



# kubernetes

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*Kubernetes: Demo Deployment*

## *KUBERNETES : Basics of Kuebernetes*

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- Create application **Deployment Manifest**.
- Deploy Deployment.  
**kubectl create -f <Manifest File>**
- List Running Deployments.  
**kubectl get deployments**
- List Running Replica Set.  
**kubectl get rs**
- List Running Pods.  
**kubectl get pods**

## *KUBERNETES : Basics of Kuebernetes*

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- To see the labels automatically generated for each Pod.

```
kubectl get pods --show-labels
```

- Expose Deployment.

```
kubectl expose deployment <deployment_name> —  
type=NodePort
```

- Get Exposed Service.

```
kubectl get service
```

- Get Service Access URL.

```
minikube service <service_name> —URL
```

## *KUBERNETES : Basics of Kuebernetes*

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- Upgrade Service in Deployments.

```
kubectl set image deployment/<deployment name>  
appname=<newimage>
```

```
kubectl set image deployment/nginx-deployment  
nginx=nginx:1.17.1
```

- Verify Roll-Out Status

```
kubectl rollout status deployment/<deployment_name>
```

- Verify Rollout History

```
kubectl rollout history deployment/<deployment_name>
```

## *KUBERNETES : Basics of Kuebernetes*

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- Rollback the changes

```
kubectl rollout undo deployment/<deployment_name>
```

- Edit Deployment, add Revision History

```
kubectl edit deployment/<deployment_name>
```

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

*See you in next lecture ...*