

DEPLOY A WEB APPICATION USING KUBERNETES

1. Start Minikube:

- Run `minikube start` to start your local Kubernetes cluster.

2. Navigate to the Deployment Directory:

- Go to the directory containing your YAML files:

```
bash
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cd ~/Devops/kubernetes/deploy/yaml/apache_phpadmin_mysql/PHPMYADMIN_MYSQL
```

3. Apply Namespace:

- Apply the `namespace.yaml` configuration:

```
bash
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kubectl apply -f namespace.yaml
```

4. Deploy Resources in the Namespace:

- Apply the resources in the `lampdemo` namespace:

```
bash
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kubectl apply -n lampdemo -k ./
```

5. Check Pods:

- Verify that the pods are running:

```
bash
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kubectl get po -n lampdemo
```

6. Check Services:

- Check the services to get the external IP and port for access:

```
bash
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kubectl get svc -n lampdemo
```

7. Access the Service:

- Open the service URL in your browser:

```
bash
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minikube service lamp -n lampdemo
```

8. Verify:

- Ensure that the service is accessible at the URL provided (e.g., <http://127.0.0.1:35141>).

OUTPUT:

