

Execute Custom Image on AWS Kubernetes

1. Create AWS Kubernetes Cluster

```
kops create cluster --yes --state=s3://kops-bucket-a87654 --  
zones=ap-south-1a --node-size=t2.micro --master-size=t2.micro --  
name=level360degree.uk
```

If you don't have the Domain:

```
kops create cluster --yes --state=s3://kops-bucket-a87654 --  
zones=ap-south-1a --node-size=t2.micro --master-size=t2.micro --  
name=test.k8s.local
```

2. Verify Kubernetes Cluster.

```
kops validate cluster  
kops validate cluster -o json  
kops validate cluster -o yaml
```

3. Start the Deployment on Kubernetes Cluster.

```
kubectl create deployment magicalnginx --image=anshuldevops/  
magicalnginx
```

4. Get Information of Running Deployments

```
kubectl get deployments
```

5. Describe the Running Deployment

```
kubectl describe deployment magicalnginx
```

6. Make the NGINX container accessible via the internet via loadbalancer:

```
kubectl create service loadbalancer magicalnginx --tcp=80:80
```

7. Get Running Services

```
kubectl get svc
```

8. Remove Services

```
kubectl delete services magicalnginx
```

9. Remove Deployment

```
kubectl delete deploymentmagicalnginx
```

10. Delete Cluster

```
kops delete cluster --name=level360degree.uk --yes --state=s3://  
kops-bucket-a87654
```