

TASK 4

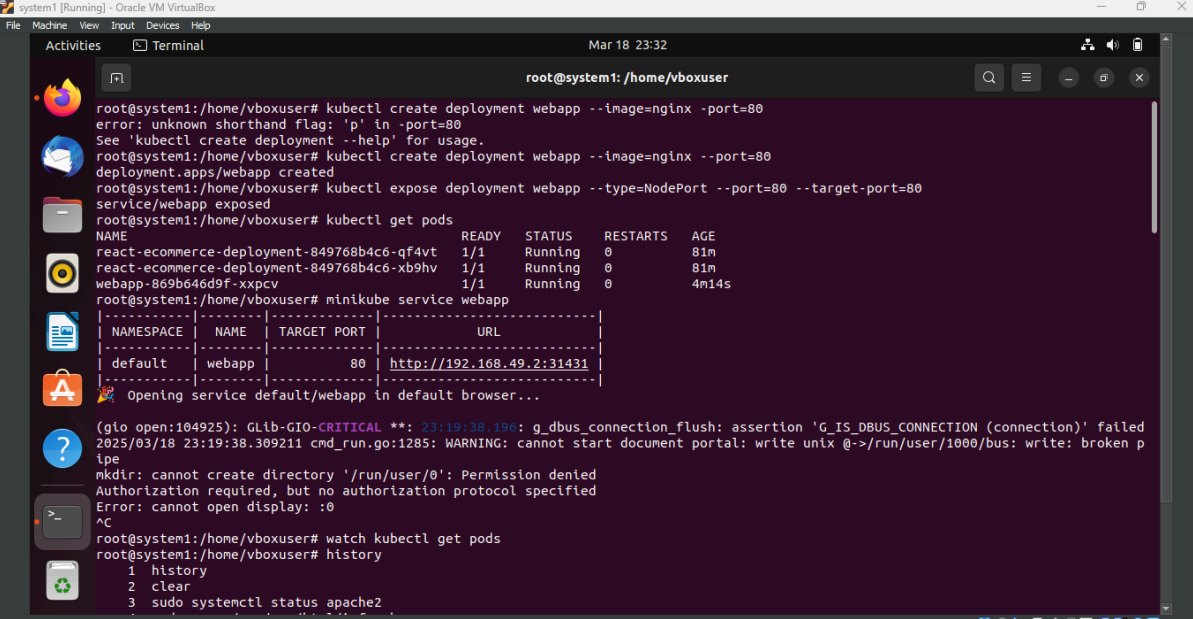
Step 1: Run `kubectl create deployment webapp --image=nginx --port=80` to create a deployment using the Nginx image.

Step 2: Run `kubectl expose deployment webapp --type=NodePort --port=80 --target-port=80` to expose the deployment as a service.

Step 3: Run `kubectl get pods` to check if the pods are running successfully.

Step 4: Run `minikube service webapp` to retrieve the service URL for accessing the web application.

Step 5: Run `watch kubectl get pods` to continuously monitor the status of the running pods.



```
root@system1: /home/vboxuser
root@system1:~# kubectl create deployment webapp --image=nginx --port=80
error: unknown shorthand flag: 'p' in -port=80
See 'kubectl create deployment --help' for usage.
root@system1:~# kubectl create deployment webapp --image=nginx --port=80
deployment.apps/webapp created
root@system1:~# kubectl expose deployment webapp --type=NodePort --port=80 --target-port=80
service/webapp exposed
root@system1:~# kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
react-e-commerce-deployment-849768b4c6-qf4vt  1/1     Running   0           81m
react-e-commerce-deployment-849768b4c6-xb9hv  1/1     Running   0           81m
webapp-869b646d9f-xxpcv                 1/1     Running   0           4m14s
root@system1:~# minikube service webapp
|-----|
| NAMESPACE | NAME   | TARGET PORT | URL                  |
|-----|
| default   | webapp | 80           | http://192.168.49.2:31431 |
|-----|
Opening service default/webapp in default browser...
(gio open:104925): GLib-GIO-CRITICAL **: 23:19:38.196: g_dbus_connection_flush: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
2025/03/18 23:19:38.309211 cmd_run.go:1285: WARNING: cannot start document portal: write unix @->/run/user/1000/bus: write: broken p
ipe
mkdir: cannot create directory '/run/user/0': Permission denied
Authorization required, but no authorization protocol specified
Error: cannot open display: :0
^C
root@system1:~# watch kubectl get pods
root@system1:~# history
1 history
2 clear
3 sudo systemctl status apache2
```

TASK 4

Output:

