

Task 3 – Minikube Deployment Task

NAME: VIBUDESH R B

Roll No: 22CSR233

Step 1: Start minikube

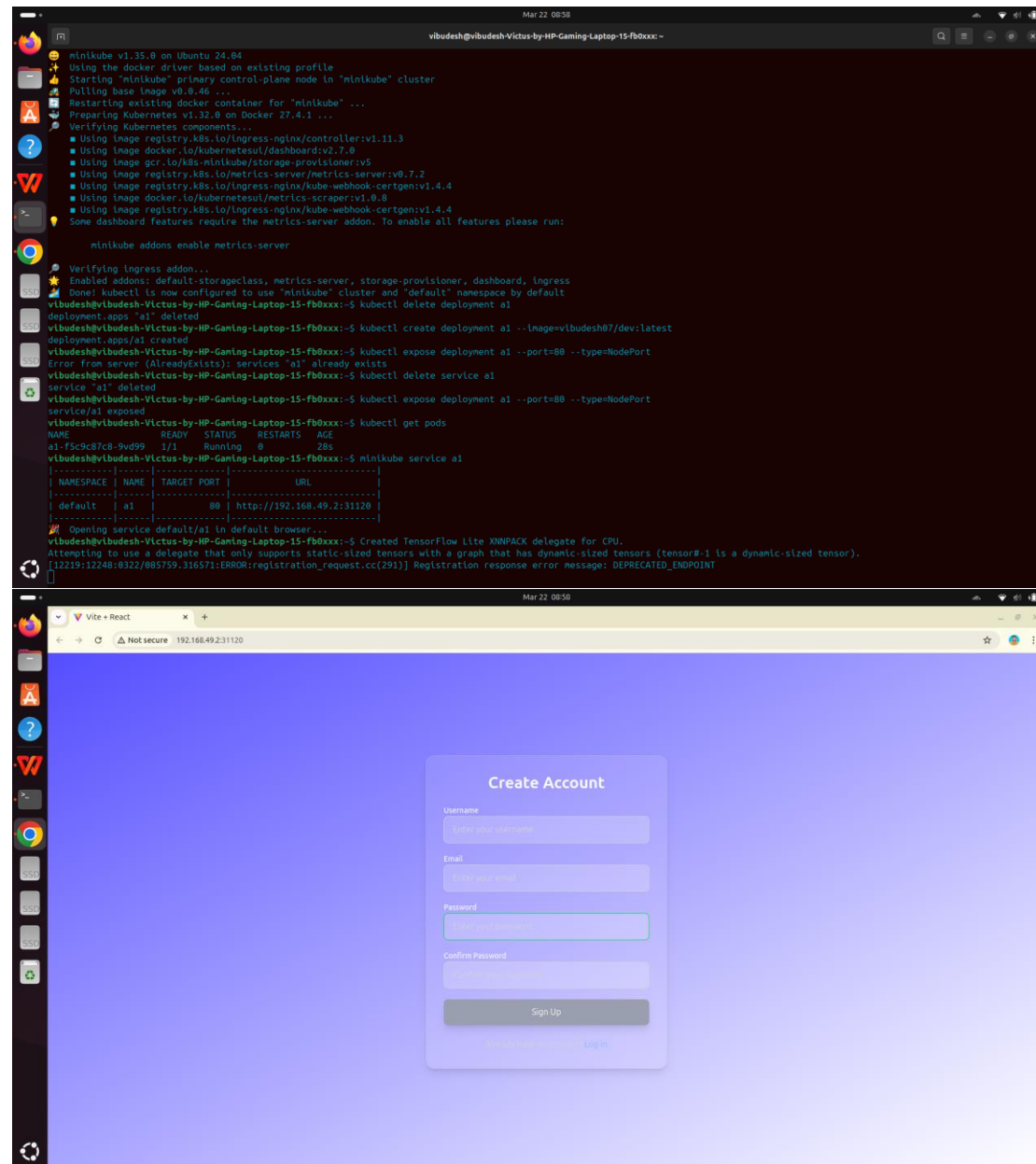
Step 2: Install Kubectl

Step 3: Create Deployment

Step 4: Expose Deployment

Step 5: Verify Pods Step 6: Access the Service

Output:



```
minikube v1.35.0 on Ubuntu 24.04
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Restarting existing docker container for "minikube" ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Verifying Kubernetes components...
  Using image registry.k8s.io/nginx/controller:v1.11.3
  Using image docker.io/kubernetes/dashboard:v2.7.0
  Using image gcr.io/k8s-minikube/storage-provisioner:v5
  Using image registry.k8s.io/metrics-server/metrics-server:v0.7.2
  Using image registry.k8s.io/ingress-nginx/kube-webhook-certgen:v1.4.4
  Using image docker.io/kubernetes/metrics-server:v1.0.0
  Using image registry.k8s.io/ingress-nginx/kube-webhook-certgen:v1.4.4
Some dashboard features require the metrics-server addon. To enable all features please run:
minikube addons enable metrics-server
minikube addons enable metrics-server
Verifying ingress addon...
Enabled addons: default-storageclass, metrics-server, storage-provisioner, dashboard, ingress
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ kubectl delete deployment a1
deployment.apps "a1" deleted
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ kubectl create deployment a1 --image=vibudesh07/dev:latest
deployment.apps/a1 created
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ kubectl expose deployment a1 --port=80 --type=NodePort
Error from server (AlreadyExists): services "a1" already exists
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ kubectl delete service a1
service "a1" deleted
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ kubectl expose deployment a1 --port=80 --type=NodePort
service/a1 exposed
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
a1-f5c9c87c8-9vd99                 1/1     Running   0           28s
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ minikube service a1
|-----|
| NAMESPACE | NAME | TARGET PORT | URL |
|-----|
| default   | a1   | 80           | http://192.168.49.2:31120 |
|-----|
Opening service default/a1 in default browser...
vibudesh@vibudesh-Victus-by-HP-Gaming-Laptop-15-FB0xxx:~$ Created TensorFlow Lite XNNPACK delegate for CPU.
Attempting to use a delegate that only supports static-sized tensors with a graph that has dynamic-sized tensors (tensor#1 is a dynamic-sized tensor).
[12219:12248:0322/085759.316571:ERROR:registration_request.cc(291)] Registration response error message: DEPRECATED_ENDPOINT
```

Mar 22, 0850

Vite + React

192.168.49.2:31120

Create Account

Username
Enter your username

Email
Enter your email

Password
Enter your password

Confirm Password
Confirm your password

Sign Up

[Forgot Password](#) [Login](#)