

Lab Exercise 4.1- Deployments with Rolling Update and Recreate Strategies

Understand how to use the rolling update and recreate strategies for deploying applications using Kubernetes Deployments.

Step 1: Create a Deployment with Rolling Update Strategy

Create a YAML file for the deployment:

Create a file named **deployment.yaml** with the following content:

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: my-deployment
  labels:
    app: my-app
spec:
  replicas: 10
  selector:
    matchLabels:
      app: my-app
  template:
    metadata:
      labels:
        app: my-app
    spec:
      containers:
        - name: my-web-container
          image: hkshitesh/gfgimgb8
```

Apply the deployment:

```
kubectl apply -f nginx-deployment.yaml
```

Verify the deployment:

```
kubectl get deployments
```

Monitor the rolling update: