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.

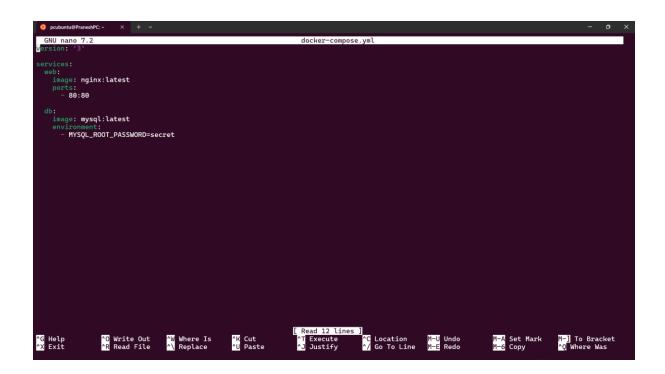
Docker Compose is a tool which is used to manage multi container-based applications.

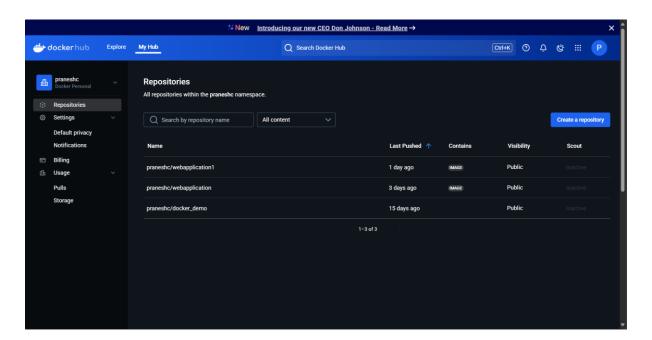
Using Docker Compose we can easily setup & deploy multi container-based applications.

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

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chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl

# and then append (or prepend) ~/.local/bin to $PATH
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kubectl version --client --output=yaml

Minikube Installation:

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

minikube start

minikube status

kubectl get pod

kubeclt get deploy

kubectl get replica

kubectl get pod -o wide

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pod/my-pod created probability of the property of the pod my-pod my-pod created probability of the pod my-pod my-p
```

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| Type | Reason | Age | From | Message | Mormal | Scheduled | 15s | default-scheduler | Successfully assigned default/my-pod to minikube | Normal | Pulling | 15s | kubelet | Successfully assigned default/my-pod to minikube | Pulling | 15s | kubelet | Successfully assigned default/my-pod to minikube | Pulling | 15s | kubelet | Successfully pulled image "nginx" | Successfully pulled image "nginx" in 3.434s (3.434s including waiting). Image size: 192004242 byte | Started | 12s | Subelet | Started | 12s | Sta
```