

LAB ACTIVITY

Creating an Amazon RDS Instance and Connecting it to EC2

Objective:

To create a MySQL database using Amazon RDS and connect it to an EC2 instance for remote access.

Steps:

1. Launch EC2 Instance:

- Go to AWS EC2 and Launch Instance
- Choose Amazon Linux 2, type t2.micro
- Create or use a key pair
- In Security Group, allow SSH (port 22)
- Launch the instance

2. Create RDS Security Group:

- Go to EC2 -> Security Groups -> Create
- Allow MySQL (port 3306)
- Source: Select the EC2 security group

3. Create RDS Instance:

- Go to AWS RDS -> Create Database
- Engine: MySQL, Free tier
- Set DB name, master user (admin) and password
- Enable public access
- Choose the RDS security group
- Launch DB and wait till status is Available

4. Connect EC2 to RDS:

- SSH into EC2:
`ssh -i <key>.pem ec2-user@<ec2-public-ip>`
- Install MySQL client:

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```
sudo yum install mysql -y
```

- Connect to RDS:

```
mysql -h <RDS-endpoint> -u admin -p
```

- Enter password and connect

Result:

Successfully created a MySQL RDS instance and connected it via an EC2 instance using the MySQL client.