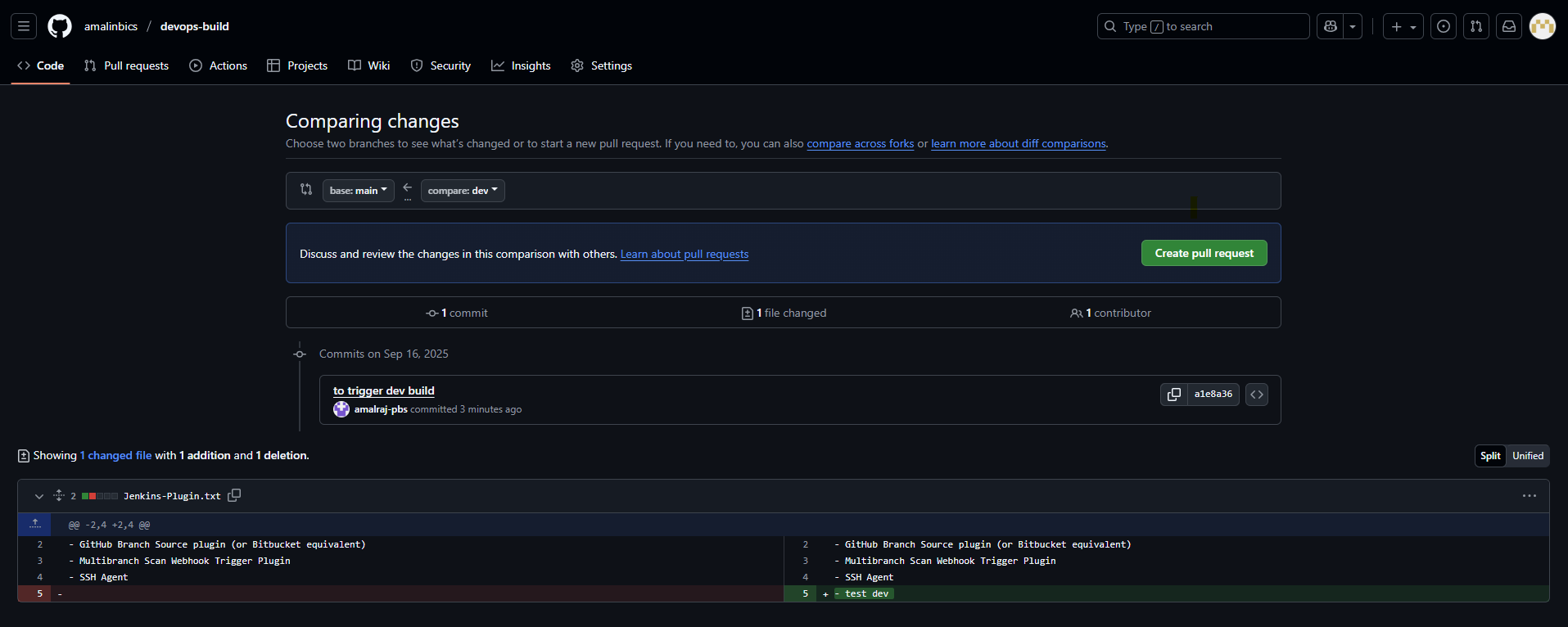


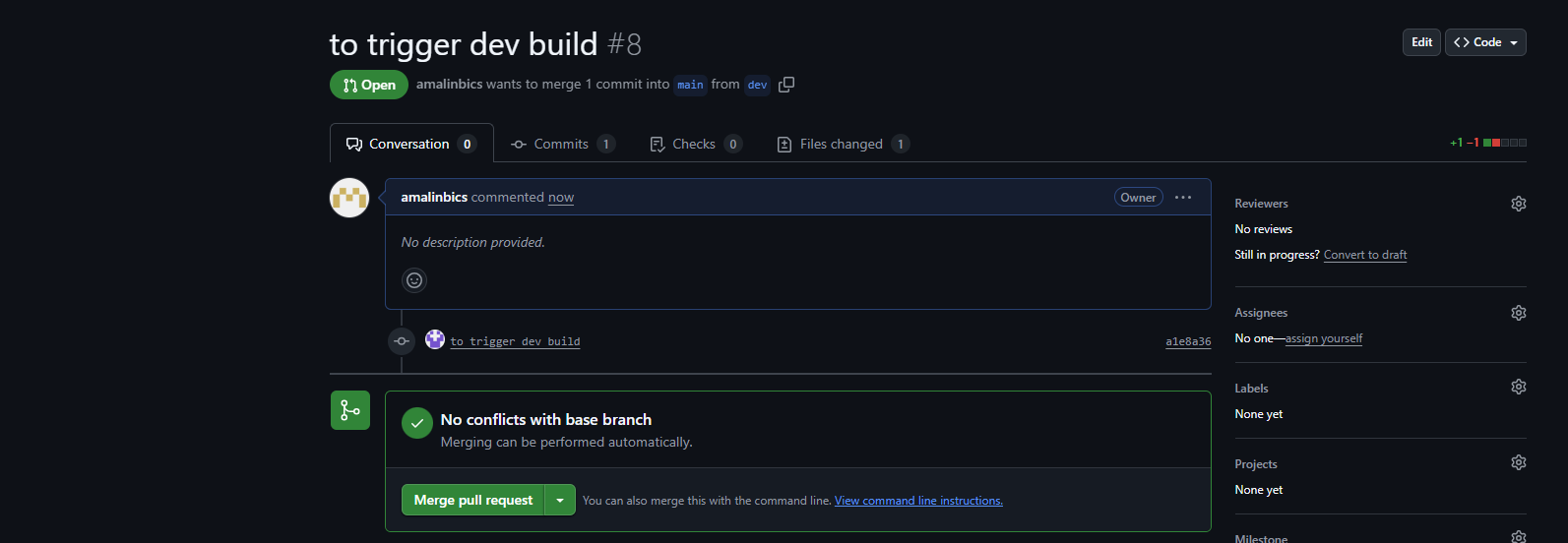


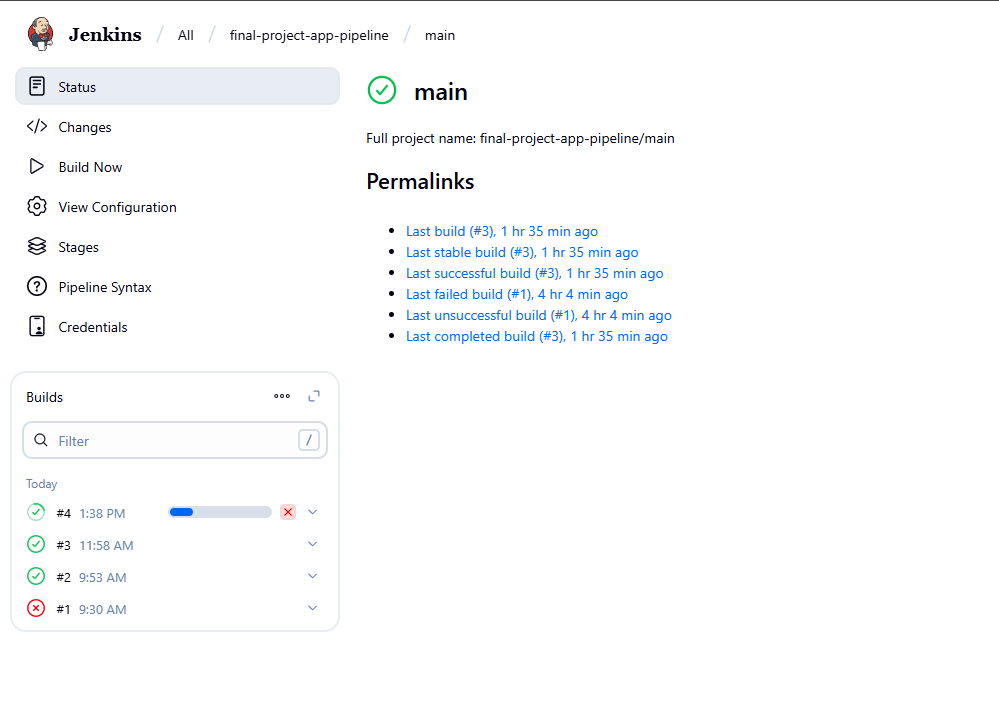


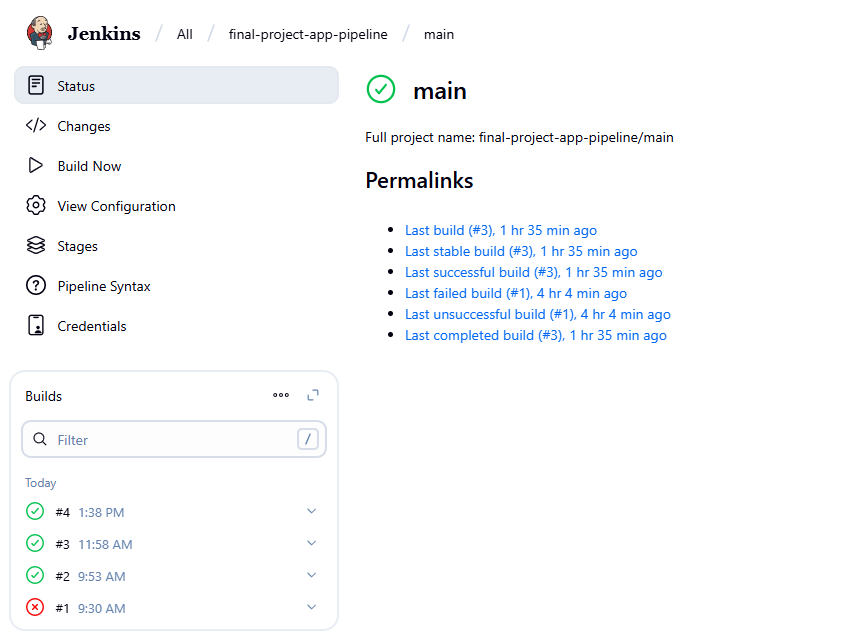
Main Branch

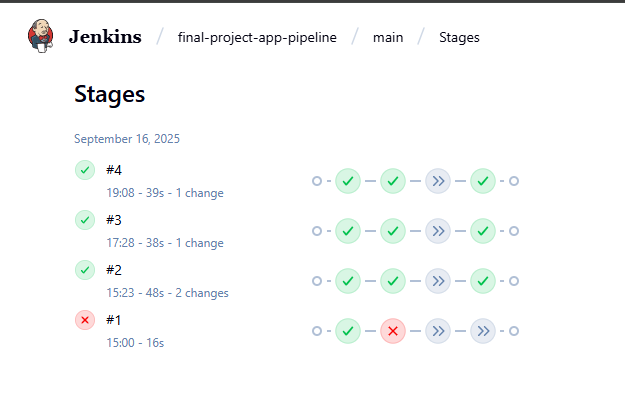


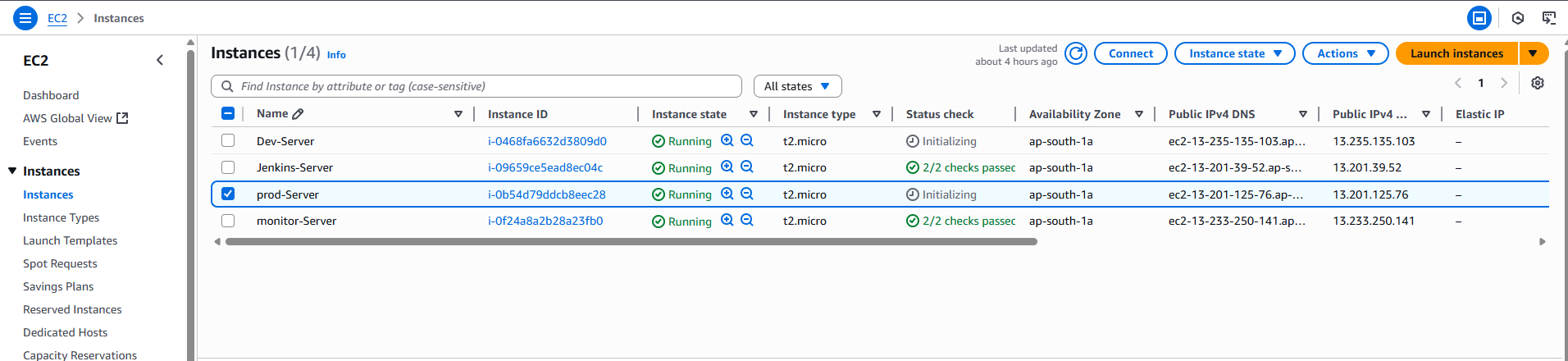


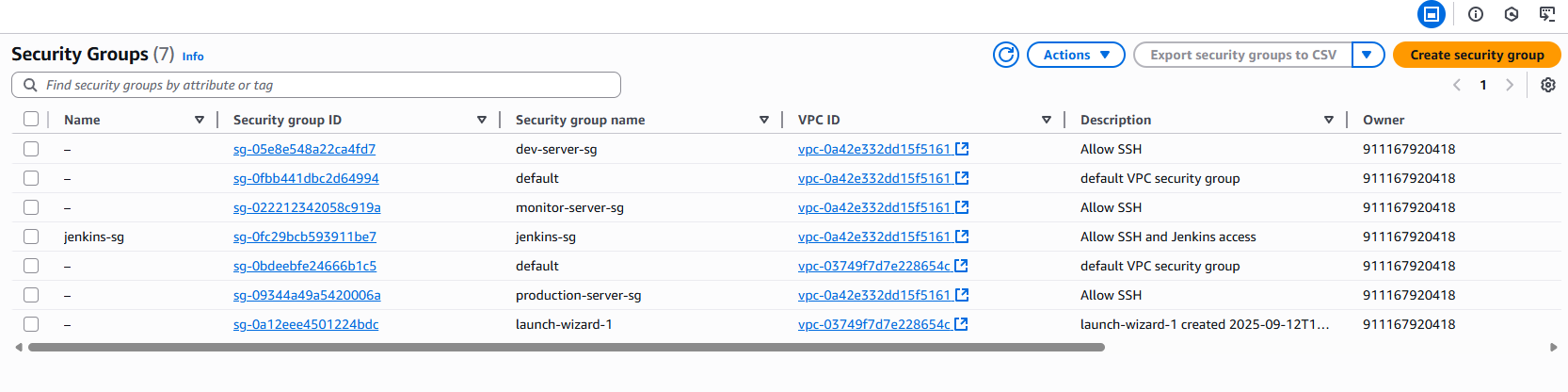


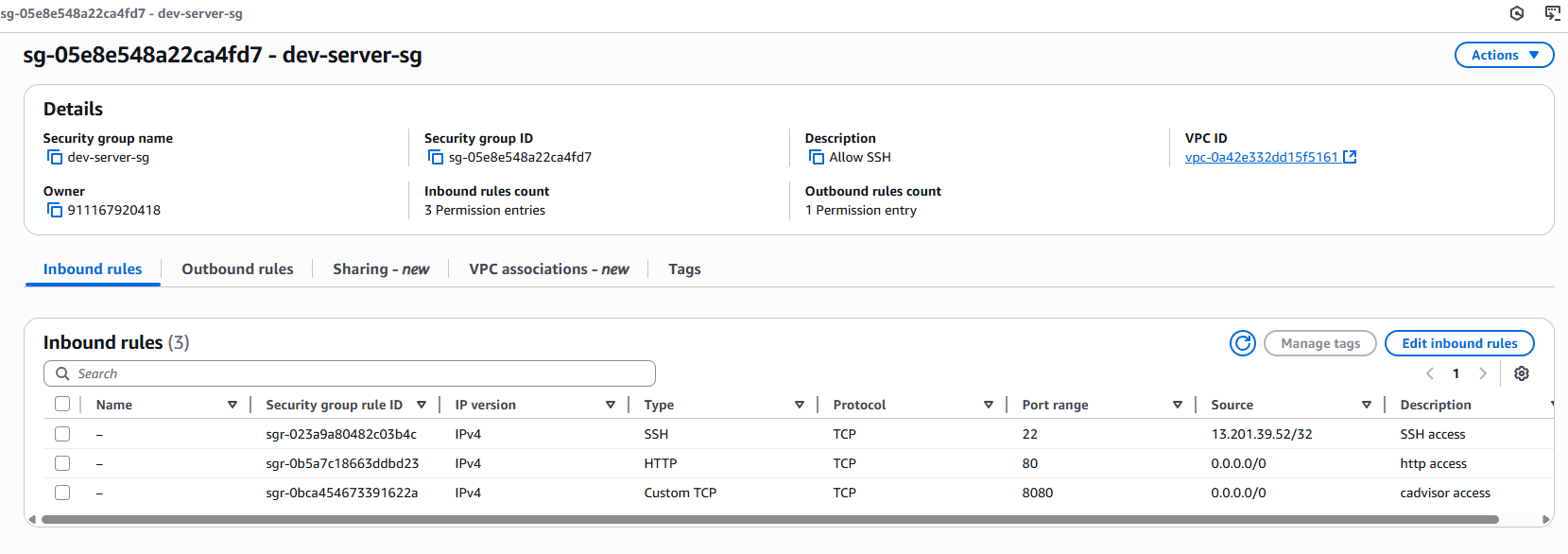


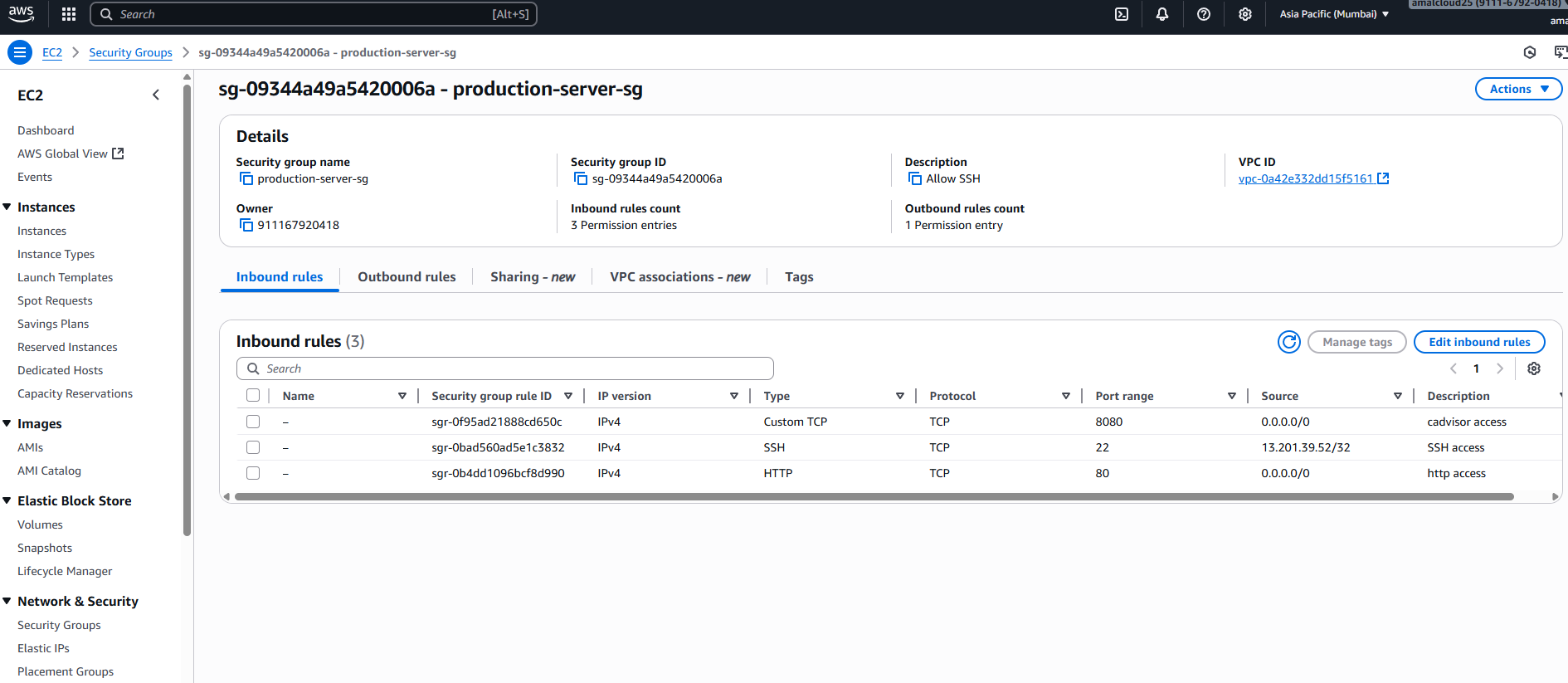


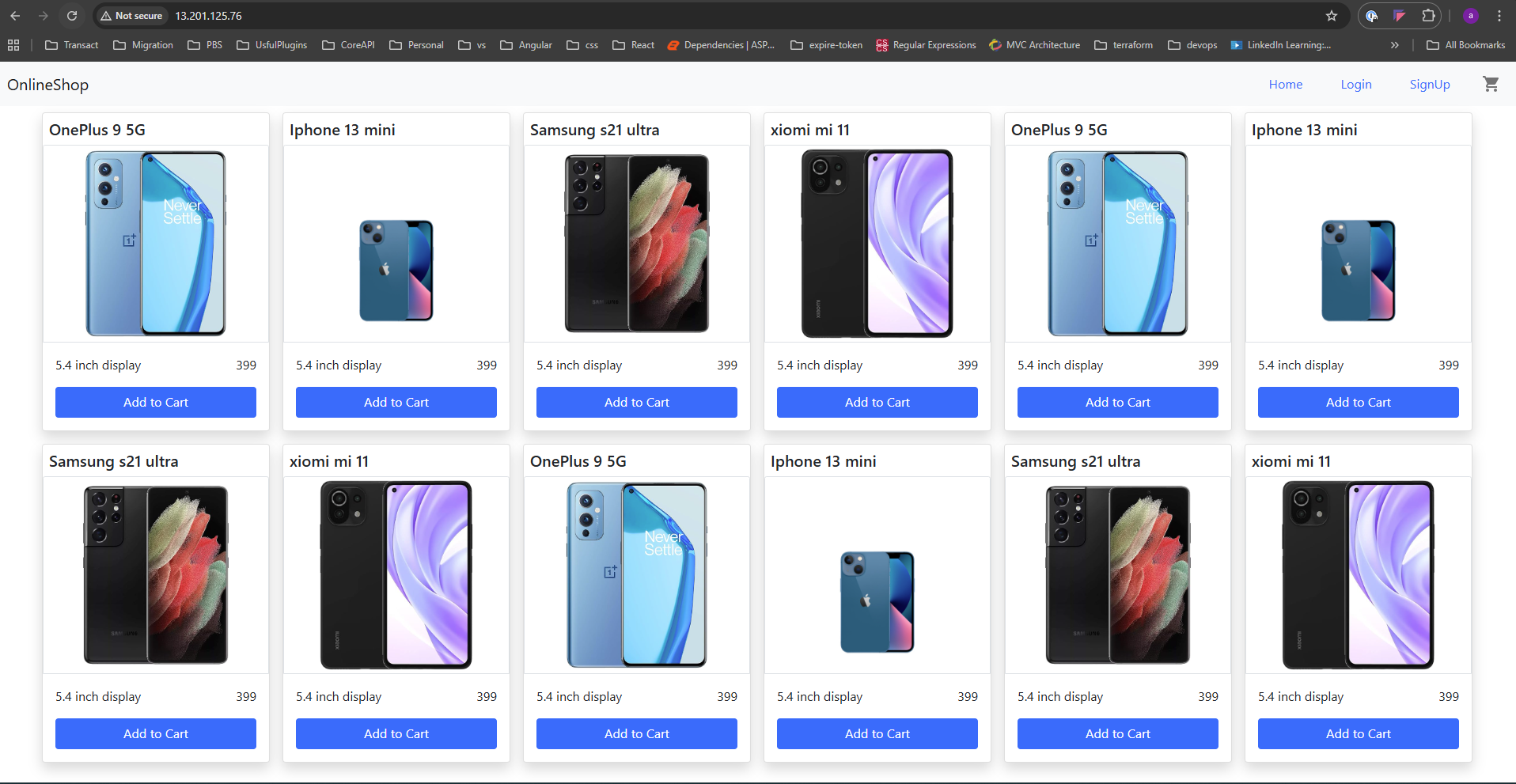


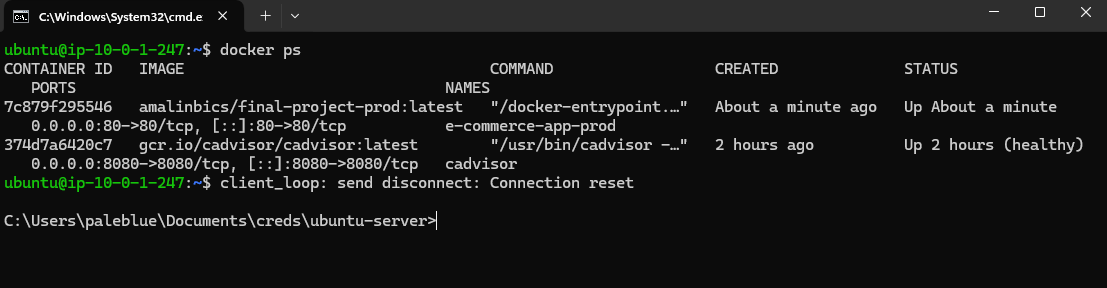


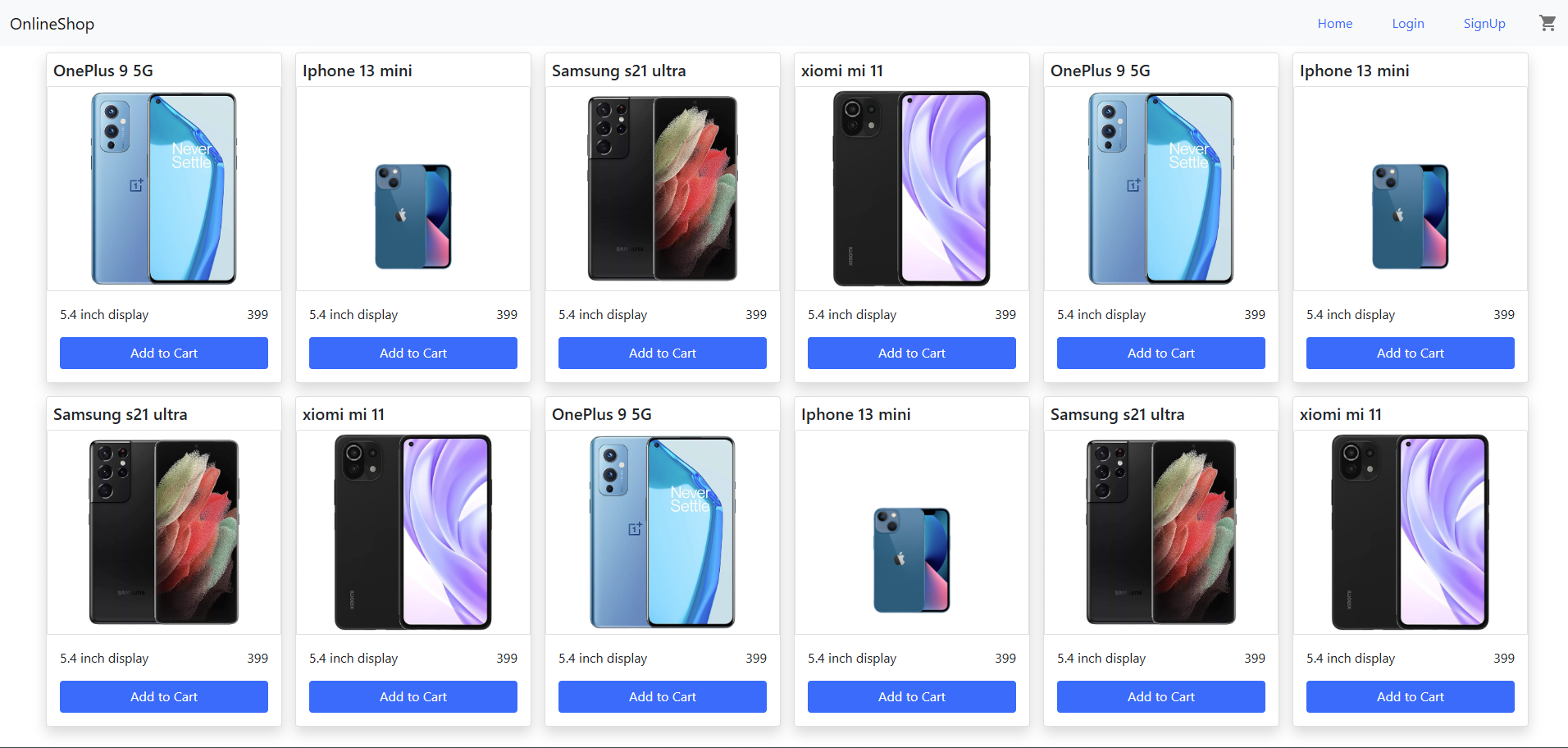


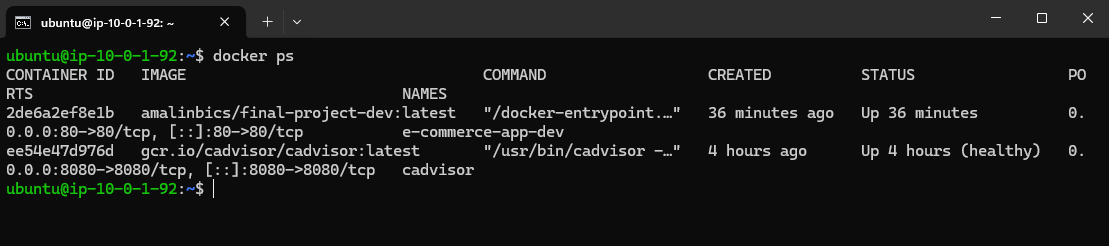










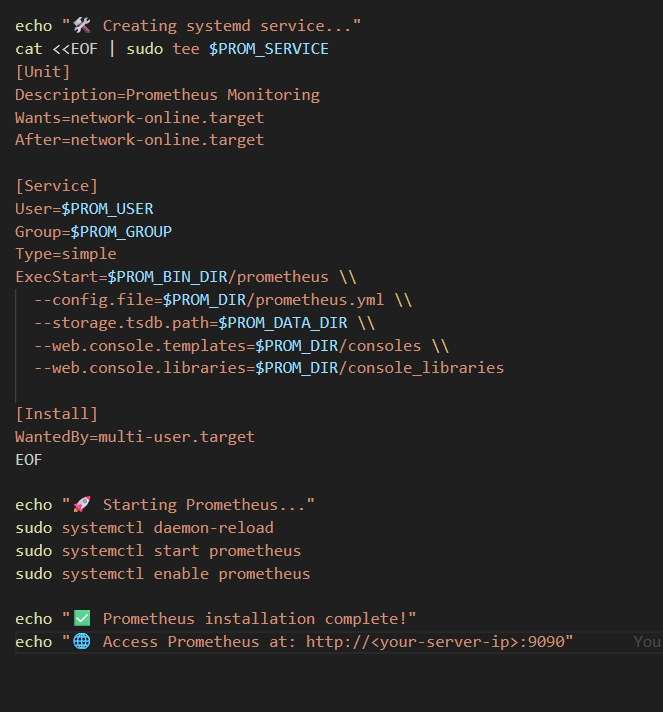


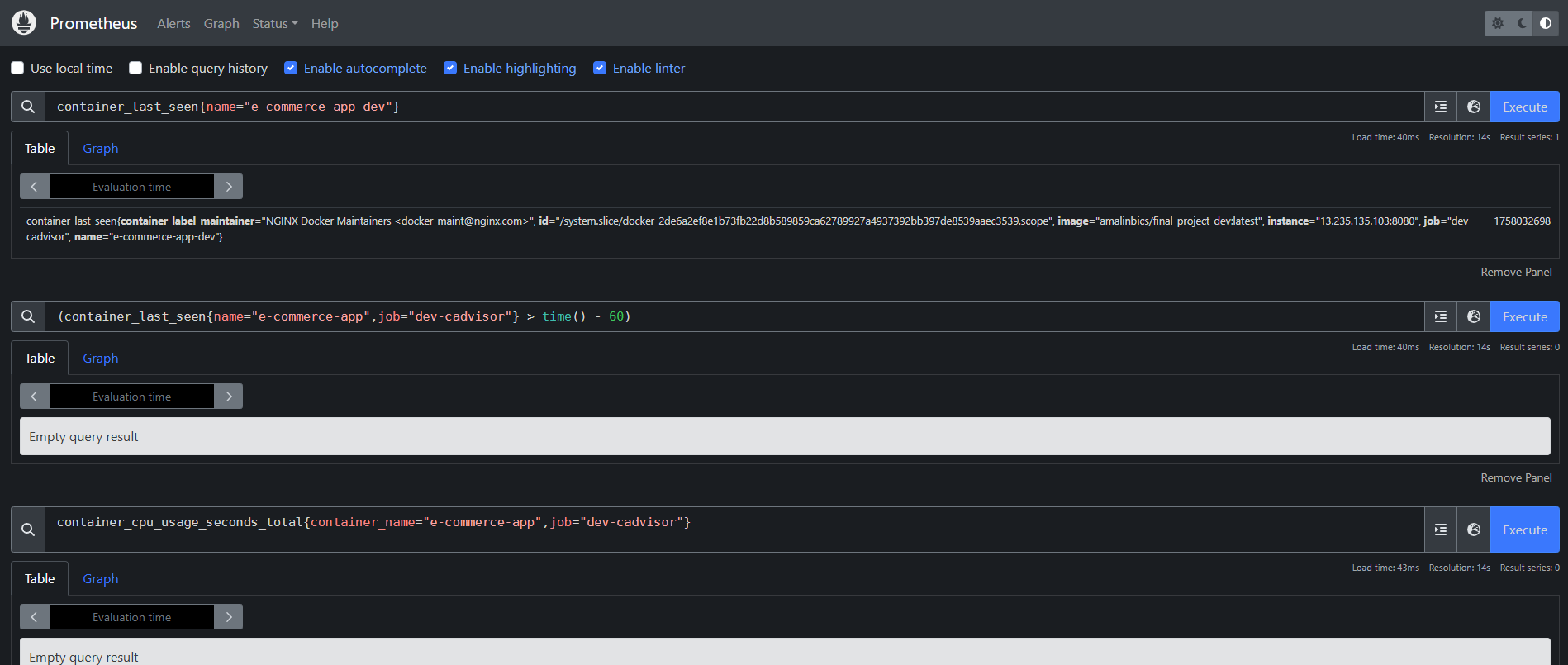
**Monitoring**

I used prometheus, grafana and cadvisor to monitor docker container

**Prometheus Installation**







Grafana Installation

