

1. Below are the commands used to access the database through EC2 instance. Employee table has been created which has the employee details.

-sudo su

-yum install mysql

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

Enter password

-show databases;

-create database Project;

-use Project;

-create table Project.employee(empid integer,empName varchar(20),empDept varchar(20),empSalary integer);

-insert into Project.employee values(1,"Rohit", "IT",50000);

-insert into Project.employee values(1,"Mansi", "Sales",55000);

-insert into Project.employee values(1,"Aditi", "HR",35000);

-select * from Project.employee;

-select empName from Project.employee where empid=3;

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Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
11 package(s) needed for security, out of 35 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-47-33 ~]$ sudo su
[root@ip-172-31-47-33 ec2-user]# yum install mysql
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
mariadb x86_64 1:5.5.68-1.amzn2 amzn2-core 8.8 M
Transaction Summary
=====
Install 1 Package

Total download size: 8.8 M
Installed size: 49 M
Is this ok [y/d/N]: y
Downloading packages:
mariadb-5.5.68-1.amzn2.x86_64.rpm | 8.8 MB 00:00:00
```

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mariadb-5.5.68-1.amzn2.x86_64.rpm | 8.8 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : 1:mariadb-5.5.68-1.amzn2.x86_64 1/1
  Verifying : 1:mariadb-5.5.68-1.amzn2.x86_64 1/1

Installed:
  mariadb.x86_64 1:5.5.68-1.amzn2

Complete!
[root@ip-172-31-47-33 ec2-user]# mysql -h projectdb.cmwry523zjlb.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 8.0.23 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MySQL [(none)]> show databases;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'dat
abases' at line 1
MySQL [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+

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4 rows in set (0.00 sec)

MySQL [(none)]> create database Project;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]> use Project;
Database changed
MySQL [Project]> create table Project.employee(empid integer,empName varchar(20),empDept varchar(20),empSalary integer);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '.em
pDept varchar(20),empSalary integer)' at line 1
MySQL [Project]> create table Project.employee(empid integer,empName varchar(20),empDept varchar(20),empSalary integer);
Query OK, 0 rows affected (0.03 sec)

MySQL [Project]> insert into Project.employee values(1,"Rohit","IT",500000);
Query OK, 1 row affected (0.01 sec)

MySQL [Project]> insert into Project.employee values(2,"Mansi","Sales",550000);
Query OK, 1 row affected (0.01 sec)

MySQL [Project]> insert into Project.employee values(3,"Aditi","HR",350000);
Query OK, 1 row affected (0.00 sec)

MySQL [Project]> select * from Project.employee;
+-----+
| empid | empName | empDept | empSalary |
+-----+
| 1 | Rohit | IT | 500000 |
| 2 | Mansi | Sales | 550000 |
| 3 | Aditi | HR | 350000 |
+-----+
3 rows in set (0.00 sec)

MySQL [Project]> select empName from Project.employee where empid=3;
+-----+

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MySQL [Project]> select empName from Project.employee where empid=3;
+-----+
| empName |
+-----+
| Aditi |
+-----+
1 row in set (0.00 sec)

MySQL [Project]> █

```