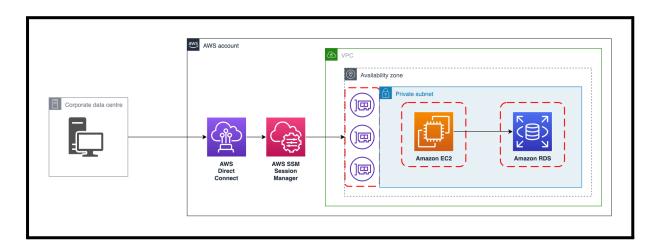
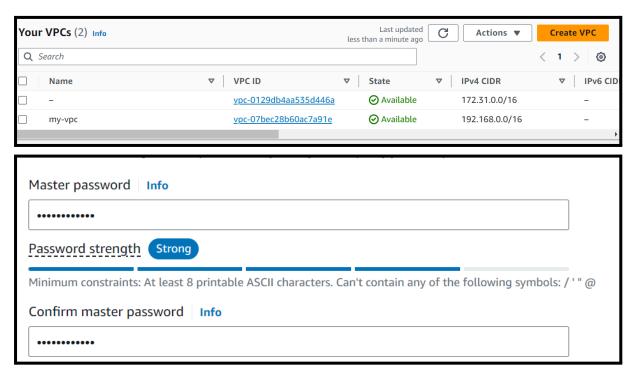
AIM: Connecting RDS (relational database services) with EC2



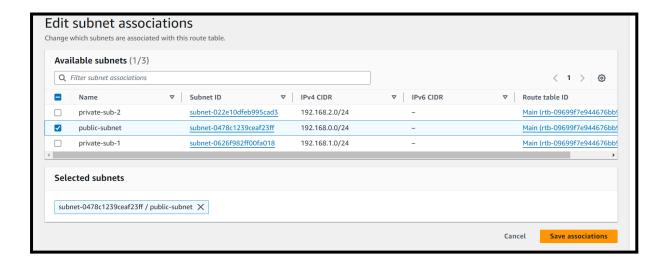
1. Create VPC



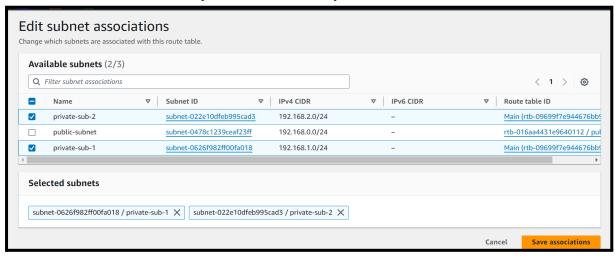
Give subnets



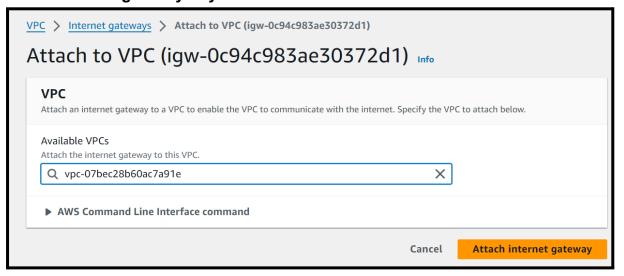
Give subnet associations public-rt to public-subnet



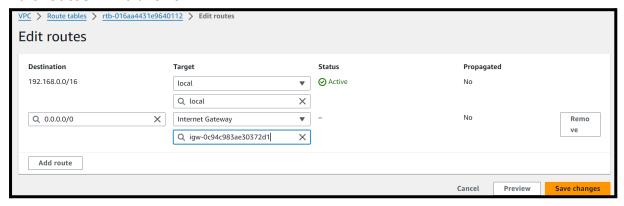
Give subnet associations private-rt to both private-subnet



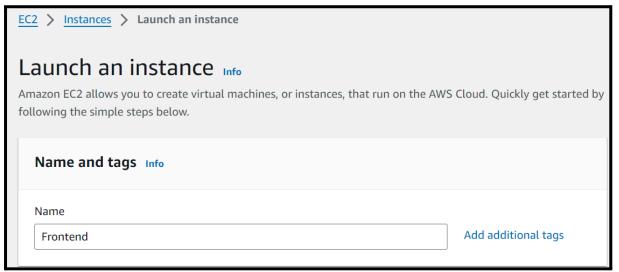
Attach internet gateway to your VPC



Edit routes in Public-rt

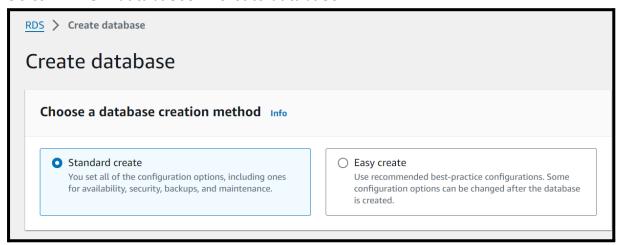


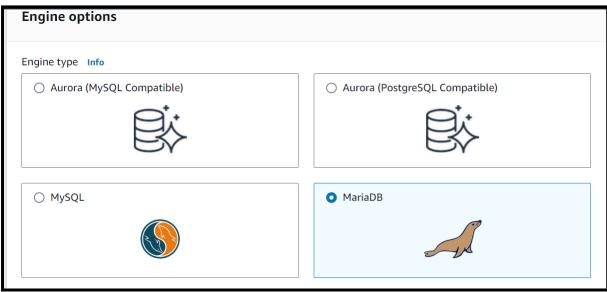
Create EC2 in Singapore Region

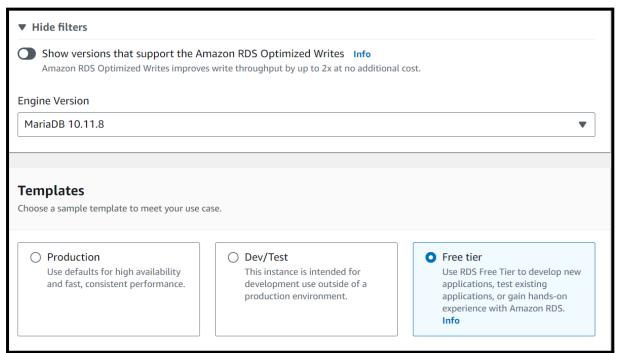


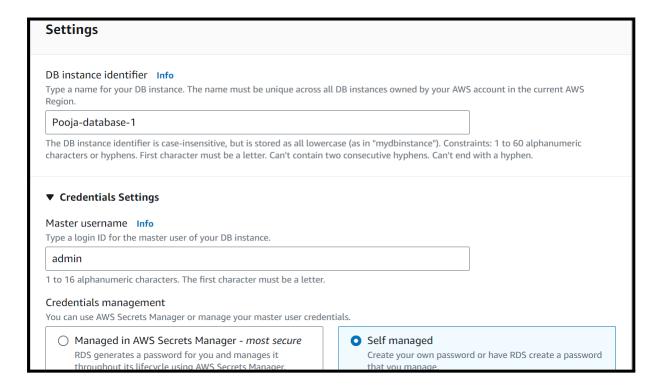


Go to > RDS > databases > create database

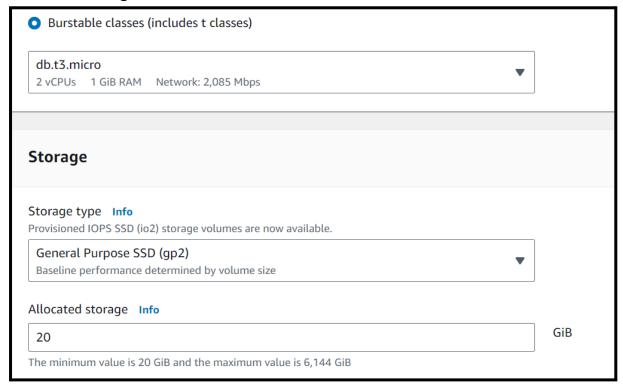


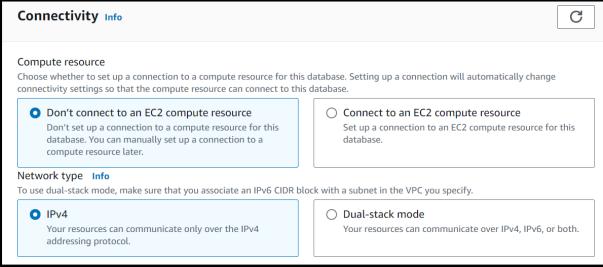


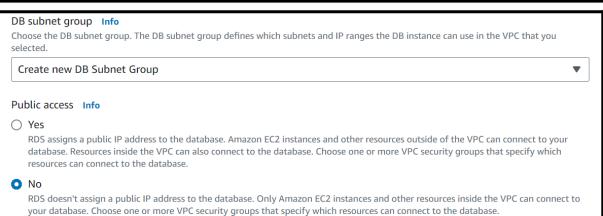




Password - Magicbus1234

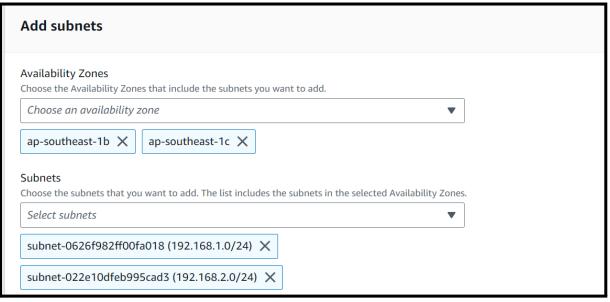


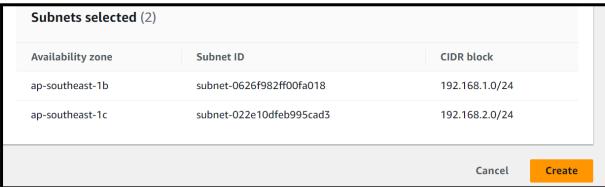


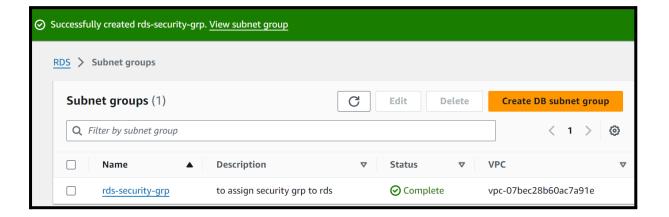


In RDS > create subnet group

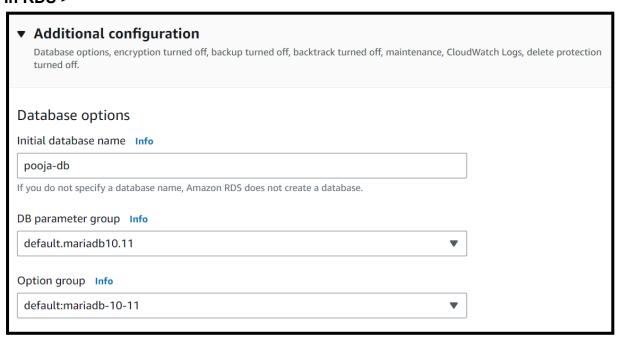
Create DB subnet group To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC. Subnet group details Name You won't be able to modify the name after your subnet group has been created. rds-security-grp Must contain from 1 to 255 characters. Alphanumeric characters, spaces, hyphens, underscores, and periods are allowed. Description to assign security grp to rds VPC Choose a VPC identifier that corresponds to the subnets you want to use for your DB subnet group. You won't be able to choose a different VPC identifier after your subnet group has been created. my-vpc (vpc-07bec28b60ac7a91e)



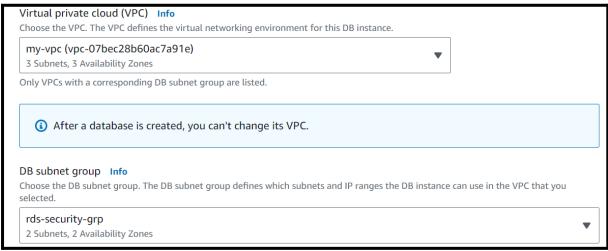


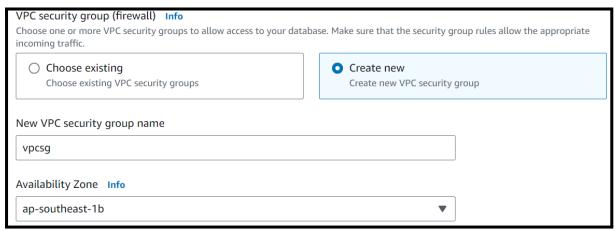


In RDS >

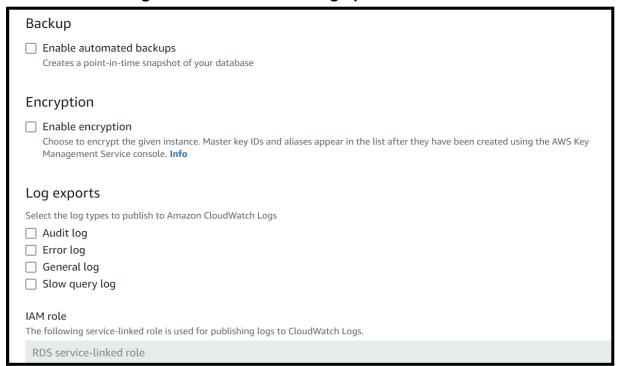


Assign security group

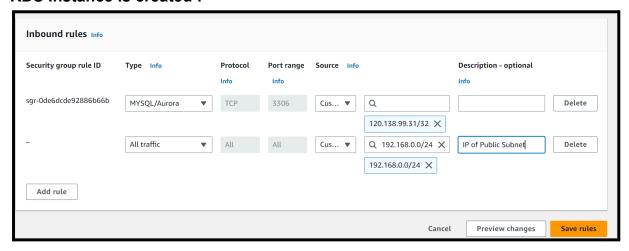


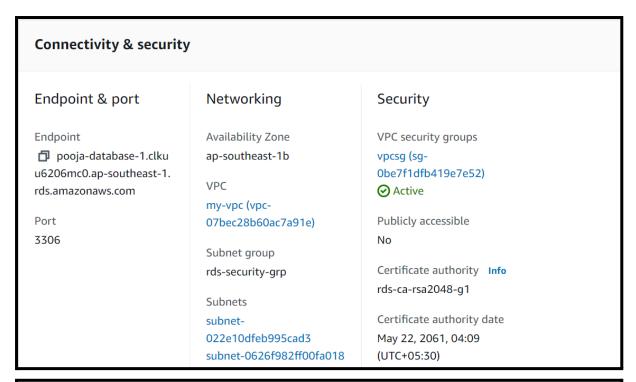


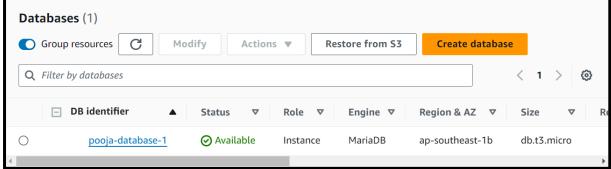
In additional configuration disable following options:



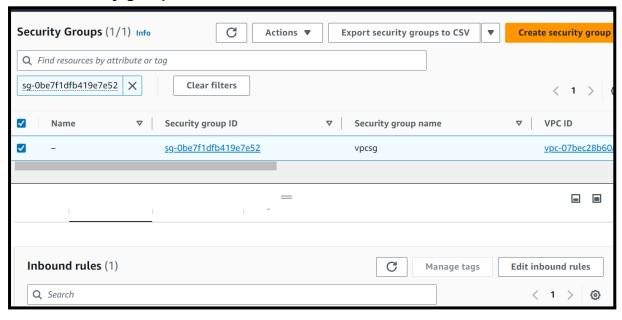
RDS Instance is created:





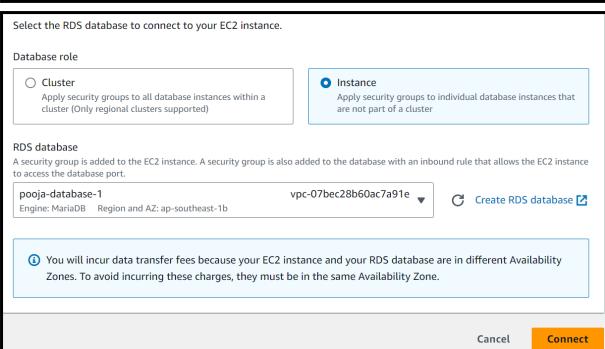


RDS > Security group > inbound rules > edit

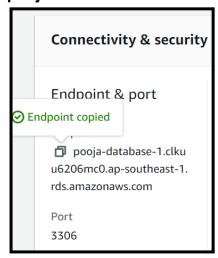


Connect EC2 Instance:





pooja-database-1.clkuu6206mc0.ap-southeast-1.rds.amazonaws.com



```
[root@ip-192-168-0-186 ec2-user]# mysql -u admin -p -h pooja-database-1.clkuu6206mc0.ap-southeast-1.rds.amazonaws.com
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 49
Server version: 10.11.8-MariaDB managed by https://aws.amazon.com/rds/
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]>
```

```
MariaDB [(none)]> create database pooja;
Query OK, 1 row affected (0.001 sec)
MariaDB [(none)]> show databases;
| Database
| information schema |
| innodb
mysql
| performance schema |
pooja
| poojadb
sys
7 rows in set (0.001 sec)
MariaDB [(none)]> use database pooja
ERROR 1049 (42000): Unknown database 'database'
MariaDB [(none)]> use pooja
Database changed
```

Syntax for Creating a Table:

create table table1(id int,name varchar(30),salary int);

```
MariaDB [pooja] > create table table1(id int, name varchar(30), salary int); Query OK, 0 rows affected (0.006 sec)
```

INSERT INTO table1 (id, name, salary) values (2,'Pooja Kharade', 90000), (3, 'Juli Chaurasiya', 55000), (4, 'Sonam Bharti', 60000);

```
MariaDB [pooja]> INSERT INTO table1 (id, name, salary) values (2,'Pooja Kharade', 90000), (3, 'Juli Chaurasiya', 55000), (4, 'Sonam Bharti', 60000);

Query OK, 3 rows affected (0.002 sec)

Records: 3 Duplicates: 0 Warnings: 0
```

SELECT * FROM table1;

UPDATE table1 SET salary = 62000 WHERE id = 2;

```
MariaDB [pooja] > UPDATE table1 SET salary = 62000 WHERE id = 2;
Query OK, 1 row affected (0.002 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

DELETE FROM table1 WHERE id = 4;