Managed Services on AWS - Hands on Submission -
Project 1

CloudWithAWS-TIO-20

Try it out objective

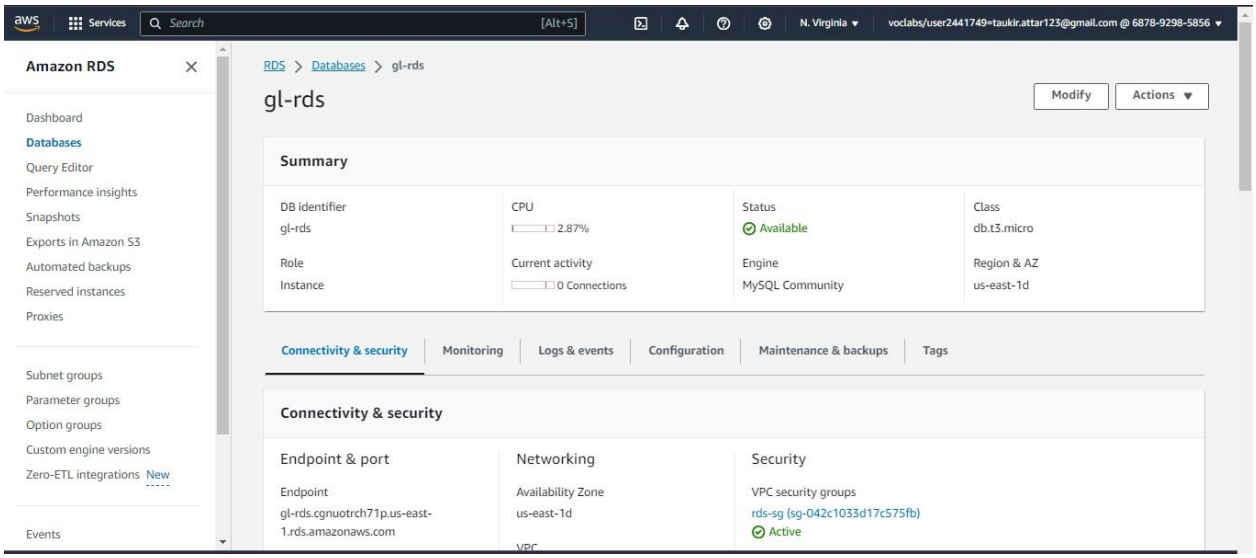
Use this hands-on to get started with managed relational database service - RDS.

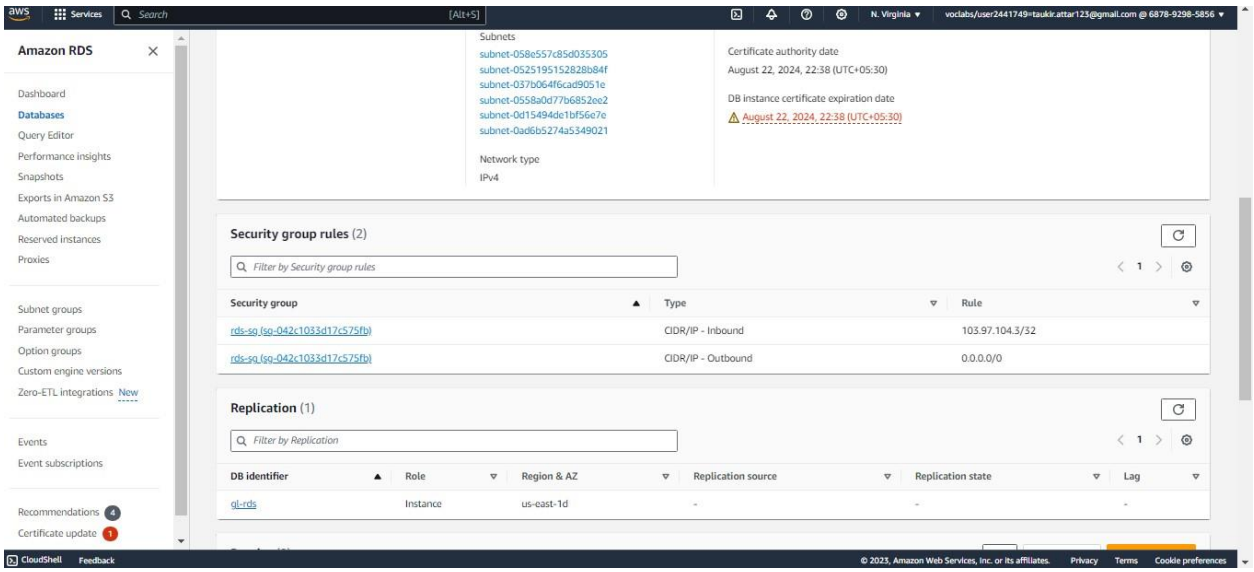
The goal

The following are the goals of this hands-on:

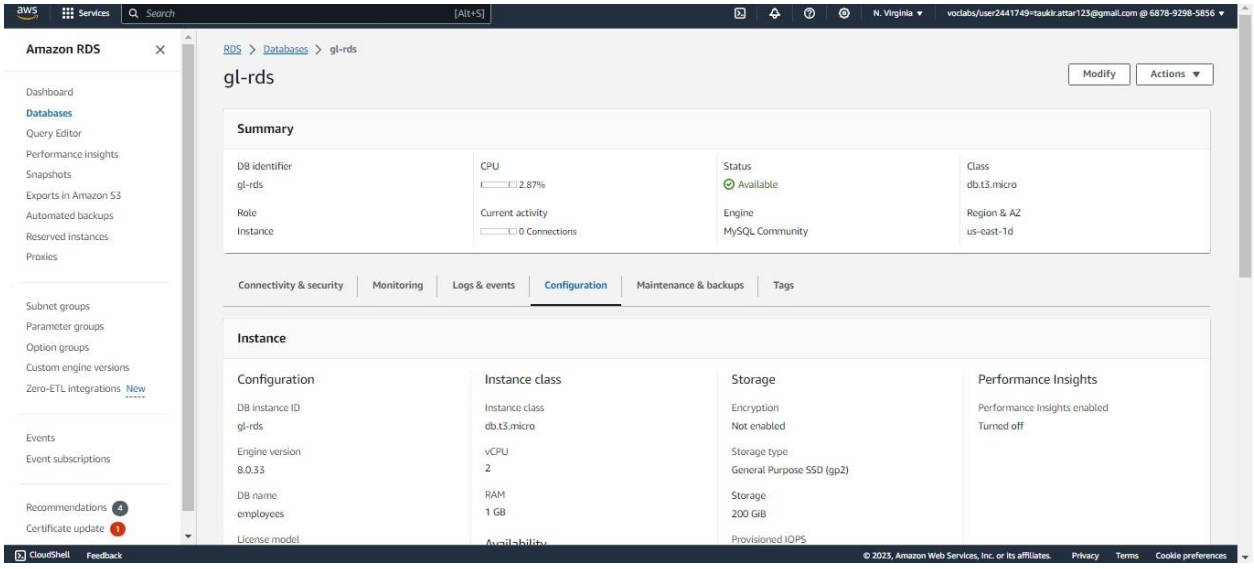
1. Create a MySQL RDS fully managed instance
2. Understand the simplicity of database management on the cloud

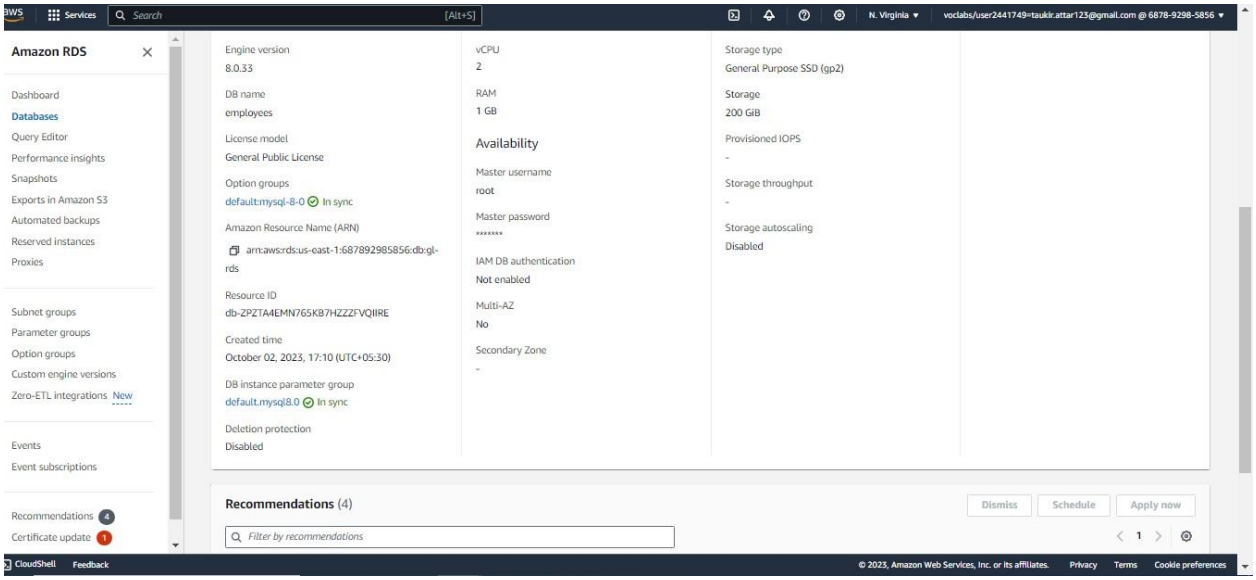
A. Hands-on: Create the database





Configuration




Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Zero-ETL integrations New
Events
Event subscriptions
Recommendations 4
Certificate update 1
Engine version
8.0.33
DB name
employees
License model
General Public License
Option groups
default:mysql-8-0 In sync
Amazon Resource Name (ARN)
arn:aws:rds:us-east-1:687892985856:db:gl-rds
Resource ID
db-ZPZTA4EMN765KB7HZZZFVQIIRE
Created time
October 02, 2023, 17:10 (UTC+05:30)
DB instance parameter group
default.mysql8.0 In sync
Deletion protection
Disabled
vCPU
2
RAM
1 GB
Availability
Master username
root
Master password
IAM DB authentication
Not enabled
Multi-AZ
No
Secondary Zone
Storage type
General Purpose SSD (gp2)
Storage
200 GiB
Provisioned IOPS
Storage throughput
Storage autoscaling
Disabled
Recommendations (4)
Filter by recommendations
Dismiss
Schedule
Apply now
CloudShell
Feedback
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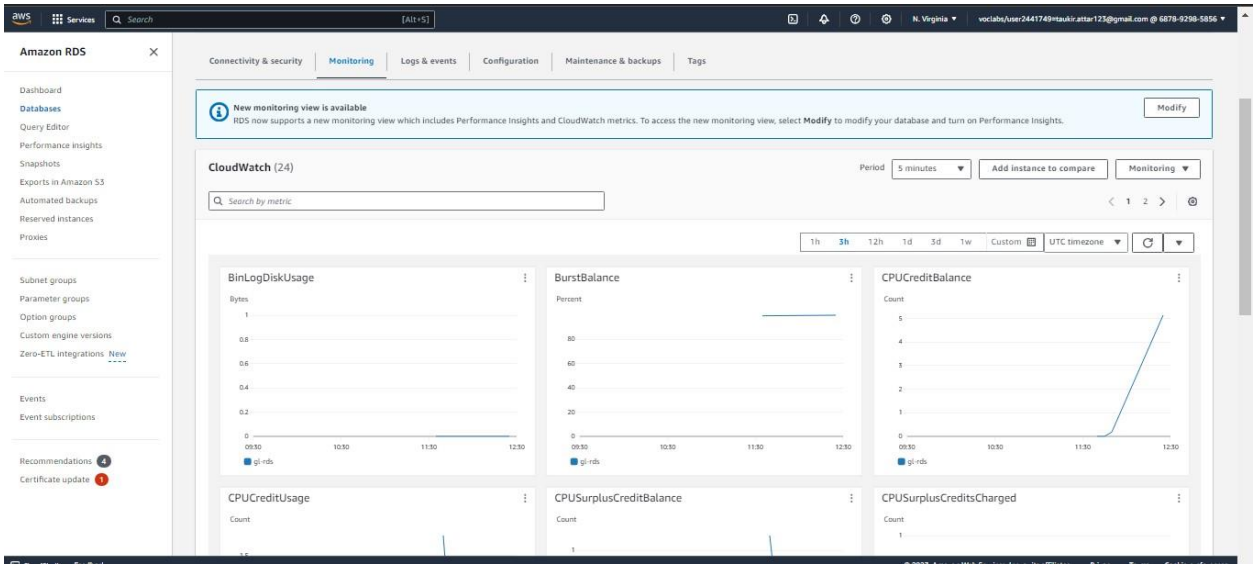
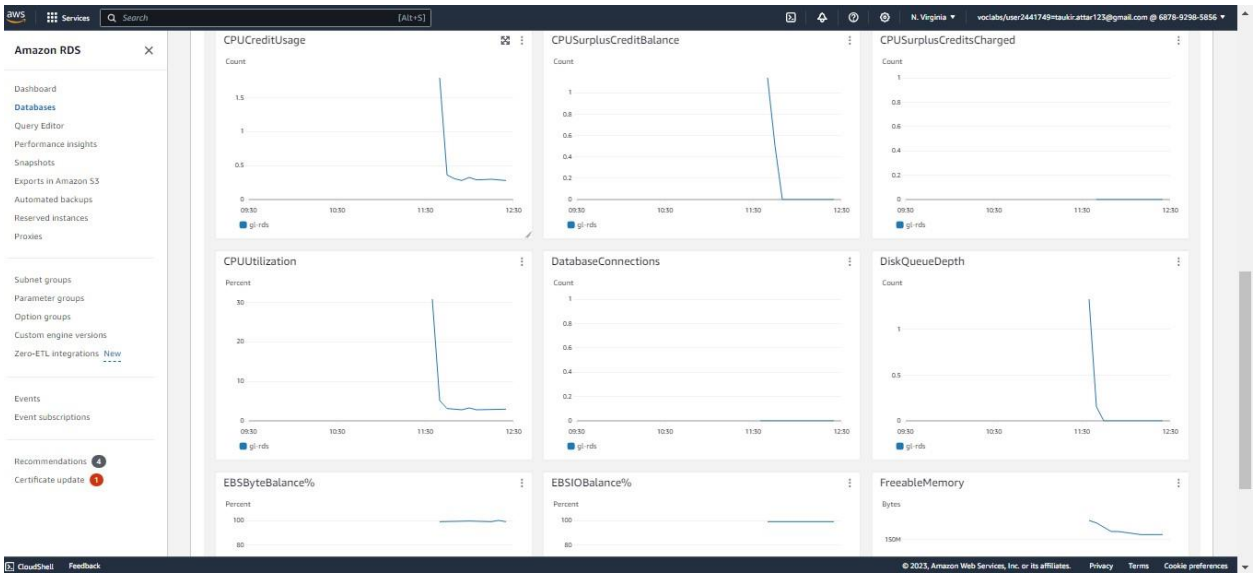
Privacy
Terms
Cookie preferences

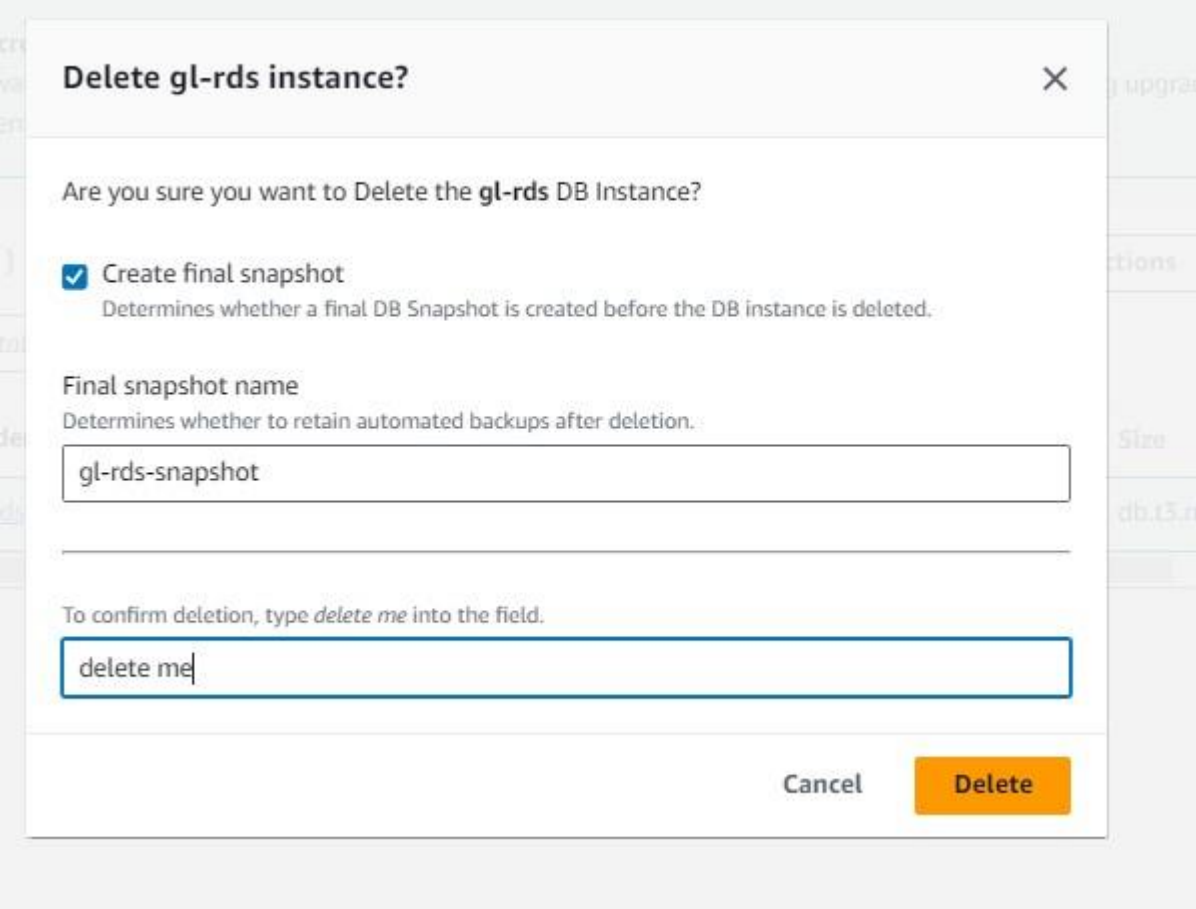
Monitoring

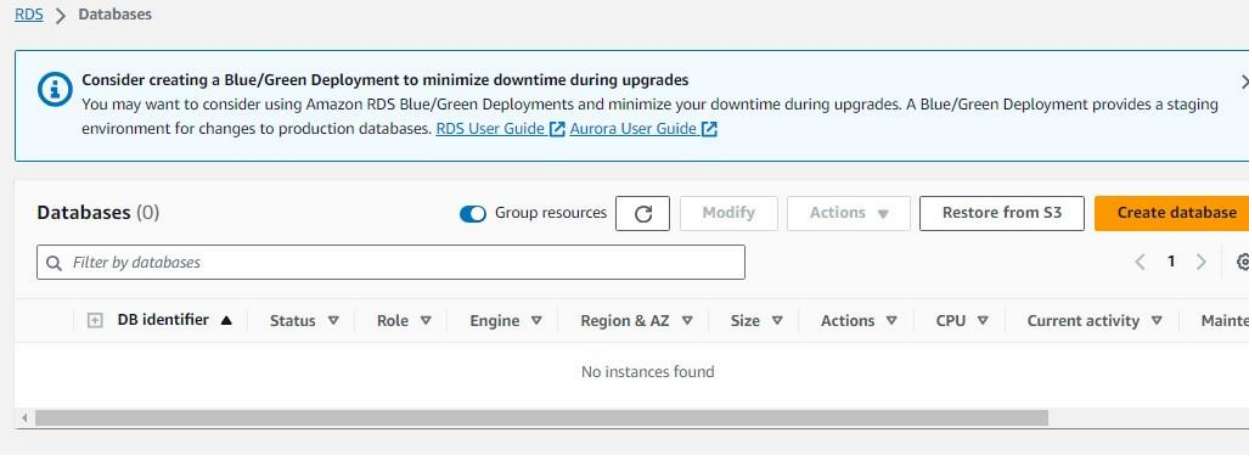

Amazon RDS
Connectivity & security
Monitoring
Logs & events
Configuration
Maintenance & backups
Tags
New monitoring view is available
RDS now supports a new monitoring view which includes Performance Insights and CloudWatch metrics. To access the new monitoring view, select Modify to modify your database and turn on Performance Insights.
Modify
CloudWatch (24)
Period
5 minutes
Add instance to compare
Monitoring
Search by metric
1h
3h
12h
1d
3d
1w
Custom
UTC timezone
BinLogDiskUsage
BurstBalance
CPUCreditBalance
CPUCreditUsage
CPUSurplusCreditBalance
CPUSurplusCreditsCharged
gl-rds



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

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