Managed Services on AWS - Hands on Submission - Option 1

Project 1

CloudWithAWS-TIO-20

Try it out objective

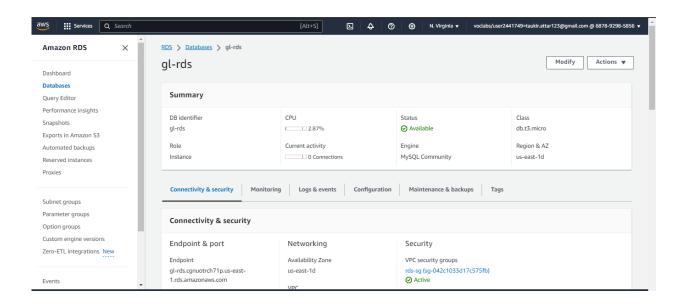
Use this hands-on to get started with managed relational database service - RDS.

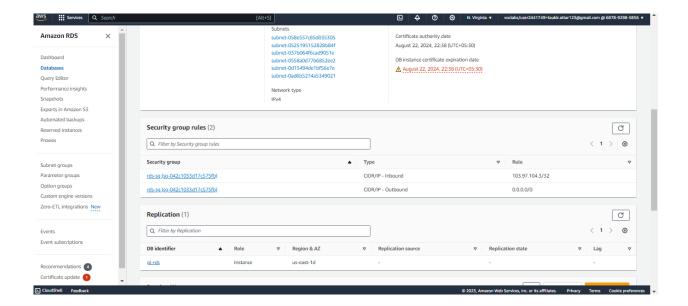
The goal

The following are the goals of this hands-on:

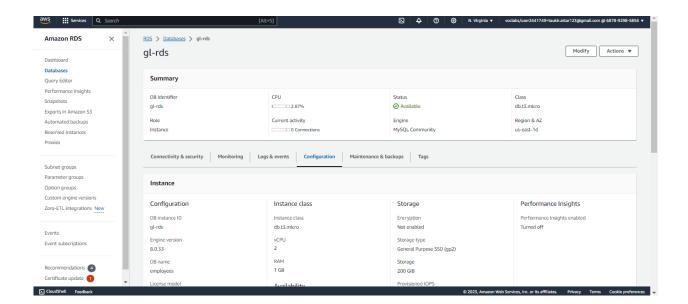
- 1. Create a MySQL RDS fully managed instance
- 2. Understand the simplicity of database management on the cloud

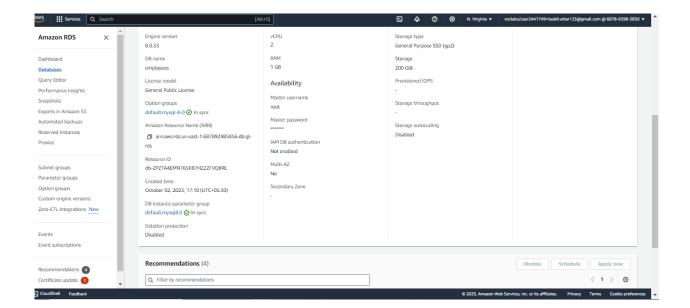
A. Hands-on: Create the database



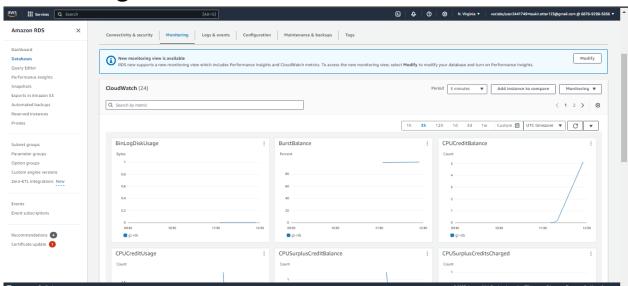


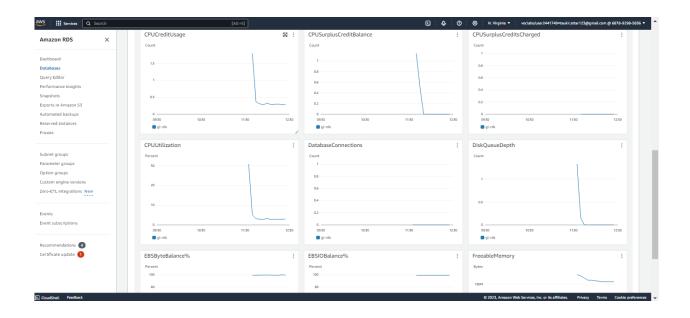
Configuration





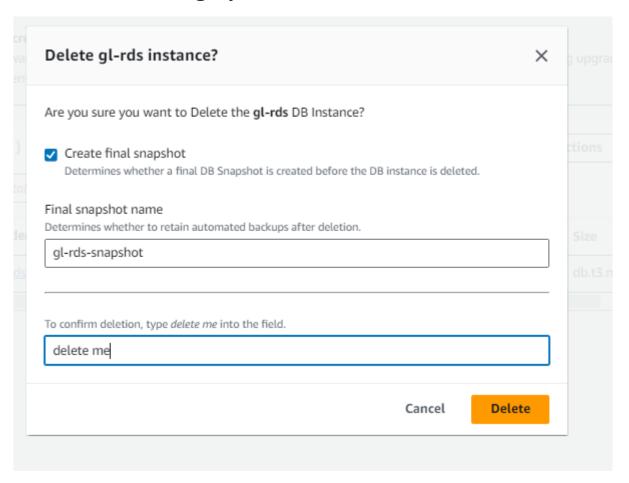
Monitoring

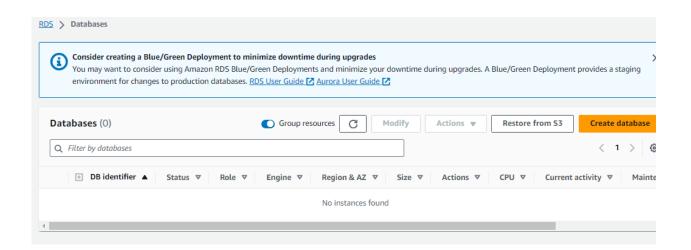




- 1. In the above screen shot I have created database.
- 2. The region is N Virginia.
- 3. In database creation card selected standard create.
- 4. In engine option card selected My SQL.
- 5. Templates card click the Dev/Test
- 6. In Settings card selected DB instance identifier text field gl-rds
- 7. In the Credentials Settings section, the Master username is root
- 8. Master password and Confirm password is password.
- 9. Then selected Bustable classes and db.t3.micro I have selected
- 10. Under the Storage card the storage type is GeneralPurposeSSD(gp2)
- 11. Enable storage auto scaling
- 12. In availability & durability card stand by instance is not created
- 13. For the New VPC security group name is rds-sg
- 14. For the Initial data base name field employees
- 15. Enable automated backups
- 16. Enable encryption
- 17. Enable enhanced monitoring
- 18. Enable auto minor version upgrade

B. Hands-On: Cleaning up!





- 1. In RDS management console under Amazon RDS click Databases
- 2. DB identifier gl-rds on delete option enter delete me

.

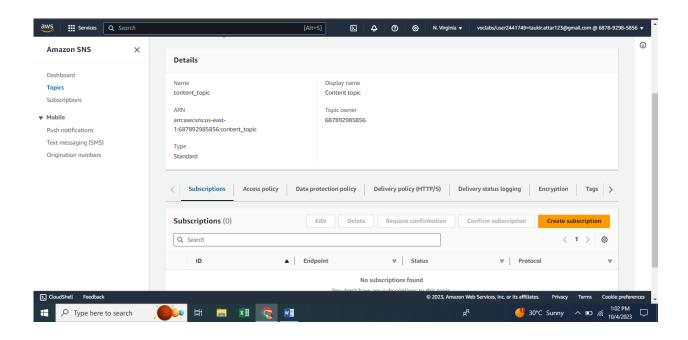
Project 2 CloudWithAWS-TIO-21

The goal

The following are the goals of this handson:

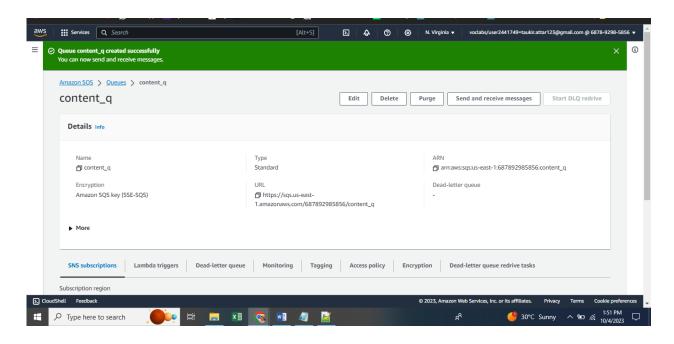
- 1.Create the SNS topic and a Queue
- 2. Create a subscription in SNS for the Queue
- 3. Ensure the permission is granted for SNS to push the message to SQS
- 4. Publish a message in SNS and observe it in the SQS console

A. Hands-on: Create the SNS topic



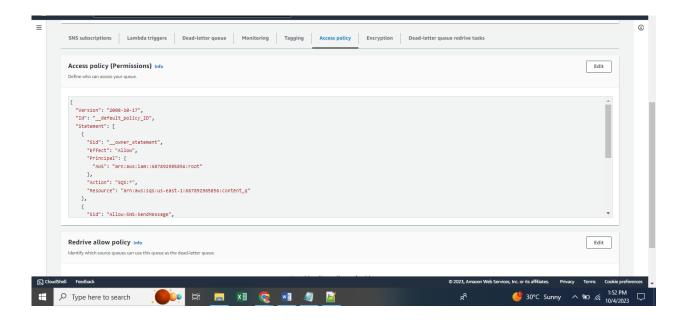
- 19. In the above screen shot I have created SNS topic.
- 20. The region is N Virginia.
- 21. Name of the text field name is content_topic.
- 22. Display name is Content topic.

B. Hands-On: Create the SQS queue



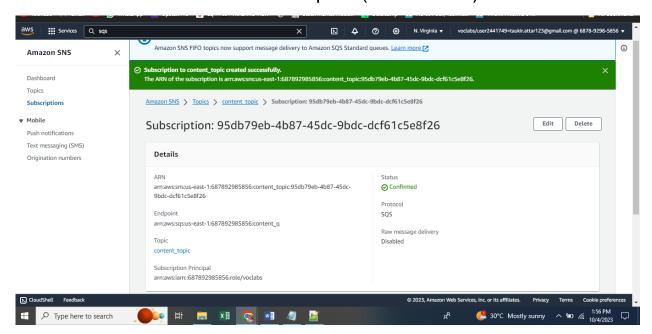
- 1. In the above screen shot I have created SQS topic.
- 2. The region is N Virginia.
- 3. Text field name is content_q.
- 4. Under the Configuration card make the following changes.
- 5. For the Visibility time out change the value to 10 Seconds.
- 6. For the Message retention period change the value to 15 Minutes.
- 7. For the Maximum message size change the value to 64 KB.

Access policy



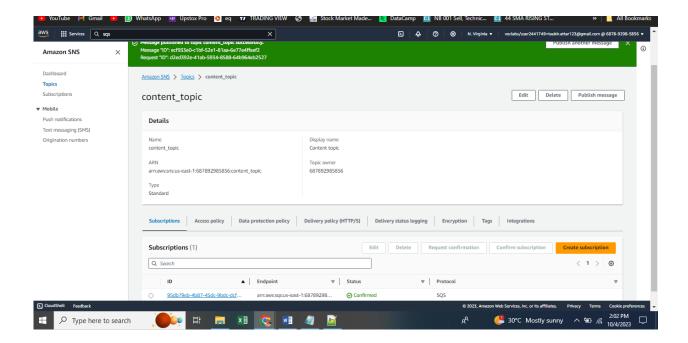
In the above screen shot I have made changes in JSON script by adding my AWS acc id in the given JSON script and replace the text marked by NNNNNNNNN to acc id

C. Hands-On: Create the subscription(SNS->SQS)



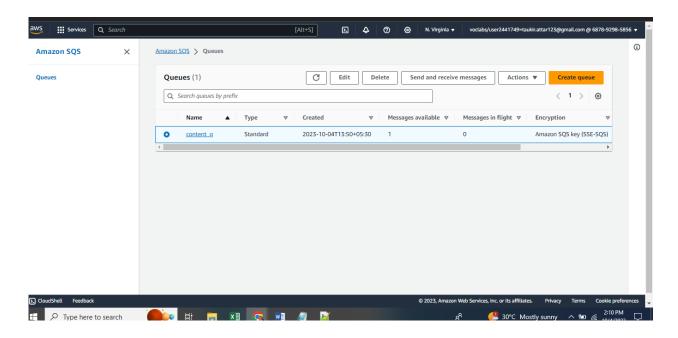
- 1. From The Protocol dropdown I have selected Amazon SQS.
- 2. Then Clicked on the End point search text field and select the arn of the content_q
- 3. Then Clicked on the Create subscription button
- 4. In the above screen shot I have created subscription between SNS and SQS

Publish message



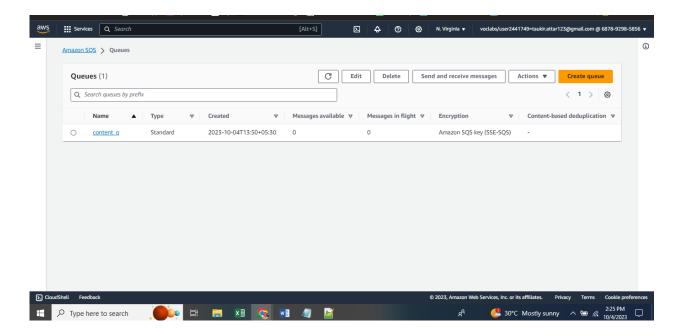
- 1. To publish message the subject field name is sample.
- 2. The Message body to send to the end point text area is This is a sample message.
- 3. Once every this is created so clicked on publish message button

Message available shows 1



- 1. In the above screen shot I went to SQS management console tab and refresh the page
- 2. Notice the Message is available it shows 1 in thee message tab

B. Hands-On: Cleaning up!



- 1. Went to the SQS management console, and listing the queues.
- 2. Then clicked on the radio to the left of the content_q and click Delete button from the top right side of the screen.
- 3. Type delete in the confirmation window and click Delete button.
- 4. Then went to the SNS management console listing the topics
- 5. Then clicked on the radio to the left of the content_topic and click Delete button from the top right side of the screen.
- 6. Type delete me in the confirmation window and click Delete button