**Lab - RDS**

**Relational Database Service (RDS)**

In this hands-on exercise, you will create a MySQL database instance using RDS.

**Prerequisites:**

* AWS Account

**Topics Covered:**

By the end of this lab, you will be able to:

* Launch a MySQL database

**Steps:**

1. **Launch MySQL Database**
   * On the AWS Management Console page, type rds in the Find Services box and then select RDS.
   * On the left-hand side, click Databases.
   * Click Create database.
   * Under engines option, select MySQL and click the Next button
   * Under Instance specifications, leave the defaults.
   * Under the Settings section:
     + Enter a name for the instance under DB instance identifier

Note: This will not be the database name.

* + Enter a Master username
  + Enter a Master password and confirm the password.
  + Click Next
  + For Virtual Private Cloud (VPC), select Create new VPC.
  + Ensure Create new DB Subnet Group is selected.
  + Leave the defaults for Subnet group, Public accessibility, Availability zone, and VPC security groups.
  + Under Database options, enter a Database name and leave the rest as defaults.
  + Under Deletion protection, uncheck Enable deletion protection. ***Important:*** In a real production scenario, you would leave this option checked.
  + Click Create database`.

1. **View Instance Details**
   * Once your database is created, open it by clicking on View DB Instance details.
   * Make sure the DB instance status shows available.
   * Scroll through and observe how the instance is configured.
2. **Delete Database Instance** Clean up the resources to avoid recurring charges.
   * From the RDS Dashboard homepage, select Databases from the left-hand navigation pane.
   * Select your newly created database by clicking on the name radio button next to the name.
   * From the Actions menu, select Delete.
   * In the confirmation popup:
     + Uncheck Create final snapshot
     + Select I acknowledge that upon instance deletion, automated backups, including system snapshots and point-in-time recovery, will no longer be available.
     + Enter the requested confirmation for deletion.
     + Click the Delete button