



# kubernetes

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*Kubernetes: Demo Auto-Scaling*

## *KUBERNETES : Advance of Kuebernetes*

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➤ Create Some Deployment/Replica-Set of some Service.

➤ Using Apache Web-Server.

➤ Generate YMLs and Execute them.

➤ Start HPA on Deployment.

```
kubectl autoscale deployment <deployment-name> --min=2 --max=5  
--cpu-percent=80
```

➤ Get Status of HPA

```
kubectl get hpa
```

➤ Describe HPA Uses and Status.

```
kubectl describe hpa
```

➤ Get HPA YML for reference.

```
kubectl get <HPA Name> -o yaml > web-hpa.yaml
```

## *KUBERNETES : Advance of Kuebernetes*

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- Add Metrics API Server on Kubernetes Cluster.
- Add WebHook for kubectl
- Restart the Cluster.
- Re-create the HPA

## *KUBERNETES : Advance of Kuebernetes*

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- Launch Shell and connect to WebServer.

```
kubectrl run -i --tty service-test --image=busybox /bin/sh
```

- Connect with Service Running on Pod.

```
wget http://hpa-example.default.svc.cluster.local:31010
```

- Run Above Command in Loop.

```
while true; do wget -q -O- http://hpa-example.default.svc.cluster.local:31111; done
```

*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 fingers gripping the marker. The text is written in a fluid, handwritten style.

*See you in next lecture ...*