Lab 10 - Database Layer

This lab presents one guided lab to create an RDS database, and one challenge within the Cafe case study. In Task 1, you'll complete a short lab in which you create a RDS database. In Task 2, you will work on the Cafe project and migrate data from a database on an EC2 instance to Amazon RDS.

Submission

To submit your work, first submit it through AWS Academy. I will have access to your submission there. However, please also take screenshots of your submission and add them to this file to submit on Moodle, as I need to keep a record of your submission there as well.

1. Screenshot of Task 1 - AWS RDS (40%)
   (add the screenshot here)
2. Screenshot of Task 2 - AWS VPC (60%)
   (add the screenshot here)

Tasks

Tasks 1 and 2 are outlined below. You can begin working on them immediately and skip the rest of this manual. However, the manual contains additional tutorials and help should you need it for tasks.

Task 1 - Guided lab: Creating an Amazon RDS Database

https://awsacademy.instructure.com/courses/100621/assignments/1098616?module_item_id=9324478

Task 2 - Challenge (Cafe): Migrating a Database to Amazon RDS

https://awsacademy.instructure.com/courses/100621/assignments/1098589?module_item_id=9324491

Helpful Resources

Please note that this lab doesn't provide detailed instructions like previous introductory labs. I highly recommend keeping each lab's student guide page open as you complete the lab, since it provides background information. If you need a refresher or encounter unfamiliar topics, several tutorials on relevant services are provided below. Your instructor is also available to answer any questions.

Task 2 - Challenge (Cafe): Migrating a Database to Amazon RDS

Student guide

https://awsacademy.instructure.com/courses/100621/modules/items/9324470

Guided lab: Creating an Amazon RDS Database

https://awsacademy.instructure.com/courses/100621/assignments/1098616?module_item_id=9324478

Amazon RDS proxy connection management

https://awsacademy.instructure.com/courses/100621/modules/items/9324480

Demo: Amazon RDS Automated Backup and Read Replicas

https://awsacademy.instructure.com/courses/100621/modules/items/9324482

Amazon DynamoDB

https://awsacademy.instructure.com/courses/100621/modules/items/9324485

Migrating data into AWS databases

https://awsacademy.instructure.com/courses/100621/modules/items/9324489

Good Luck!