# KMS key creation for EKS Node Group

## Step -1

Create a Customer Managed Key -

**Step 1**
Configure key

**Step 2**
● Add labels

**Step 3** – *optional*
Define key administrative permissions

**Step 4** – *optional*
● Define key usage permissions

**Step 5** – *optional*
Edit key policy

**Step 6**
● Review

### Add labels

#### Alias
You can change the alias at any time. Learn more ↗

**Alias**

```
VotingAPP-KMS-Key
```

#### Description - *optional*
You can change the description at any time.

**Description**

```
VotingAPP-KMS-Key
```

#### Tags - *optional*
You can use tags to categorize and identify your KMS keys 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 ↗
This key has no tags.

**Add tag**

You can add up to 50 more tags.

Cancel | Skip to Review | Previous | Next

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**Step 2**
● Add labels

**Step 3** – *optional*
● Define key administrative permissions

**Step 4** – *optional*
Define key usage permissions

**Step 5** – *optional*
● Edit key policy

**Step 6**
● Review

### Key administrators (1/14)
Select the IAM users and roles authorized to manage this key via the KMS API. These administrators will be added to the key policy under the statement identifier (Sid) 'Allow administration of the key'. Modifying this Sid might impact the console's ability to update the administrator statement in the key policy. Learn more ↗

🔍 Search Key administrators                      ‹ 1 2 ›

| ☑ | Name ▽ | Path ▽ | Type ▽ |
|---|---|---|---|
| ☑ | Test | / | User |
| ☐ | AWSServiceRoleForAmazonEKS | /aws-service-role/eks.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForAmazonEKSNodegroup | /aws-service-role/eks-nodegroup.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForAutoScaling | /aws-service-role/autoscaling.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForCloudFormationStackSetsOrgAdmin | /aws-service-role/stacksets.cloudformation.amazonaws.c... | Role |
| ☐ | AWSServiceRoleForElasticLoadBalancing | /aws-service-role/elasticloadbalancing.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForOrganizations | /aws-service-role/organizations.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForServiceQuotas | /aws-service-role/servicequotas.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForSupport | /aws-service-role/support.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForTrustedAdvisor | /aws-service-role/trustedadvisor.amazonaws.com/ | Role |

#### Key deletion
☑ Allow key administrators to delete this key.

Cancel | Skip to Review | Previous | Next

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Define key administrative permissions

**Step 4** – *optional*
● Define key usage permissions

**Step 5** – *optional*
Edit key policy

**Step 6**
● Review

🔍 Search Key users                      ‹ 1 2 ›

| ☑ | Name ▽ | Path ▽ | Type ▽ |
|---|---|---|---|
| ☐ | Test | / | User |
| ☑ | AWSServiceRoleForAmazonEKS | /aws-service-role/eks.amazonaws.com/ | Role |
| ☑ | AWSServiceRoleForAmazonEKSNodegroup | /aws-service-role/eks-nodegroup.amazonaws.com/ | Role |
| ☑ | AWSServiceRoleForAutoScaling | /aws-service-role/autoscaling.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForCloudFormationStackSetsOrgAdmin | /aws-service-role/stacksets.cloudformation.amazonaws.c... | Role |
| ☑ | AWSServiceRoleForElasticLoadBalancing | /aws-service-role/elasticloadbalancing.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForOrganizations | /aws-service-role/organizations.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForServiceQuotas | /aws-service-role/servicequotas.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForSupport | /aws-service-role/support.amazonaws.com/ | Role |
| ☐ | AWSServiceRoleForTrustedAdvisor | /aws-service-role/trustedadvisor.amazonaws.com/ | Role |

#### Other AWS accounts
Specify the AWS accounts that can use this key. Administrators of the accounts you specify are responsible for managing the permissions that allow their IAM users and roles to use this key. Learn more ↗

**Add another AWS account**

Cancel | Skip to Review | Previous | Next

## Edit key policy – *optional*

### Key policy

Preview | Edit

Review the key policy statements for this key. To manually update this policy, select **Edit**. Modifying the statement identifiers (Sid) assigned in the previous steps might affect how the console displays updates to that statement.

```
31          "kms:TagResource",
32          "kms:UntagResource",
33          "kms:ScheduleKeyDeletion",
34          "kms:CancelKeyDeletion",
35          "kms:RotateKeyOnDemand"
36        ],
37        "Resource": "*"
38      },
39      {
40        "Sid": "Allow use of the key",
41        "Effect": "Allow",
42        "Principal": {
43          "AWS": [
44            "arn:aws:iam::730335280129:role/aws-service-role/eks.amazonaws.com/AWSServiceRoleForAmazonEKS",
45            "arn:aws:iam::730335280129:role/aws-service-role/eks-nodegroup.amazonaws.com/AWSServiceRoleForAmazonEKSNodegroup",
46            "arn:aws:iam::730335280129:role/aws-service-role/autoscaling.amazonaws.com/AWSServiceRoleForAutoScaling",
47            "arn:aws:iam::730335280129:role/aws-service-role/elasticloadbalancing.amazonaws.com/AWSServiceRoleForElasticLoadBalancing"
48          ]
49        },
50        "Action": [
51          "kms:Encrypt",
52          "kms:Decrypt",
```

Cancel | Previous | Next

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| AWSServiceRoleForAmazonEKS | arn:aws:iam::730335280129:role/aws-service-role/eks.amazonaws.com/AWSServiceRoleForAmazonEKS | Role | /aws-servi |
| AWSServiceRoleForAmazonEKSNodegroup | arn:aws:iam::730335280129:role/aws-service-role/eks-nodegroup.amazonaws.com/AWSServiceRoleForAmazonEKSNodegroup | Role | /aws-servi |
| AWSServiceRoleForAutoScaling | arn:aws:iam::730335280129:role/aws-service-role/autoscaling.amazonaws.com/AWSServiceRoleForAutoScaling | Role | /aws-servi |
| AWSServiceRoleForElasticLoadBalancing | arn:aws:iam::730335280129:role/aws-service-role/elasticloadbalancing.amazonaws.com/AWSServiceRoleForElasticLoadBalancing | Role | /aws-servi |

### Key policy

Edit

Review the key policy for this key. Select **Edit** to make changes.

```
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::730335280129:root"
10       },
11       "Action": "kms:*",
12       "Resource": "*"
13     },
14     {
15       "Sid": "Allow access for Key Administrators",
16       "Effect": "Allow",
```

Cancel | Previous | Finish