DevOps Day-3

#DOCKER COMMANDS FOR UBUNTU

$ sudo apt update -y

$ sudo apt install docker -y

$ sudo service docker start (or) sudo systemctl start docker

$ sudo service docker enable (or) sudo systemctl enable docker

DOCKER COMPOSE

Docker Compose is a tool that allows you to define and manage multicontainer Docker applications. It simplifies the process of running multiple containers, their configurations, and their interdependencies. Compose uses a YAML file to define the services, networks, and volumes required for your application.

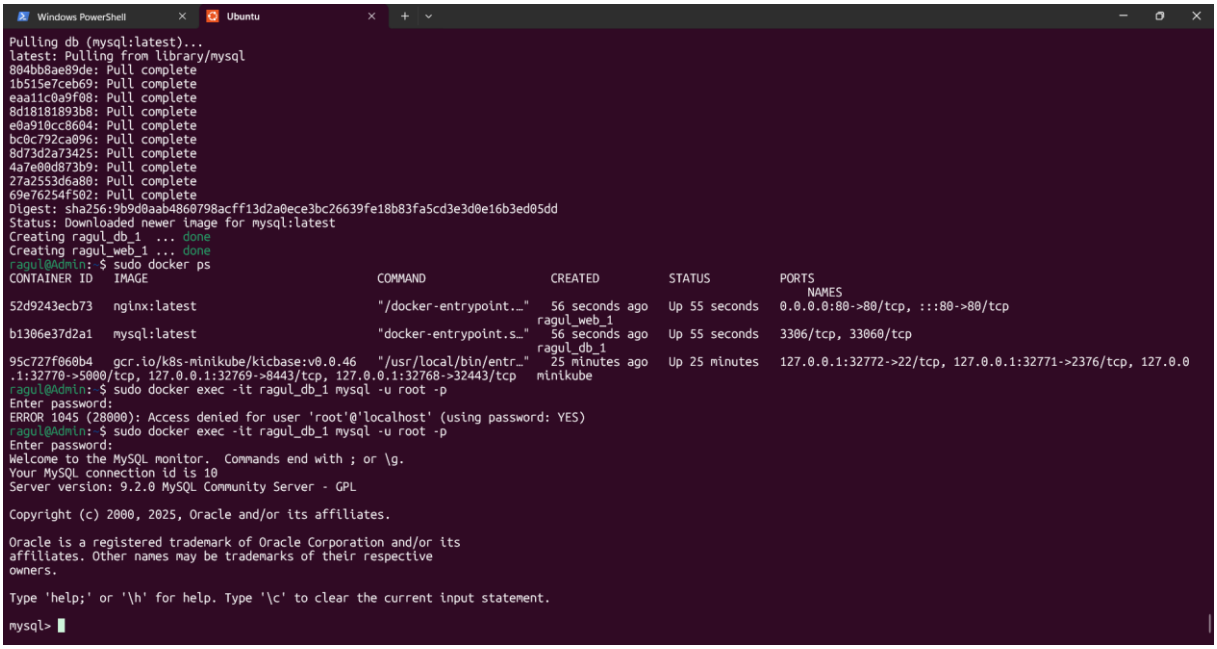
Docker Compose is a tool which is used to manage multi container-based applications.

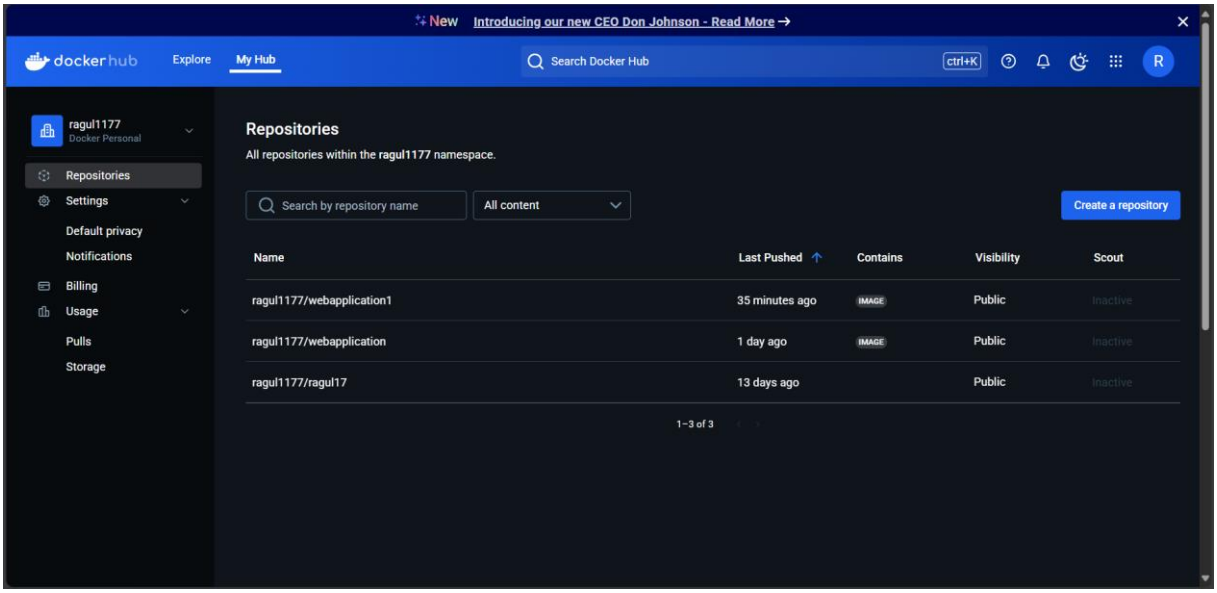
Using Docker Compose we can easily setup & deploy multi containerbased applications.

We will give containers information to Docker Compose using YML file (docker-compose.yml)

Docker Compose YML should have all the information related to containers creation.

Docker Compose YML File Looks Like:





Installed Kubectl using :

curl -LO "https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

chmod +x kubectl mkdir -p

~/.local/bin mv ./kubectl

~/.local/bin/kubectl

 # and then append (or prepend) ~/.local/bin to $PATH

kubectl version --client --output=yaml

Minikube Installation:

sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikubelinux-amd64

minikube start minikube

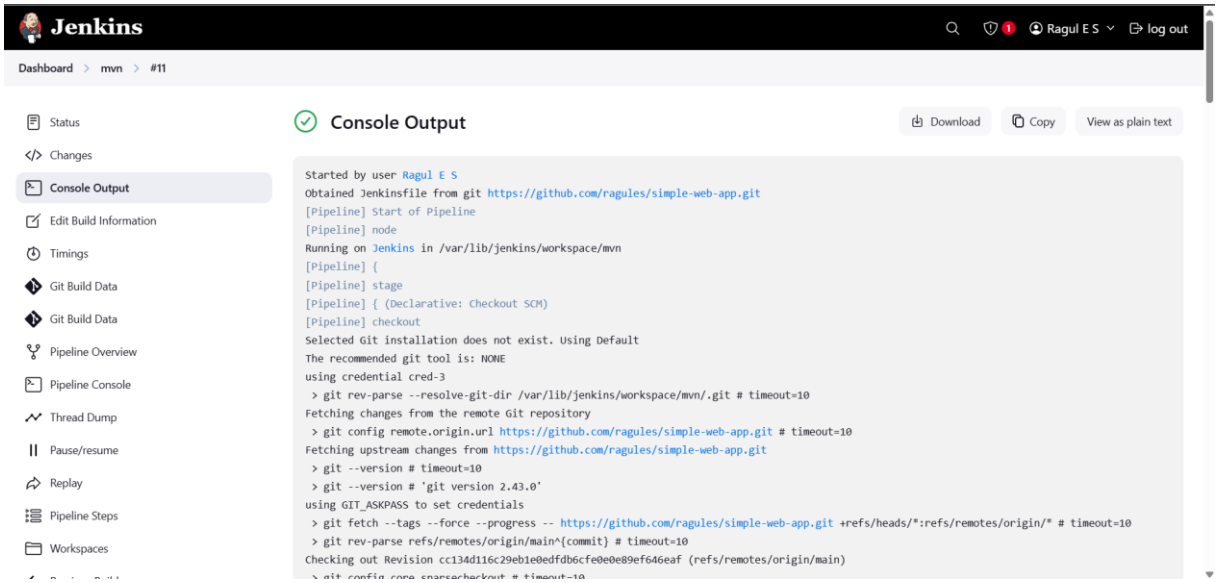
status

kubectl get pod

kubeclt get deploy

kubectl get replica kubectl

get pod -o wide


Jenkins
Ragul E S
log out
Dashboard
mvn
#11
Status
Changes
Console Output
Edit Build Information
Timings
Git Build Data
Git Build Data
Pipeline Overview
Pipeline Console
Thread Dump
Pause/resume
Replay
Pipeline Steps
Workspaces
Console Output
Download
Copy
View as plain text
Started by user Ragul E S
Obtained Jenkinsfile from git https://github.com/ragules/simple-web-app.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/mvn
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential cred-3
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/mvn/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/ragules/simple-web-app.git # timeout=10
Fetching upstream changes from https://github.com/ragules/simple-web-app.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
using GIT_ASKPASS to set credentials
> git fetch --tags --force --progress -- https://github.com/ragules/simple-web-app.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision cc134d116c29eb1e0edfdb6cfe0e0e89ef646eaf (refs/remotes/origin/main)