

Pod Creation with service NodePort in Cluster

Step 1:- Create an EKS Cluster

Step 2:- Create nodegroup for EKS Cluster

Step 3:- Use Cloudshell

Step 4:- AWS Configure

Access key =

Secret key =

Step 5:- Connect to Cluster

```
aws eks --region <region_name> update-kubeconfig --name <cluster_name>
```

Step 6:- Check nodes & cluster-info

```
kubectl get nodes
```

```
kubectl cluster-info
```

Step 7:- Create pod

```
kubectl run <pod_name> --image=<image_name>
```

```
kubectl get pods
```

Step 8:- Expose using NodePort

```
kubectl expose pod <pod_name> --port=<serviceport> --target-port=<containerport>  
--type=NodePort
```

```
kubectl get services
```

Step 9:- Copy InstanceId with port number and paste into browser

Make sure your instance security group has required ports.