

* [**Step 1: Create a MySQL DB instance**](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_GettingStarted.CreatingConnecting.MySQL.html#CHAP_GettingStarted.Creating.MySQL)**:**

\*Go to RDS service and create a database.

\*Choose easy create as database creation method

\*Choose MySQL as configuration

\*Select DB instance size and identifier (name for the database)

\*Create a master username. After that you can either autogenerate a master password or you can do it manually.

\*Create a database.

\*You can view the credential details of the master.

\*Wait until the database status become available.

* [**Step 2: Create an EC2 instance**](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_GettingStarted.CreatingConnecting.MySQL.html#CHAP_GettingStarted.Creating.MySQL.EC2)**:**

\*Go to EC2 service and click on launch instance.

\*Give a name for the instance.

\*Choose an AMI image if you are choosing Amazon linux make sure that the image is previous version of 2023 as it doesnot support MySQL.

\*Choose instance type and create a keypair.

\*In the network settings make sure that the instance is created in the same VPC and subnet as of the previously created RDS database.

\*Auto assign the public IP. And create a security group with inbound rules of type SSH and source type My IP.

\*Launch the instance.

* [**Step 3: Connect your EC2 instance and MySQL DB instance automatically**](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_GettingStarted.CreatingConnecting.MySQL.html#CHAP_GettingStarted.Connecting.EC2.MySQL)**:**

\*Now go to RDS to connect the database to the EC2 that was created.

\*Go to database in the actions click on set up EC2 connection.

\*Select the EC2 instance and continue.

\*Review the connection summary and confirm and setup.

* [**Step 4: Connect to a MySQL DB instance**](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_GettingStarted.CreatingConnecting.MySQL.html#CHAP_GettingStarted.Connecting.MySQL)**:**

\*Connect the Ec2 instance using the SSH client

\*Check whether the instance is updated or not using the following command:

sudo yum update -y

\*Give the command sudo yum install mariadb

\*Connect the MySQL database using the command:

mysql -h endpoint -P 3306 -u admin -p

🡪You can get the end point in the connectivity & security of the database created.

\*Run SQL commands for example,

SELECT CURRENT\_TIMESTAMP;

\*Create a sample table.

🡪CREATE DATABASE sampledb;

🡪USE sampledb;

CREATE TABLE sampletable (

id INT NOT NULL AUTO\_INCREMENT,

name VARCHAR(50) NOT NULL,

PRIMARY KEY (id)

);

🡪SHOW TABLES;

🡪INSERT INTO sampletable (name) VALUES ('John');

INSERT INTO sampletable (name) VALUES ('Jane');

🡪SELECT \* FROM sampletable;

* [**Step 5: Delete the EC2 instance and DB instance**](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_GettingStarted.CreatingConnecting.MySQL.html#CHAP_GettingStarted.Deleting.MySQL)**:**

\*Delete the created EC2 instances and Database.