

TASK3

Minikube version

```
dharsini@Babu: /mnt/c/Users/Indian
Version: 0.19.0
GitCommit: de40ad0
dharsini@Babu: /mnt/c/Users/Indian$ minikube version
minikube version v1.35.0
commit: d45d320e41b5451cd3c01891bc4e13d189586ed-dirty
dharsini@Babu: /mnt/c/Users/Indian$ minikube start
[0] minikube v1.35.0 on Ubuntu 22.04 (amd64)
[0320 09:51:37.334699] 1143 start.go:812] api.Load failed for minikube: filestore "minikube": Docker machine "minikube" does not exist. Use "docker-machine ls" to list machines. Use "docker-machine create" to add a new one.
[0] Using the docker driver based on existing profile
[0] Starting "minikube" primary control-plane node in "minikube" cluster
[0] Pulling base image v0.0.46 ...
[0] Downloading Kubernetes v1.32.0 preload ...
[0] > index.docker.io/kicbase/sta...: 41.67 MiB / 500.31 MiB 8.33% 51.65 KiB ^C
[0] minikube v1.35.0 on Ubuntu 22.04 (amd64) $ minikube start --driver=docker
[0320 09:55:03.721770] 1279 start.go:812] api.Load failed for minikube: filestore "minikube": Docker machine "minikube" does not exist. Use "docker-machine ls" to list machines. Use "docker-machine create" to add a new one.
[0320 09:55:03.721959] 1279 start.go:812] api.Load failed for minikube: filestore "minikube": Docker machine "minikube" does not exist. Use "docker-machine ls" to list machines. Use "docker-machine create" to add a new one.
[0] Using the docker driver based on existing profile
[0] Starting "minikube" primary control-plane node in "minikube" cluster
[0] Pulling base image v0.0.46 ...
[0] minikube cannot pull kicbase image from any docker registry, and is trying to download kicbase tarball from github release page via HTTP.
[0] It's very likely that you have an internet issue. Please ensure that you can access the internet at least via HTTP, directly or with proxy. Currently your proxy configure is:
[0] Downloading Kubernetes v1.32.0 preload ...
[0] > preloaded-images-k8s-v18-v1...: 333.57 MiB / 333.57 MiB 100.00% 608.46
[0] > kicbase-v0.0.46-amd64.tar: 1.23 GiB / 1.23 GiB 100.00% 1.59 MiB p/s 13m
[0] Creating docker container (CPUs=2, Memory=2200MB) ...
[0] Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
[0] * Generating certificates and keys ...
[0] * Booting up control plane ...
[0] * Configuring RBAC rules ...
[0] * Configuring bridge CNI (Container Networking Interface) ...
[0] * Verifying Kubernetes components...
[0] * Using image gcr.io/k8s-minikube/storage-provisioner:v5
[0] Enabled addons: storage-provisioner, default-storageclass
[0] Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
dharsini@Babu: /mnt/c/Users/Indian$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
dharsini@Babu: /mnt/c/Users/Indian$ sudo nano nginx-deployment.yml
[sudo] password for dharsini:
dharsini@Babu: /mnt/c/Users/Indian$ kubectl apply -f nginx-deployment.yml
error: the path "nginx-deployment.yml" does not exist
```

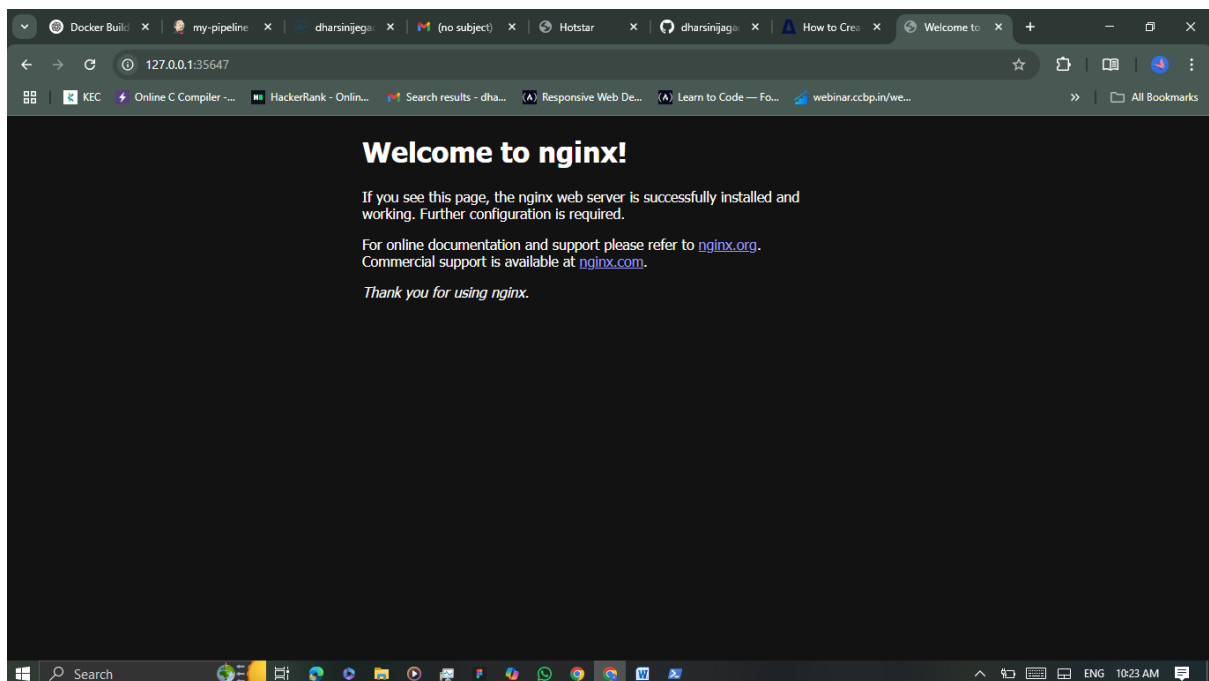
Pods

```
dharsini@Babu: /mnt/c/Users/Indian
-rwxrwxrwx 1 dharsini dharsini 512 Oct 19 2021 @1000000000.png
-rwxrwxrwx 1 dharsini dharsini 49663 Mar 24 2023 minty-2023-03-24_13-39-20.png
-rwxrwxrwx 1 dharsini dharsini 578 Mar 20 10:15 nginx-deployment.yml
-rwxrwxrwx 1 dharsini dharsini 512 May 31 2024 @1000000000.png
-rwxrwxrwx 1 dharsini dharsini 2109440 Nov 12 2021 ntuser.dat.LOG1
-rwxrwxrwx 1 dharsini dharsini 1212416 Nov 12 2021 ntuser.dat.LOG2
-rwxrwxrwx 1 dharsini dharsini 20 Nov 12 2021 ntuser.ini
dharsini@Babu: /mnt/c/Users/Indian$ kubectl apply -f nginx-deployment.yml
error: the path "nginx-deployment.yml" does not exist
dharsini@Babu: /mnt/c/Users/Indian$ kubectl apply -f nginx-deployment.yml
deployment.apps/nginx-login created
error: error parsing nginx-deployment.yml: error converting YAML to JSON: yaml: line 7: mapping values are not allowed in this context
dharsini@Babu: /mnt/c/Users/Indian$ kubectl get pods
NAME STATUS RESTARTS AGE
nginx-login-b6fd8c4cf-4wtwq 0/1 ContainerCreating 0 31s
dharsini@Babu: /mnt/c/Users/Indian$ kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 4m16s
dharsini@Babu: /mnt/c/Users/Indian$ minikube service nginx-login-service --url
[0] Exiting due to SVC_NOT_FOUND: Service 'nginx-login-service' was not found in 'default' namespace.
You may select another namespace by using "minikube service nginx-login-service -n <namespace>". Or list out all the services using "minikube service list"
dharsini@Babu: /mnt/c/Users/Indian$
dharsini@Babu: /mnt/c/Users/Indian$ minikube service nginx-login-service --url
http://127.0.0.1:35647
[0] Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

Kubectl version

```
dharsini@Babu:/mnt/c/Users/Indian$ kubectl version
Client Version: v1.32.3
Kustomize Version: v5.5.0
Server Version: v1.32.0
```

Server running on port



Testing using curl command

```
dharsini@Babu:/mnt/c/Users/Indiar$ 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><em>Thank you for using nginx.</em></p>
</body>
</html>
dharsini@Babu:/mnt/c/Users/Indiar$
```