

## DAY 3

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lipiga@DESKTOP-GH3QAGL:~$ sudo install minikube-linux-amd64 /usr/local/bin/minikube
lipiga@DESKTOP-GH3QAGL:~$ rm minikube-linux-amd64
lipiga@DESKTOP-GH3QAGL:~$ minikube version
minikube version: v1.35.0
commit: dd5d320e41b5451cdf3c01891bc4e13d189586ed-dirty
lipiga@DESKTOP-GH3QAGL:~$ minikube start --driver=docker
🐹 minikube v1.35.0 on Ubuntu 24.04 (amd64)
🔧 Using the docker driver based on existing profile
👉 Starting "minikube" primary control-plane node in "minikube" cluster
📦 Pulling base image v0.0.46 ...
🐳 docker "minikube" container is missing, will recreate.
🔨 Creating docker container (CPUs=2, Memory=2200MB) ...
❗ Failing to connect to https://registry.k8s.io/ from inside the minikube container
💡 To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
📦 Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
  ▪ Generating certificates and keys ...
  ▪ Booting up control plane ...
  ▪ Configuring RBAC rules ...
🔗 Configuring bridge CNI (Container Networking Interface) ...
🔧 Verifying Kubernetes components...
  ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
🌟 Enabled addons: storage-provisioner, default-storageclass
🎉 Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
lipiga@DESKTOP-GH3QAGL:~$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

lipiga@DESKTOP-GH3QAGL:~$
```

```
lipiga@DESKTOP-GH3QAGL: · × + v
GNU nano 7.2 nginx-deployment.yml *
selector:
  matchLabels:
    app: nginx-login
template:
  metadata:
    labels:
      app: nginx-login
  spec:
    containers:
      - name: nginx-login
        image: nginx:latest # Public Nginx image from Docker Hub
        ports:
          - containerPort: 8080
---
apiVersion: v1
kind: Service
metadata:
  name: nginx-login-service
spec:
  type: NodePort
  selector:
    app: nginx-login
  ports:
    - protocol: TCP
      port: 8080
      targetPort: 8080
      nodePort: 30010 # NodePort exposes service on this port
```

