

Services → IAM → create group → attach policy (Administration Access)

Services → IAM → create users for the group created

Services → Security Identity compliance → KMS → create key

Step 1 of 5

Key type [Help me choose](#)

☒ **Symmetric**
A single encryption key that is used for both encrypt and decrypt operations

☐ **Asymmetric**
A public and private key pair that can be used for encrypt/decrypt or sign/verify operations

▼ Advanced options

Key material origin
[Help me choose](#)

☒ **KMS**
☐ External
☐ Custom key store (CloudHSM)

Cancel

Next

KMS is region based service

aws Services Resource Groups

cloud_user @ 9339-2824-9780 N. Virginia Support

KMS > Customer managed keys > Create key

Add labels

Step 2 of 5

Create alias and description

Enter an alias and a description for this key. You can change the properties of the key at any time. [Learn more](#)

Alias

Description - optional

Tags - optional

You can use tags to categorize and identify your CMKs and help you track your AWS costs. When you add tags to AWS resources, AWS generates a cost allocation report for each tag. [Learn more](#)

Tag key Tag value

Add tag

Cancel Previous Next

KMS > Customer managed keys > Create key

Define key administrative permissions

Step 3 of 5

Key administrators

Choose the IAM users and roles who can administer this key through the KMS API. You may need to add additional permissions for the users or roles to administer this key from this console. [Learn more](#)

< 1 2 >

<input type="checkbox"/>	Name	Path
<input type="checkbox"/>	cloud_user	/
<input type="checkbox"/>	myKeyManager	/
<input type="checkbox"/>	myKeyUser	/
<input type="checkbox"/>	admin	/
<input type="checkbox"/>	AWSServiceRoleForAmazonEKS	/aws-service-role/eks.amazonaws.com/

KMS > Customer managed keys > Create key

Define key usage permissions

Step 4 of 5

This account

Select the IAM users and roles that can use the CMK in cryptographic operations. [Learn more](#)

< 1 2 >

<input type="checkbox"/>	Name	Path
<input type="checkbox"/>	cloud_user	/
<input type="checkbox"/>	myKeyManager	/
<input type="checkbox"/>	myKeyUser	/
<input type="checkbox"/>	admin	/
<input type="checkbox"/>	AWSServiceRoleForAmazonEKS	/aws-service-role/eks.amazonaws.com/

KMS > Customer managed keys > Create key

Review and edit key policy

Step 5 of 5

```
1 {
2   "Id": "key-consolepolicy-3",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "Enable IAM User Permissions",
7       "Effect": "Allow",
8       "Principal": {
9         "AWS": "arn:aws:iam::933928249780:root"
10      },
11       "Action": "kms:*",
12       "Resource": "*"
13     }
14   ]
15 }
```

Cancel Previous Finish

Success

Your customer master key was created with alias **myCMK** and key ID 795bfbbe-151e-4624-9439-d94c3d3029af.

KMS

Customer managed keys

Customer managed keys (2)

Key actions

Create key

Filter keys by alias, key ID, or key type

Alias

Key ID

Status

Key spec

Key usage

-

5c5ef090-d1a3-4ed9-a09d-344acba857b8

Pending deletion

SYMMETRIC_DEFAULT

Encrypt and decrypt

myCMK

795bfbbe-151e-4624-9439-d94c3d3029af

Enabled

SYMMETRIC_DEFAULT

Encrypt and decrypt

KMS

Customer managed keys

Key ID: 5c5ef090-d1a3-4ed9-a09d-344acba857b8

5c5ef090-d1a3-4ed9-a09d-344acba857b8

Key actions

Edit

Disable

Cancel key deletion

General configuration

Alias

-

Description

-

Status

Pending deletion

Creation date

Jul 20, 2020 10:11 GMT+1

Scheduled deletion date

Jul 28, 2020 01:00 GMT+1

ARN

arn:aws:kms:us-east-1:933928249780:key/5c5ef090-d1a3-4ed9-a09d-344acba857b8

AWS will create CMK for each service we use

Key Management Service (KMS) ×

AWS managed keys

Customer managed keys

Custom key stores

KMS > AWS managed keys

AWS managed keys (7)

Filter keys by alias or key ID

Alias	Key ID	Status
aws/sns	03e288cc-239e-4e1a-92a7-b86b9a3e1684	Enabled
aws/s3	2ec2d597-8652-4ec2-8ea1-91f7241277d1	Enabled
aws/rds	32541818-4cd9-4c2e-92f2-1e3529bcb548	Enabled
aws/cloud9	3d1e3b04-9f97-447c-b5ac-823c7bd157ae	Enabled
aws/lambda	57902e13-874b-45f2-97db-419ef479a7cd	Enabled
aws/codecommit	66991b54-0021-4354-8fce-ef0df4babbb9	Enabled
aws/redshift	6ce9414d-8519-4bec-b6b8-207e788fd86e	Enabled