

Deploying the Application

```
root@ip-172-31-17-73:~# mkdir bin
root@ip-172-31-17-73:~# cp ./kubectl $HOME/bin/kubectl && export PATH=$HOME/bin:$PATH
root@ip-172-31-17-73:~# kubectl version
Client Version: version.Info{Major:"1", Minor:"10", GitVersion:"v1.10.3", GitCommit:"2bba0
-26T20:40:11Z", GoVersion:"go1.9.3", Compiler:"gc", Platform:"linux/amd64"}
```

```
root@ip-172-31-86-69:~# curl --silent --location "https://github.com/weaveworks/eksctl/r
p
root@ip-172-31-86-69:~# mv /tmp/eksctl /usr/local/bin
root@ip-172-31-86-69:~# eksctl version
[â
^] version.Info{BuiltAt:"", GitCommit:"", GitTag:"0.2.1"}
root@ip-172-31-86-69:~# █
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root@ip-172-31-17-73:~# aws configure
AWS Access Key ID [None]: AKIAVORWYFFGE3YTFZFZ
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
root@ip-172-31-17-73:~# █
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root@ip-172-31-86-69:~# eksctl create cluster --name=EKScluster --nodes=2 --region=us-west-2
[â]   using region us-west-2
[â]   setting availability zones to [us-west-2c us-west-2d us-west-2b]
[â]   subnets for us-west-2c - public:192.168.0.0/19 private:192.168.96.0/19
[â]   subnets for us-west-2d - public:192.168.32.0/19 private:192.168.128.0/19
[â]   subnets for us-west-2b - public:192.168.64.0/19 private:192.168.160.0/19
[â]   nodegroup "ng-c8e07a6f" will use "ami-03a55127c613349a7" [AmazonLinux2/1.13]
[â]   using Kubernetes version 1.13
[â]   creating EKS cluster "EKScluster" in "us-west-2" region
[â]   will create 2 separate CloudFormation stacks for cluster itself and the initial nodegroup
[â]   if you encounter any issues, check CloudFormation console or try 'eksctl utils describe-stacks --region=us-west-2 --name=EKScluster'
[â]   2 sequential tasks: ( create cluster control plane "EKScluster", create nodegroup "ng-c8e07a6f" )
[â]   building cluster stack "eksctl-EKScluster-cluster"
[â]   deploying stack "eksctl-EKScluster-cluster"

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[â] all EKS cluster resource for "EKScluster" had been created
[â] saved kubeconfig as "/root/.kube/config"
[â]   adding role "arn:aws:iam::130374862735:role/eksctl-EKScluster-nodegroup-ng-c8-NodeInstanceRole-1FKZC9GNJUUMU" to auth ConfigMap
[â]   nodegroup "ng-c8e07a6f" has 0 node(s)
[â]   waiting for at least 2 node(s) to become ready in "ng-c8e07a6f"
[â]   nodegroup "ng-c8e07a6f" has 2 node(s)
[â]   node "ip-192-168-28-149.us-west-2.compute.internal" is ready
[â]   node "ip-192-168-76-186.us-west-2.compute.internal" is ready
[â]   kubectl command should work with "/root/.kube/config", try 'kubectl get nodes'
[â] EKS cluster "EKScluster" in "us-west-2" region is ready

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root@ip-172-31-86-69:~# kubectl get node

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NAME	STATUS	ROLES	AGE	VERSION
ip-192-168-28-149.us-west-2.compute.internal	Ready	<none>	5m	v1.13.7-eks-c57ff8
ip-192-168-76-186.us-west-2.compute.internal	Ready	<none>	5m	v1.13.7-eks-c57ff8

```

root@ip-172-31-86-69:~#

```

Clusters (2)



Delete

Create cluster

Q EKS



< 1 >

	Cluster name	Kubernetes Version	Status
<input type="radio"/>	EKSCluster	1.13	ACTIVE

```
root@ip-172-31-86-69:~# kubectl run kubernetes-bootcamp --image=docker.io/jocatalin/kubernetes-bootcamp:v1 --port=8080
deployment.apps "kubernetes-bootcamp" created
root@ip-172-31-86-69:~# kubectl expose deployment/kubernetes-bootcamp --port=8080 --target-port=8080 --type=NodePort
service "kubernetes-bootcamp" exposed
root@ip-172-31-86-69:~# kubectl get pods
NAME                                READY    STATUS              RESTARTS   AGE
kubernetes-bootcamp-6c5cfd894b-9jqzf 0/1      ContainerCreating   0           6s
root@ip-172-31-86-69:~# kubectl get deployments
NAME                DESIRED   CURRENT   UP-TO-DATE   AVAILABLE   AGE
kubernetes-bootcamp 1          1         1             1           15s
root@ip-172-31-86-69:~# kubectl get pods
NAME                                READY    STATUS    RESTARTS   AGE
kubernetes-bootcamp-6c5cfd894b-9jqzf 1/1      Running   0           19s
root@ip-172-31-86-69:~# kubectl get services
NAME                TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
kubernetes          ClusterIP   10.100.0.1    <none>        443/TCP          44m
kubernetes-bootcamp NodePort    10.100.33.238 <none>        8080:30306/TCP   1m
root@ip-172-31-86-69:~#
```