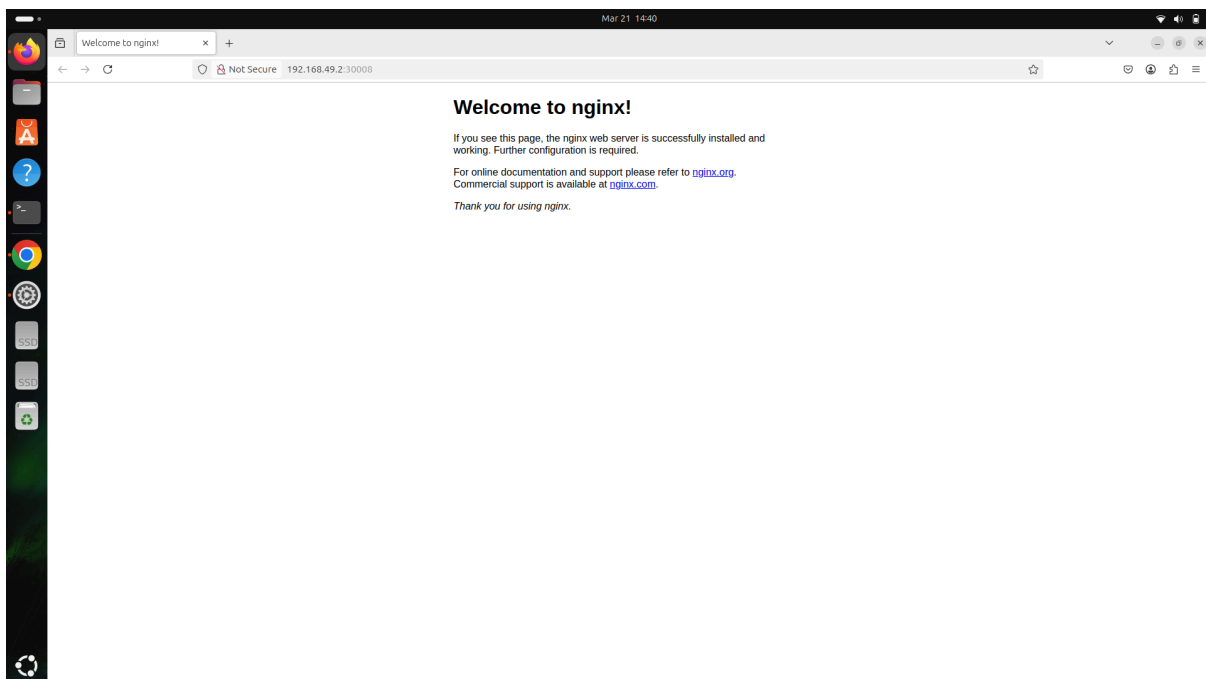


Day 4 - Describe kubectl service and find port number

```
Mar 21 14:39
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$
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 gcr.io/k8s-minikube/storage-provisioner:v5
Enabled addons: default-storageclass, storage-provisioner
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ kubectl apply -f nginx-deployment.yml
deployment.apps/nginx-login unchanged
service/nginx-login-service unchanged
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-login-b6fd8c4cf-8dbnh         1/1     Running   2 (16h ago)  23h
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ kubectl get svc
NAME                TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
Kubernetes          ClusterIP   10.96.0.1     <none>         443/TCP           47h
nginx-login-service  NodePort    10.99.136.215 <none>         80:30008/TCP      23h
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ curl http://192.168.49.2:30008
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p>Thank you for using nginx.</p>
</body>
</html>
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ echo "Access Nginx at http://$(minikube ip):$(kubectl get svc nginx-login-service -o=jsonpath='{.spec.ports[0].nodePort}')"
Access Nginx at http://192.168.49.2:30008
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$
```



```
Mar 21 14:45
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx -
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<p><em>Thank you for using nginx.</em></p>
</body>
</html>
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ echo "Access Nginx at http://$$(minikube ip):$(kubectl get svc nginx-login-service -o=jsonpath='{.spec.ports[0].nodePort}')"
Access Nginx at http://192.168.49.2:30008
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ kubectl describe service nginx-login-service
Name:          nginx-login-service
Namespace:     default
Labels:        <none>
Annotations:   <none>
Selector:      app=nginx-login
Type:          NodePort
IP Family Policy: SingleStack
IP Families:   IPv4
IP:            10.99.136.215
IPs:           10.99.136.215
Port:          <unset> 80/TCP
TargetPort:    80/TCP
NodePort:      <unset> 30008/TCP
Endpoints:     10.244.0.14:80
Session Affinity: None
External Traffic Policy: Cluster
Internal Traffic Policy: Cluster
Events:        <none>
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$
```

```
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$ curl -i http://192.168.49.2:30008
HTTP/1.1 200 OK
Server: nginx/1.27.4
Date: Fri, 21 Mar 2025 09:21:31 GMT
Content-Type: text/html
Content-Length: 615
Last-Modified: Wed, 05 Feb 2025 11:06:32 GMT
Connection: keep-alive
ETag: "67a34638-267"
Accept-Ranges: bytes

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<p><em>Thank you for using nginx.</em></p>
</body>
</html>
karthi@karthi-HP-Pavilion-Laptop-14-ec1xxx:~$
```