

# AWS Security

## Day 3 - Assignment

12th July 2023

### Assignment 1

**Sharing AMI encrypted with KMS key between two AWS accounts.**

**Step 1 - Launch an EC2 instance in the first account.**

### Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

#### Name and tags [Info](#)


Name

[Add additional tags](#)


#### ▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below


##### Quick Start




Amazon Linux




macOS



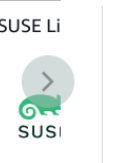
Ubuntu




Windows



Red Hat



SUSE Linux



[Browse more AMIs](#)

Including AMIs from AWS, Marketplace and the Community

##### Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

Free tier eligible ▼

ami-0d13e3e640877b0b9 (64-bit (x86)) / ami-0f203c26f765cfb32 (64-bit (Arm))

Virtualization: hvm    ENA enabled: true    Root device type: ebs

##### Description

Amazon Linux 2023 AMI 2023.1.20230705.0 x86\_64 HVM kernel-6.1

##### Architecture

##### AMI ID

ami-0d13e3e640877b0b9

Verified provider

## ▼ Instance type [Info](#)

### Instance type

**t2.micro**

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Linux pricing: 0.0124 USD per Hour

On-Demand Windows pricing: 0.017 USD per Hour

On-Demand RHEL pricing: 0.0724 USD per Hour

On-Demand SUSE pricing: 0.0124 USD per Hour

Free tier eligible

☒ All generations

[Compare instance types](#)

## ▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

instancePEM

 [Create new key pair](#)

## ▼ Network settings [Info](#)

[Edit](#)

Network [Info](#)

vpc-023b558325dbbb9ea

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

### Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

☐ Select existing security group

We'll create a new security group called 'launch-wizard-13' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

☐ Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server



Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.



Encrypting the EBS volume attached to the instance, will create an encrypted AMI. Unencrypted AMI can be encrypted by creating an encrypted copy of it.

▼ Storage (volumes) Info

Simple

EBS Volumes

Hide details

▼ Volume 1 (AMI Root) (Custom)

Storage type Info

EBS

Device name - required Info

/dev/xvda

Snapshot Info

snap-0cc5db6856fd45818

Size (GiB) Info

8

Volume type Info

gp3

IOPS Info

3000

Delete on termination Info

Yes

Encrypted Info

Encrypted

KMS key Info

(default) aws/ebs  
Key ID: alias/aws/ebs

Throughput Info

125

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

×

Add new volume

## Step 2 - Create an image of the instance.

Instance ID

I-09d2e4858f6f34247 (instance\_01)

Image name

EC2\_01\_mainAccountAMI

Maximum 127 characters. Can't be modified after creation.

Image description - optional

Image description

Maximum 255 characters

No reboot

☒ Enable

Instance volumes

Storage type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/...	Create new snapshot fr...	8	EBS General Purpose S...	3000		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

Add volume

**Step 3** - Share the created AMI with another AWS account. Make sure that the AMI is encrypted.

AMI ID: ami-0d85683ae0e5b0a32

Image share permission  
**Private**  
This image is only shared with account IDs, organizations, or OUs that you have specified.

▼ Shared accounts

Edit AMI permissions

Shared account ID

No shared accounts  
This AMI is not shared with any other accounts.  
Add account ID

### Share AMI with AWS account

AWS account ID

Enter the AWS account ID with which to share the AMI.

Enter account ID without hyphens.

CancelShare AMI

There is error sharing the AMI between accounts because EBS volumes encrypted using the KMS default key can not be shared with other accounts as default KMS keys are non shareable.

☐ Shared account ID

☐ 929060208084

Shared organizations/OUs (0)Remove selectedAdd organization/OU ARN

< 1 > ⚙

Shared organization/OU ARNs

This AMI is not shared with any organizations/OUs.

❌ Failed to modify image attribute

Snapshots encrypted with the AWS Managed CMK can't be shared. Specify another snapshot.

❌ Failed to modify snapshot attribute

Failed to modify attribute for snapshot snap-0f4e5d2ba935e574e. Encrypted snapshots with EBS default key cannot be shared.

CancelSave changes

## Step 4 - Create a custom KMS key in KMS to encrypt the AMI.

### Configure key

#### Key type [Help me choose](#)

☒ Symmetric

A single key used for encrypting and decrypting data or generating and verifying HMAC codes.

☐ Asymmetric

A public and private key pair used for encrypting and decrypting data or signing and verifying messages.

#### Key usage [Help me choose](#)

☒ Encrypt and decrypt

Use the key only to encrypt and decrypt data.

☐ Generate and verify MAC

Use the key only to generate and verify hash-based message authentication codes (HMAC).

#### ► Advanced options

Cancel

Next

### Add labels

#### Alias

You can change the alias at any time. [Learn more](#)

Alias

cmk-encryptedEBS

#### Description - optional

You can change the description at any time.

Description

Description of the key

#### Tags - optional

You can use tags to categorise and identify your KMS keys and help you track your AWS costs. When you add tags to

## Define key administrative permissions

### Key administrators (1/20)

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](#)

Q

< 1 2 >

<div><div></div></div>	Name	Path	Type
<input type="checkbox"/>	IAM-developer	/	User
<input type="checkbox"/>	IAM_S3_user	/	User
<input checked="" type="checkbox"/>	IAM_user-ShreyasK	/	User
<input type="checkbox"/>	aws-elasticbeanstalk-service-r...	/service-role/	Role
<input type="checkbox"/>	AWSServiceRoleForAmazonSSM	/aws-service-role/ssm.amazon...	Role
<input type="checkbox"/>	AWSServiceRoleForAPIGateway	/aws-service-role/ops.apigate...	Role
<input type="checkbox"/>	AWSServiceRoleForApplicatio...	/aws-service-role/dynamodb.a...	Role
<input type="checkbox"/>	AWSServiceRoleForElasticLoa...	/aws-service-role/elasticloadb...	Role
<input type="checkbox"/>	AWSServiceRoleForGlobalAcce...	/aws-service-role/globalaccele...	Role

## Define key usage permissions

### Key users (1/20)

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

Q

< 1 2 >


<div><div>−</div></div>	Name	Path	Type
<input type="checkbox"/>	IAM-developer	/	User
<input type="checkbox"/>	IAM_S3_user	/	User
<input checked="" type="checkbox"/>	IAM_user-ShreyasK	/	User
<input type="checkbox"/>	aws-elasticbeanstalk-service-r...	/service-role/	Role
<input type="checkbox"/>	AWSServiceRoleForAmazonSSM	/aws-service-role/ssm.amazon...	Role
<input type="checkbox"/>	AWSServiceRoleForAPIGateway	/aws-service-role/ops.apigate...	Role
<input type="checkbox"/>	AWSServiceRoleForApplicatio...	/aws-service-role/dynamodb.a...	Role
<input type="checkbox"/>	AWSServiceRoleForElasticLoa...	/aws-service-role/elasticloadb...	Role
<input type="checkbox"/>	AWSServiceRoleForGlobalAcce...	/aws-service-role/globalaccele...	Role
<input type="checkbox"/>	AWSServiceRoleForOrgnizati...	/aws-service-role/organization...	Role

**Step 5** - Create a copy of the AMI and select the custom KMS key created in the previous step for enabling encryption.

### Copy AMI [Info](#)

Create a copy of an Amazon Machine Image in a Region.

#### Copy Amazon Machine Image (AMI)

Original AMI ID  
 [ami-0d85683ae0e5b0a32](#)

AMI copy name

AMI copy description

Destination Region  
A copy of the original AMI will be created in the destination Region.


☐ Copy tags  
Includes your user-defined AMI tags when copying the AMI.


☒ Encrypt EBS snapshots of AMI copy  
Encrypts all snapshots in the AMI copy with the same key.


KMS key  
This is the KMS key used to encrypt the snapshots.

▼ KMS key details

Description  
-

Account ID  
 237042273450

KMS key ID  
 91ccc491-d6ef-440b-a45c-363d3ff916e6

KMS key ARN  
 arn:aws:kms:ap-south-1:237042273450:key/91ccc491-d6ef-440b-a45c-363d3ff916e6

[Cancel](#) [Copy AMI](#)

**Step 6** - Share with another account by adding the account Id of the target account.

Image share permission  
**Private**  
This image is only shared with account IDs, organizations, or OUs that you have specified.

▼ Shared accounts

[Edit AMI permissions](#)

< 1 > ⚙


Shared account ID

No shared accounts  
This AMI is not shared with any other accounts.


[Add account ID](#)

### AMI share settings

AMI ID

 [ami-0254abd4824e70cea](#)

Associated snapshot IDs

 [snap-0a4ca5d8e4fab8661](#)

☒ Add 'Create volume' permission to associated snapshots when creating account permissions.  
This setting only applies when you share an AMI with specific AWS accounts.

AMI availability

☐ Public  
Share the AMI publicly with all AWS users.


☒ Private - (current setting)  
Share the AMI with specific accounts, organizations, or OUs.

### Shared accounts (1)

Remove selected

Add account ID

< 1 >



<input type="checkbox"/>	Shared account ID
<input type="checkbox"/>	929060208084

**Step 7** - Check if the AMI is visible in the target account. Here it is visible in the target account in the “shared with me” section.

### AMI Catalog

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

#### AMIs

Create Template with AMI

Launch Instance with AMI

Quickstart AMIs (47)  
Commonly used AMIs

**My AMIs (3)**  
Created by me

AWS Marketplace AMIs (8040)  
AWS & trusted third-party AMIs

Community AMIs (500)  
Published by anyone

#### Refine results

Clear all filters


▼ Owner

☐ Owned by me

☒ Shared with me

#### All products (1 filtered, 3 unfiltered)

< 1 >



**EC2\_01\_mainAccountAMI\_CMK**

ami-0254abd4824e70cea

[Copied ami-0d85683ae0e5b0a32 from ap-south-1] EC2\_01\_mainAccountAMI

Platform: Other Linux Architecture: x86\_64 Owner: 237042273450 Publish date: 2023-07-12

Root device type: ebs Virtualization: hvm ENA enabled: Yes Boot mode: uefi-preferred

Select



**Step 8** - Try to launch an instance using this AMI in the target account.

**Name and tags** [Info](#)

Name

instance\_01\_sharedAMI\_EC2

Add additional tags

**▼ Application and OS Images (Amazon Machine Image)** [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Q Search our full catalog including 1000s of application and OS images

AMI from catalog

Recents

My AMIs

Quick Start

Amazon Machine Image (AMI)

EC2\_01\_mainAccountAMI\_CMK

ami-0254abd4824e70cea

Published

Architecture

Virtualization

Root device type

ENA Enabled

2023-07-12T09:34:04.000Z

x86\_64

hvm

ebs

Yes

Q

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

The EBS volume is encrypted here by default because the AMI is encrypted.

**▼ Configure storage** [Info](#) [Advanced](#)

1x

8

GiB

gp3

Root volume (Encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

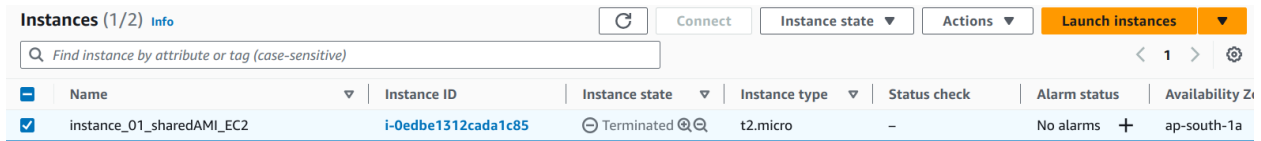
×

Add new volume

0 x File systems

Edit

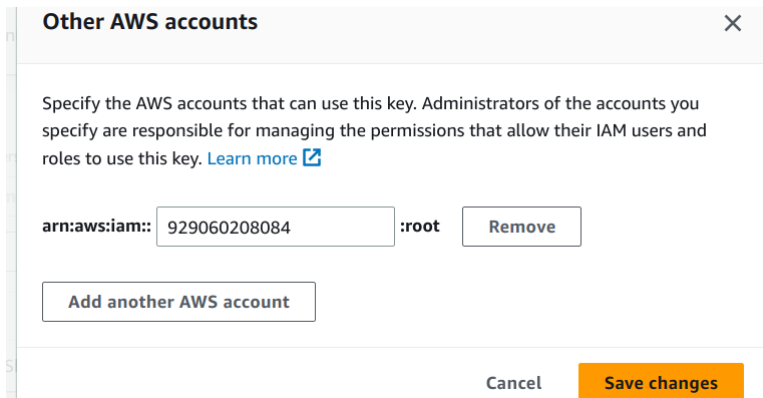
**Step 9** - The instance could not start and automatically terminated. Because the target account user does not have permission to access the KMS key in the source account which is used to encrypt the AMI.



The screenshot shows the AWS Management Console 'Instances' page. At the top, there are buttons for 'Connect', 'Instance state', 'Actions', and 'Launch instances'. Below these is a search bar and a table of instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. One instance, 'instance\_01\_sharedAMI\_EC2', is listed with Instance ID 'i-0edbe1312cada1c85', state 'Terminated', type 't2.micro', and availability zone 'ap-south-1a'.

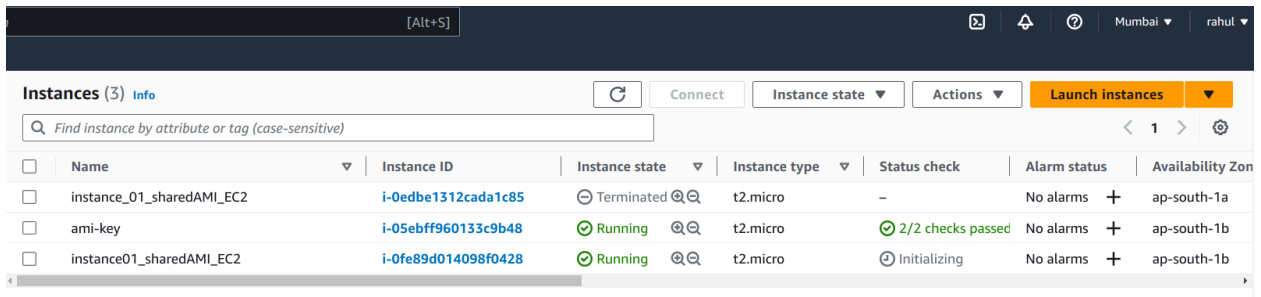
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
instance_01_sharedAMI_EC2	i-0edbe1312cada1c85	Terminated	t2.micro	-	No alarms	ap-south-1a

**Step 10** - Change the configuration of the KMS key created in earlier steps. Specify the account or user which can access the KMS key.



The screenshot shows the 'Other AWS accounts' dialog box. It contains a text area with instructions: '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'. Below this is a form with 'arn:aws:iam::' followed by a text input containing '929060208084', then ':root', and a 'Remove' button. At the bottom, there is an 'Add another AWS account' button, and 'Cancel' and 'Save changes' buttons at the very bottom.

**Step 11** - Launch another EC2 instance in the target account with the shared AMI. After giving access permission to the target account for the KMS key, the instance is launched and is running successfully.



The screenshot shows the AWS Management Console 'Instances' page with three instances. The first instance, 'instance\_01\_sharedAMI\_EC2', is 'Terminated'. The second instance, 'ami-key', is 'Running' with a status check of '2/2 checks passed'. The third instance, 'instance01\_sharedAMI\_EC2', is 'Running' with a status check of 'Initializing'. All three instances are 't2.micro' type and in the 'ap-south-1a' availability zone.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
instance_01_sharedAMI_EC2	i-0edbe1312cada1c85	Terminated	t2.micro	-	No alarms	ap-south-1a
ami-key	i-05ebff960133c9b48	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b
instance01_sharedAMI_EC2	i-0fe89d014098f0428	Running	t2.micro	Initializing	No alarms	ap-south-1b

Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

## Connectivity [Info](#)



### Compute resource

Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

☒ **Don't connect to an EC2 compute resource**  
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.

☐ **Connect to an EC2 compute resource**  
Set up a connection to an EC2 compute resource for this database.

### Virtual private cloud (VPC) [Info](#)

Choose the VPC. The VPC defines the virtual networking environment for this DB instance.

Default VPC (vpc-023b558325dhh9ea)  
3 Subnets, 3 Availability Zones **Default VPC (vpc-023b558325dbbb9ea)**

Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change its VPC.

### DB subnet group [Info](#)

Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.

default-vpc-023b558325dbbb9ea  
3 Subnets, 3 Availability Zones

### Public access [Info](#)

- ☐ **Yes**  
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.
- ☒ **No**

- ☒ **No**  
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.

### VPC security group (firewall) [Info](#)

Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.

☐ **Choose existing**  
Choose existing VPC security groups

☒ **Create new**  
Create new VPC security group

### New VPC security group name

RDS-SG

### Availability Zone [Info](#)

ap-south-1a

### RDS Proxy

RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.

- ☐ **Create an RDS Proxy** [Info](#)  
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see [Amazon RDS Proxy pricing](#).

### Certificate authority - optional [Info](#)

Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

rds-ca-2019 (default)

If you don't select a certificate authority, RDS chooses one for you.

### ► Additional configuration

**Step 2** - Create a security group for instance and allow “SSH” on port 22 and “MySQL/Aurora” on port 3306, set source to RDS security group to allow the RDS instance to connect with the instance.

The screenshot shows the 'Basic details' and 'Inbound rules' sections of an AWS Security Group configuration. In the 'Basic details' section, the 'Security group name' is 'Instance-SG', the 'Description' is 'allow inbound traffic for SSH and RDS', and the 'VPC' is 'vpc-023b558325dbbb9ea'. The 'Inbound rules' section contains two rules: one for SSH (Type: SSH, Protocol: TCP, Port range: 22, Source: Anywh..., Description: optional) and one for MySQL/Aurora (Type: MySQL/Aurora, Protocol: TCP, Port range: 3306, Source: Custom, Description: optional). The source for the MySQL/Aurora rule is set to a custom security group ID: 'sg-0ffdf5323b1e63582'.

**Step 3** - Configure the Security group associated with the RDS instance to allow inbound traffic from the EC2 instance’s security group.

The screenshot shows the 'Edit inbound rules' section of an AWS Security Group configuration. The 'Inbound rules' table lists two rules: one for MySQL/Aurora (Type: MySQL/Aurora, Protocol: TCP, Port range: 3306, Source: Custom, Description: optional) and one for All traffic (Type: All traffic, Protocol: All, Port range: All, Source: Custom, Description: optional). The source for the MySQL/Aurora rule is set to a custom security group ID: 'sg-0611e0d88a1b17dcf'. The source for the All traffic rule is set to a custom security group ID: 'sg-0a0f0d1cfd0f92aee'. The 'Add rule' button is visible at the bottom left. The 'Cancel', 'Preview changes', and 'Save rules' buttons are at the bottom right.

**Step 4** - Launch an EC2 instance and attach the previously created security group.

The screenshot shows the 'Name and tags' section of an AWS EC2 instance configuration. The 'Name' field is set to 'instance\_01'. The 'Add additional tags' button is visible to the right of the name field.

▼ Instance type [Info](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Linux pricing: 0.0124 USD per Hour

On-Demand Windows pricing: 0.017 USD per Hour

On-Demand RHEL pricing: 0.0724 USD per Hour

On-Demand SUSE pricing: 0.0124 USD per Hour

Free tier eligible

☒ All generations

[Compare instance types](#)

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

instancePEM

▼

↻

[Create new key pair](#)

▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-023b558325dbbb9ea

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☐ Create security group

☒ Select existing security group

Common security groups [Info](#)

Select security groups

Instance-SG sg-0a0f0d1cfd0f92aee X

VPC: vpc-023b558325dbbb9ea

↻

[Compare security group rules](#)

Security groups that you add or remove here will be added to or removed from all your network interfaces.

**Step 5 - Add the RDS database credentials to AWS secrets manager.**

Choose secret type

Secret type [Info](#)

☒ Credentials for Amazon RDS database

☐ Credentials for Amazon DocumentDB database

☐ Credentials for Amazon Redshift cluster

☐ Credentials for other database

☐ Other type of secret  
API key, OAuth token, other.

**Credentials** [Info](#)

Username

ShreyAdmin01

Password

ShreyAdmin!0117

☒ Show password

**Encryption key** [Info](#)

You can encrypt using the KMS key that Secrets Manager creates or a customer-managed KMS key that you create.

aws/secretsmanager

[Add new key](#)

**Database** [Info](#)

Q Search instances

< 1 >

	DB instance	DB engine	Status	Creation date
	task-db-instance	mysql	available	12 July 2023 at 10:2...

Cancel

Next

## Configure secret

**Secret name and description** [Info](#)

Secret name

A descriptive name that helps you find your secret later.

training/assignment/MySQL

Secret name must only contain alphanumeric characters and the characters /\_+=.@-

Description - optional

e.g. Access to MYSQL prod database for my AppBeta

Maximum 250 characters.

Secret is created successfully.

AWS Secrets Manager > Secrets

Secrets

Q Filter secrets by name, description, tag key, tag value, owning service or primary Region

< 1 > ⚙

Secret name

Description

Last retrieved (UTC)

training/assignment/MySQL

-

-

**Step 6** - Attach IAM role to the instance to allow it to access secrets in the secret manager.

The policy “SecretsManagerReadWrite” allows the instance to access the secrets in the secrets manager.

Add permissions [Info](#)

**Permissions policies** (Selected 1/863) [Info](#)  
Choose one or more policies to attach to your new role.

Filter policies by property or policy name and press enter. 1 match

"secrets" X Clear filters

<input checked="" type="checkbox"/>	Policy name <a href="#">Info</a>	Type	Description
<input checked="" type="checkbox"/>	SecretsManagerReadWrite	AWS m...	Provides read/write access to AWS Secrets Manager via the AWS Managem...

▶ **Set permissions boundary - optional** [Info](#)  
Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but you can use it to delegate permission management to others.

[Cancel](#) [Previous](#) [Next](#)

## Modify IAM role [Info](#)

Attach an IAM role to your instance.

Instance ID

i-0afee6122c877b381 (instance\_01)

IAM role

Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.

SecretsManager\_ReadRole



[Create new IAM role](#)

[Cancel](#)

[Update IAM role](#)

**Step 7** - Connect to the EC2 instance and retrieve the credentials of the RDS instance stored in the secrets manager.

Run the “aws secretsmanager get-secret-value” command with the Secret ARN value.

It returns the secret value that is the username and password of the database.

```
ubuntu@ip-172-31-41-81:~$ aws secretsmanager get-secret-value --secret-id arn:aws:secretsmanager:ap-south-1:237042273450:secret:training/assignment/MySQL-yCPAZM
{
  "ARN": "arn:aws:secretsmanager:ap-south-1:237042273450:secret:training/assignment/MySQL-yCPAZM",
  "Name": "training/assignment/MySQL",
  "VersionId": "ee24c59b-8afb-45ec-ba07-9e48c584081f",
  "SecretString": "{\"username\":\"ShreyAdmin01\",\"password\":\"ShreyAdmin0117\",\"engine\":\"mysql\",\"host\":\"task-db-instance.c8uunxdnjceb.ap-south-1.rds.amazonaws.com\",\"port\":3306,\"dbInstanceIdentifier\":\"task-db-instance\"}",
  "VersionStages": [
    "AWSCURRENT"
  ],
  "CreateDate": "2023-07-12T10:35:07.834000+00:00"
}
```



```
ubuntu@ip-172-31-41-81:~$ mysql -h task-db-instance.c8uunxdnjceb.ap-south-1.rds.amazonaws.com -P 3306 -u ShreyAdmin01 -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 34
Server version: 8.0.33 Source distribution

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.00 sec)
```