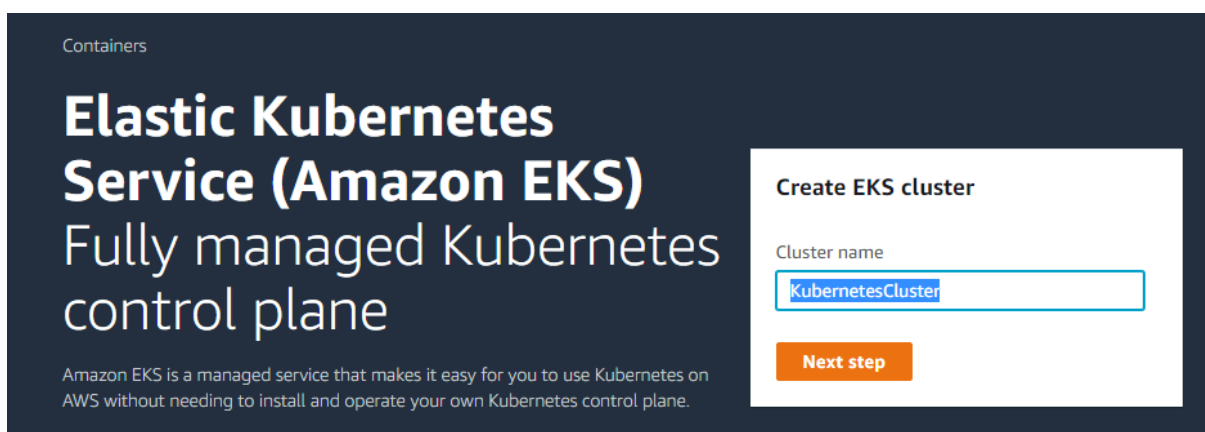
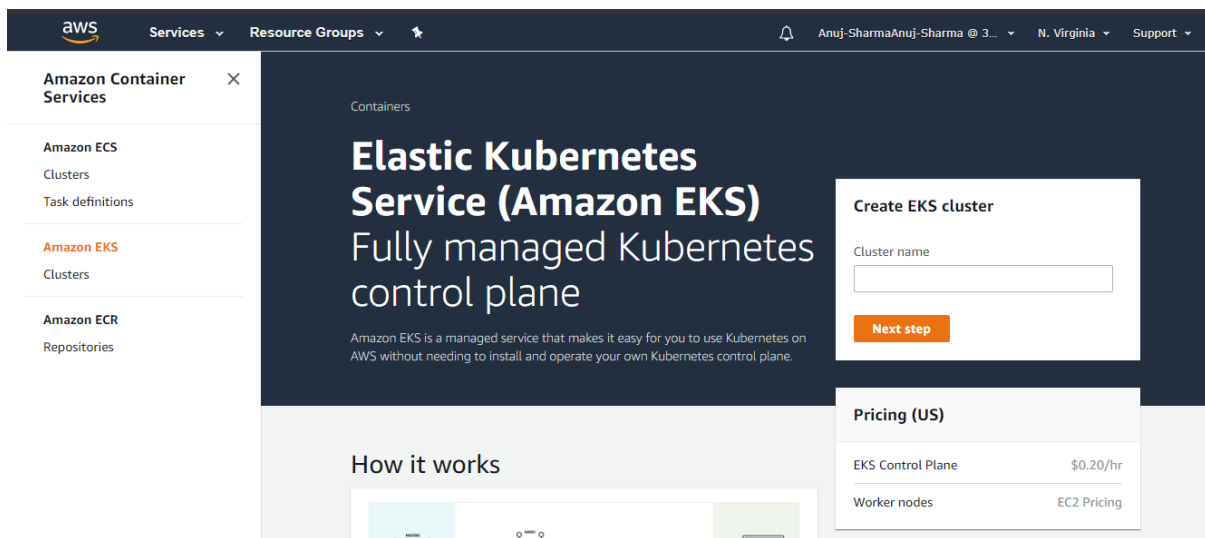
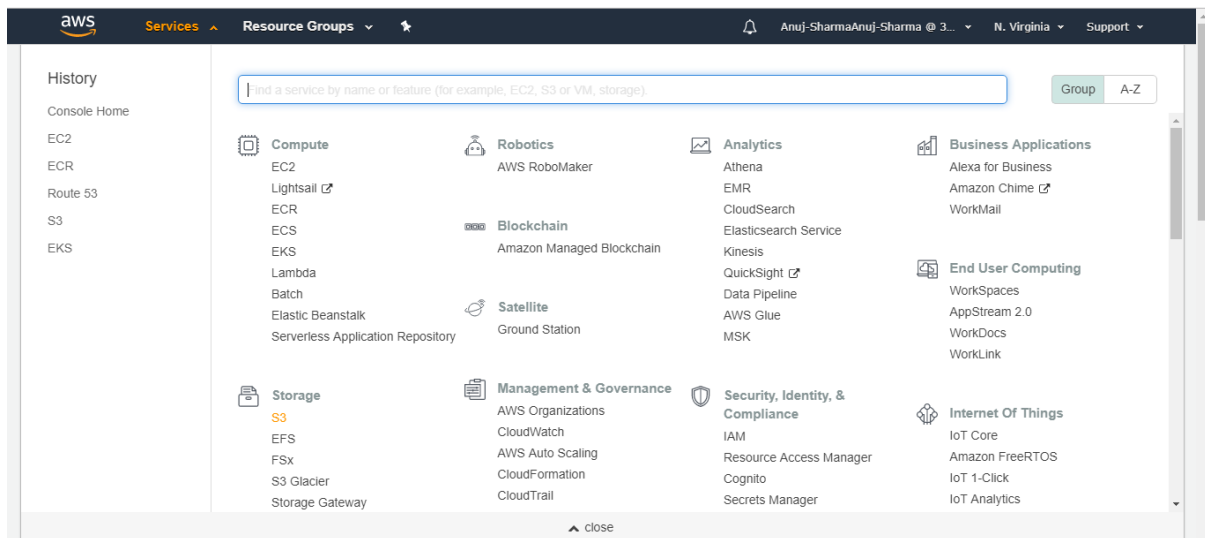


Install Kubernetes on Cloud:




[Role name](#)


Select the IAM Role to allow Amazon EKS and the Kubernetes control plane to manage AWS resources on your behalf.


Create role


1 2 3 4

Select type of trusted entity

**AWS service**
EC2, Lambda and others

**Another AWS account**
Belonging to you or 3rd party

**Web identity**
Cognito or any OpenID provider

**SAML 2.0 federation**
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose the service that will use this role

EC2

Allows EC2 instances to call AWS services on your behalf.

Lambda

Allows Lambda functions to call AWS services on your behalf.



API Gateway	Comprehend	ElastiCache	Lex	SMS
AWS Backup	Config	Elastic Beanstalk	License Manager	SNS
AWS Support	Connect	Elastic Container Service	Machine Learning	SWF
Amplify	DMS	Elastic Transcoder	Macie	SageMaker

Create role

1 2 3 4

Attached permissions policies

The type of role that you selected requires the following policy.

Filter policies <input type="text" value="Search"/>			Showing 2 results
Policy name	Used as	Description	
 AmazonEKSClusterPolicy	None	This policy provides Kubernetes the permissio...	
 AmazonEKSServicePolicy	None	This policy allows Amazon Elastic Container S...	

Create role

1 2 3 4





Review

Provide the required information below and review this role before you create it.

Role name*
Use alphanumeric and '+,=, @, _' characters. Maximum 64 characters.

Role description
Maximum 1000 characters. Use alphanumeric and '+,=, @, _' characters.

Trusted entities AWS service: eks.amazonaws.com

Policies  [AmazonEKSClusterPolicy](#) 
 [AmazonEKSServicePolicy](#) 

* Required

[Cancel](#)

[Previous](#)

[Create role](#)

General configuration

Cluster name
Enter a unique name for your Amazon EKS cluster.

Kubernetes Version
Select the Kubernetes version to install.

1.13 ▼

Role name [↗](#)
Select the IAM Role to allow Amazon EKS and the Kubernetes control plane to manage AWS resources on your behalf.

EKSRoleName ▼

✓ Cluster creation initiated

✕

EKS > Clusters > KubernetesCluster

KubernetesCluster

↻

Update cluster version

Delete

General configuration

Kubernetes Version 1.13	Platform Version eks.2	Status CREATING
API server endpoint		Certificate authority
Cluster ARN	Role ARN	
arn:aws:eks:us-east-1:374850726220:cluster/KubernetesCluster		arn:aws:iam::374850726220:role/EKSRoleName

EKS > Clusters

Clusters (1)

↻

Delete

Create cluster

< 1 >

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

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

```
chmod +x kubectl
```

```
./kubectl
```

```

root@ip-172-31-17-73:~# wget https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/kubect1
--2019-07-28 02:03:07-- https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/kubect1
Resolving amazon-eks.s3-us-west-2.amazonaws.com (amazon-eks.s3-us-west-2.amazonaws.com)... 52.218.253.65
Connecting to amazon-eks.s3-us-west-2.amazonaws.com (amazon-eks.s3-us-west-2.amazonaws.com)|52.218.253.65|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 54146532 (52M) [binary/octet-stream]
Saving to: âkubect1â

kubect1                                100%[=====] 51.64M  7.89MB/s

2019-07-28 02:03:14 (7.41 MB/s) - âkubect1â saved [54146532/54146532]

root@ip-172-31-17-73:~# ./kubect1
--su: ./kubect1: Permission denied
root@ip-172-31-17-73:~# chmod +x kubect1
root@ip-172-31-17-73:~# ./kubect1
kubect1 controls the Kubernetes cluster manager.

Find more information at: https://kubernetes.io/docs/reference/kubect1/overview/

```

mkdir bin

cp ./kubect1 \$HOME/bin/kubect1 && export PATH=\$HOME/bin:\$PATH

kubect1 version

kubect1 version --short --client

```

root@ip-172-31-17-73:~# mkdir bin
root@ip-172-31-17-73:~# cp ./kubect1 $HOME/bin/kubect1 && export PATH=$HOME/bin:$PATH
root@ip-172-31-17-73:~# kubect1 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"}

```

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

```

root@ip-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 amazon-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.
HTTP request sent, awaiting response... 200 OK
Length: 26349462 (25M) [binary/octet-stream]
Saving to: âaws-iam-authenticatorâ

aws-iam-authenticator                  100%[=====]

2019-07-28 02:11:05 (9.03 MB/s) - âaws-iam-authenticatorâ saved [26349462/26349462]

root@ip-172-31-17-73:~# chmod +x ./aws-iam-authenticator
root@ip-172-31-17-73:~# cp ./aws-iam-authenticator $HOME/bin/aws-iam-authenticator && export PATH=$HOME/bin:$PATH
root@ip-172-31-17-73:~# aws-iam-authenticator help
A tool to authenticate to Kubernetes using AWS IAM credentials

```

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

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 ✕

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	Active	Make inactive ✕

```
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:~#
```