5.4 Deploy your Application

wget https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/kubectl

chmod +x kubectl

./kubectl

```
roorSip-172-31-17-73-4 Mayer https://amazon-eks.sl-us-west-2.amazonaws.com/1.30.3/0318-77-26/hin/linux/amd64/kubectl
-2013-07-2 02/03:07-7 https://amazon-eks.sl-us-west-2.amazonaws.com/1.30.3/0318-07-26/hin/linux/amd64/kubectl
Resolving amazon-eks.sl-us-west-2.amazonaws.com (amazon-eks.sl-us-west-2.amazonaws.com) 52.218.253.65 [connecting to amazon-eks.sl-us-west-2.amazonaws.com) [52.218.253.65] [connecting to amazon-eks.sl-us-west-2.amazonaws.com] [62.218.253.65] [connecting to amazon-eks.sl-us-west-
```

mkdir bin

cp ./kubectl \$HOME/bin/kubectl && export PATH=\$HOME/bin:\$PATH

kubectl version

kubectl version --short -client

```
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:"2bbaC-26T20:40:11Z", GoVersion:"go1.9.3", Compiler:"gc", Platform:"linux/amd64"}
```

wget https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/aws-iam-authenticator

chmod +x ./aws-iam-authenticator

cp ./aws-iam-authenticator \$HOME/bin/aws-iam-authenticator && export PATH=\$HOME/bin:\$PATH

aws-iam-authenticator help

```
root8ip-172-31-17-73:-$ wget https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/aws-iam-authenticator
-2019-07-28 02:11:02-- https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/aws-iam-authenticator
Resolving mazon-eks.s3-us-west-2.amazonaws.com (amazon-eks.s3-us-west-2.amazonaws.com)...52.218.193.153
Connecting to amazon-eks.s3-us-west-2.amazonaws.com (amazon-eks.s3-us-west-2.amazonaws.com) [52.218.193.153]:443... connected.
HTTF request sent, awaiting response... 200 (Mazon-eks.s3-us-west-2.amazonaws.com) [52.218.193.153]:443... connected.
HTTF request sent, awaiting response... 200 (Mazon-eks.s3-us-west-2.amazonaws.com) [52.218.193.153]:443... connected.
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HTTF request sent, awaiting response... 200 (Mazon-eks.s3-us-west-2.amazonaws.com) [52.218.193.153]:443... connected.
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HTTF request sent, awaiting response... 200 (Mazon-eks.s3-us-west-2.amazonaws.com) [52.218.193.153]:443... connected.
HTTF request sent, awaiting response... 200 (Mazon-eks.s3-us-west-2.amazonaws.com) [52.218.193.153]:443... connected.
HTTF request sent, awaiti
```

curl --silent --location

"https://github.com/weaveworks/eksctl/releases/download/latest_release/eksctl \$(una me -s)_amd64.tar.gz" | tar xz -C /tmp

mv /tmp/eksctl /usr/local/bin

eksctl version

```
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:~#
```

apt install python-pip

pip install awscli

aws -version

Access keys Use access keys to make secure REST or HTTP Query protocol requests to AWS service APIs. For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation. Learn more Create access key Created Last used Status Access key ID AKIAVORWYFFGC3WVPNWC 2019-07-24 08:28 UTC+0530 2019-07-26 13:51 UTC+0530 with sts in us-east-1 Active | Make inactive Create access key Access key ID Created Last used Status AKIAVORWYFFGC3WVPNWC 2019-07-24 08:28 UTC+0530 2019-07-26 13:51 UTC+0530 with sts in us-east-1 Active | Make inactive AKIAVORWYFFGE3YTFZFZ 2019-07-28 07:49 UTC+0530 N/A

```
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

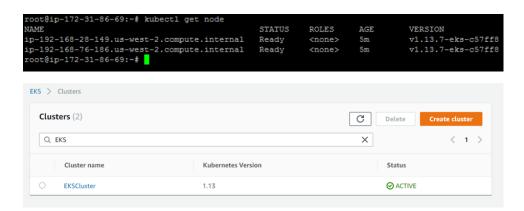
root@ip-172-31-17-73:~#
```

eksctl create cluster --name=EKSCluster --nodes=2 --region=us-west-2

```
roce8ip-172-31-86-69:-$ eksect create cluster --name=EKSCluster --nodes=2 --region=us-west-2

| sing region us-west-2
| setting availability zones to [us-west-2c us-west-2d us-west-2b]
| setting availability zones to [us-west-2c us-west-2d us-west-2b]
| sing subnets for us-west-2c - public:192.168.0.0/19 private:192.168.128.0/19
| subnets for us-west-2d - public:192.168.0.0/19 private:192.168.128.0/19
| subnets for us-west-2b - public:192.168.61.0/19 private:192.168.128.0/19
| subnets for us-west-2b - public:192.168.61.0/19 private:192.168.128.0/19
| subnets for us-west-2b - public:192.168.61.0/19 private:192.168.120.0/19
| subnets for us-west-2b - public:192.168.00/19 private:192.168.160.0/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.00/19 private:192.168.160.0/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.00/19 private:192.168.160.0/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.10/19 private:192.168.160.0/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.10/19 private:192.168.160.0/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.100/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.100/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.100/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.100/19
| using Kubernetes version 1.13
| subnets for us-west-2b - public:192.168.108.100/19
| using for uses a separate Cloudformation stacks for cluster itself and the initial nodegroup "ng-c8e07a6f" has 0 node(s)
| using for uses a separate Cloudformation console or try 'eksect utils describe-stacks --region=us-west-2 --name=EKSCluster*
| using for uses a separate Cloudformation console or try 'eksect utils describe-stacks --region=us-west-2 --name=EKSCluster*
| using Kubernetes version 1.13
| using Rubernetes version 1.13
| using Rubernetes version 1.13
| using Ruberne
```

kubectl get node



kubectl run kubernetes-bootcamp --image=docker.io/jocatalin/kubernetes-bootcamp:v1 --port=8080

kubectl expose deployment/kubernetes-bootcamp --port=8080 --target-port=8080 -- type=NodePort