San Francisco State University

CSC 648 - 848

Milestone 3 Submission Form

Section 01 Team 01

Item	Credentials
Website URL	http://ec2-44-197-240-111.compute-1.amazonaws.com/about/ http://44.197.240.111/about/
SSH Connection command	ssh -i "mykp.pem" ec2-user@ec2-44-197-240-111.compute-1.amazonaws.com
Database Endpoint	csc648-db-team-1.cp7px58ibcuh.us-east-1.rds.amazonaws.com
Database Username	adminuser
Database Password	burritoman2023#
Database Port	3306
GitHub Repository Link	https://github.com/CSC-648-SFSU/csc648-spring23-01-team01

How to connect to EC2 instance:

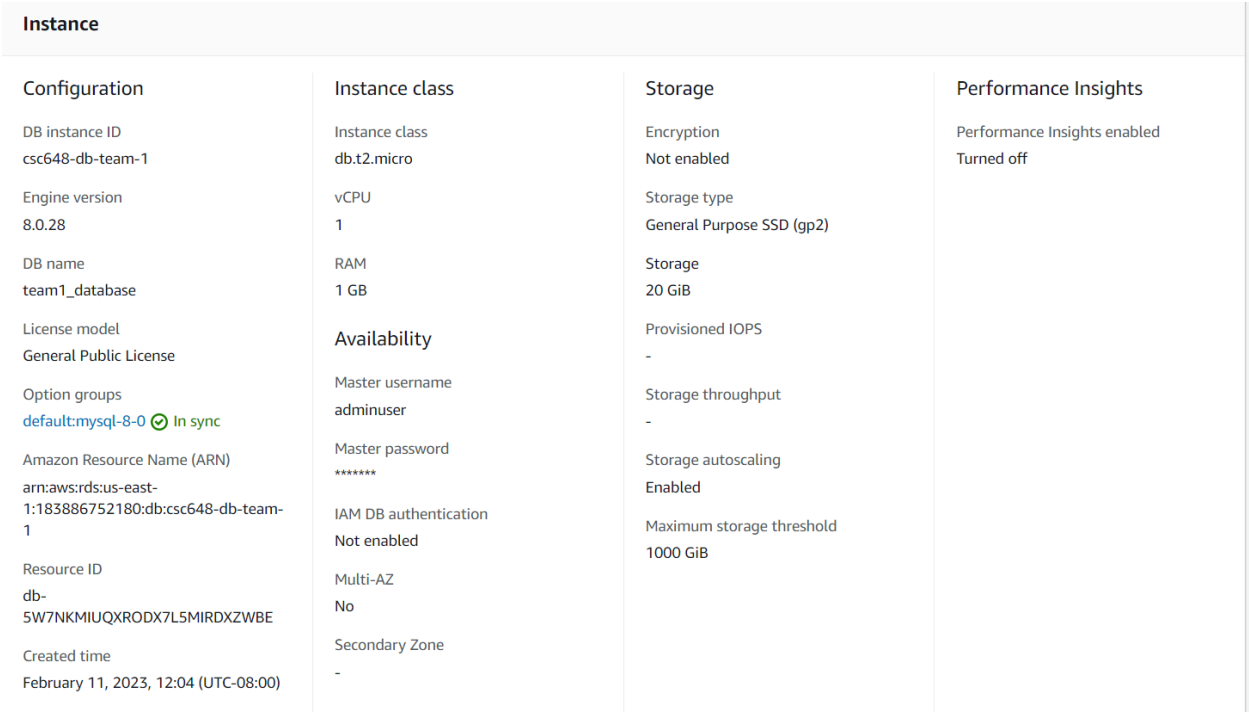
1. Clone https://github.com/CSC-648-SFSU/csc648-spring23-01-team01
2. Run “cd application”
3. Run ssh -i "mykp.pem" ec2-user@ec2-44-197-240-111.compute-1.amazonaws.com
4. You are now connected to the EC2 instance.

In case, step 3 throws an error saying “insufficient permissions” or a similar error, please run “chmod 400 mykp.pem” in case you use an Apple device. In case of windows, please follow steps as below.

- select .pem file -> right click -> properties
- Security > Advanced > Disable inheritance
- Remove all Users
- Add > Select a principal
- In "Enter the object name to select" type your Windows username > ok
- Give all permissions > ok > apply

Steps to host in the server and deployment:
Below are the steps we followed to host our code in the server and for deployment:

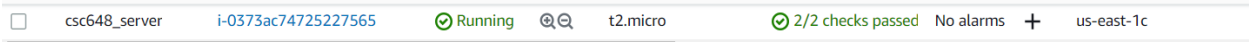
For database creation:
We created a free tier database from Amazon RDS with the following configurations:



2. We used [MySQL workbench] to connect to the database.

For creating EC2 instance:

1. We created a free tier EC2 instance. It is a t2.micro instance with 8gb memory.
2. Next, we used docker and docker compose to generate the build and get our code up and running on the same.



Steps we follow to push code changes:

1. Create a feature branch from the development branch, make you changes and push code to your branch.
2. Raise a PR from feature branch to development branch and get it approved by the backend lead in case backend changes are made, with similar steps for frontend changes.

3. Raise a PR from development branch to master branch wherein the Team Lead approves the PR, after which, the backend lead deploys the code onto the server as and when needed.
4. The deployment of the code is done manually, wherein the backend lead will pull the latest changes onto the EC2 instance and then uses docker-compose to get the build running.