# **AWS Project**

Interim Review

Deploying a Website(end to end)

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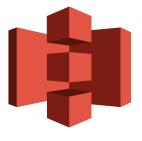
CSE-IoT (T2 Section)

#### Services Used





Amazon RDS

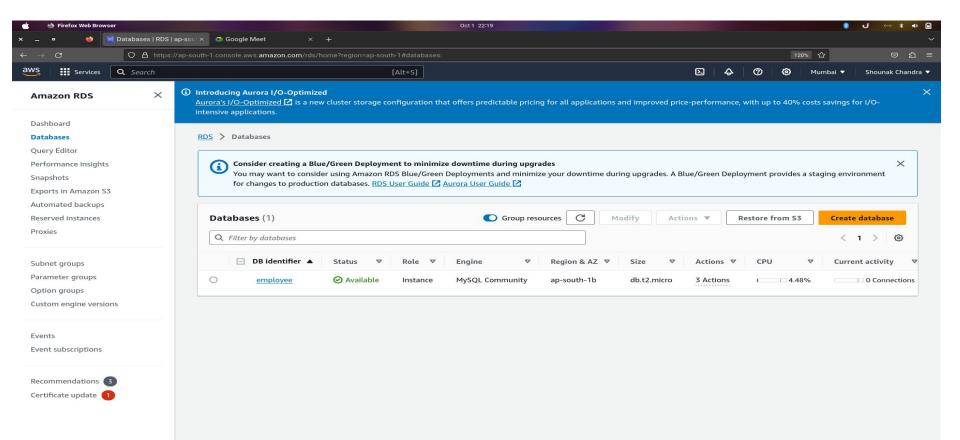


Amazon s3

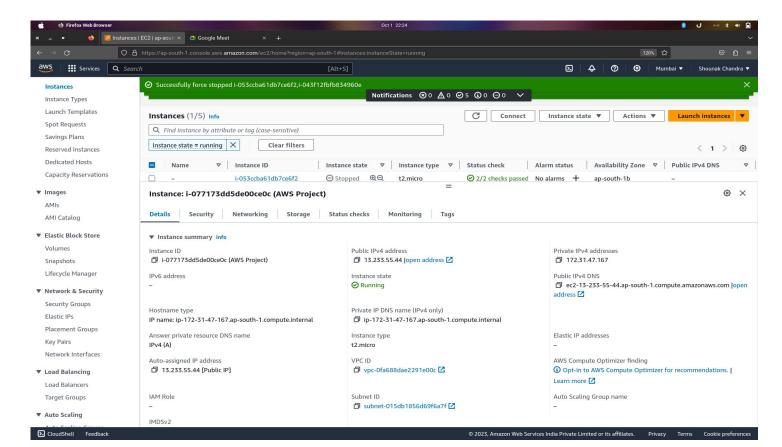
#### Layout

First, a domain is configured utilizing Amazon RDS through the Route 53 service. All crucial data is loaded into the storage service, S3. Objects are loaded into the database using a service named S3. Subsequently, utilizing a MySQL client, all significant data is exported to the server hosted on Amazon RDS.

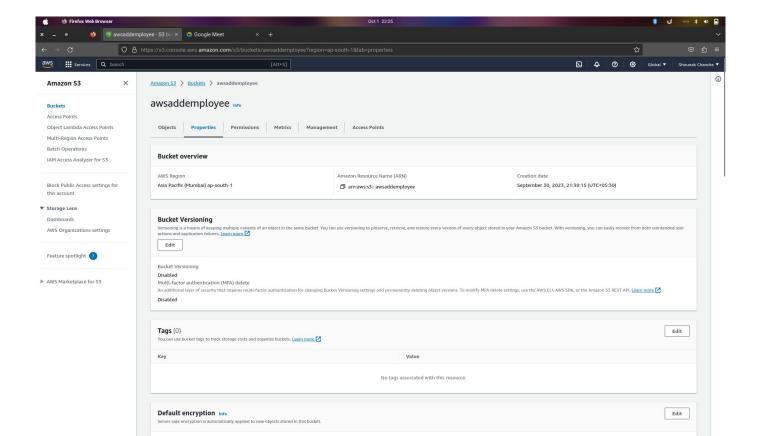
#### **RDS** Console



#### EC2 Instance



#### S3 bucket instance



### Establishing the connection with terminal

```
ubuntu@ip-172-31-31-89:~$ mysql -h employee.coghw13fheqo.us-east-2.rds.amazonaws.com -u
Enter password:
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 12
Server version: 8.0.17 Source distribution
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysq1>
```

## Creating the database

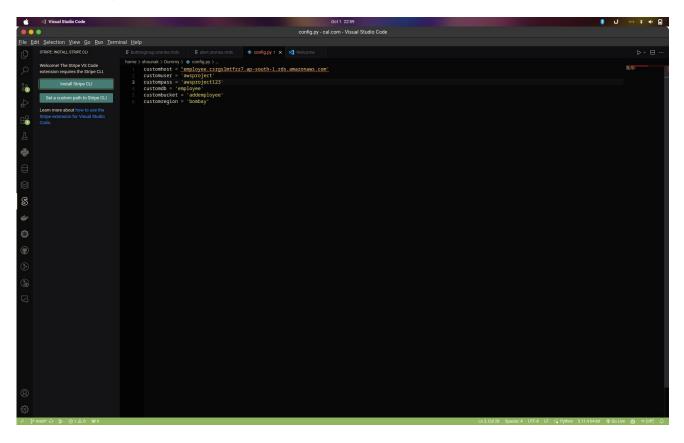
## EmpApp.py script

```
FOLDERS
                             EmpApp.py
aws-code
  _pycache_
                                @app.route("/", methods=['GET', 'POST'])
                                def home():
  templates
                                     return render_template('AddEmp.html')
  config.py
  EmpApp.py
                                 @app.route("/about", methods=['POST'])
                                 def about():
                                     return render_template('www.intellipaat.com');
                                 @app.route("/addemp", methods=['POST'])
                                 def AddEmp():
                                     emp_id = request.form['emp_id']
                                     first_name = request.form['first_name']
                                     last_name = request.form['last_name']
                                     pri_skill = request.form['pri_skill']
                                     location = request.form['location']
                                     emp_image_file = request.files['emp_image_file']
                            • 38
                                     insert_sql = "INSERT INTO employee VALUES (%s, %s, %s, %s, %s)"
                                     cursor = db_conn.cursor()
                                     if emp_image_file.filename == "":
                                         return "Please select a file"
                                     try:
                                         cursor.execute(insert_sql,(emp_id, first_name, last_name, pri_skill, location))
                                         db conn.commit()
                                         emp_name = "" + first_name + " " + last_name
```

### Employeeadd from terminal

```
information_schema
  performance_schema
3 rows in set (0.00 sec)
mysql> create database employee;
Query OK, 1 row affected (0.01 sec)
mysql> create table employee(
   -> empid varchar(20),
   -> fname varchar(20),
   -> lname varchar(20),
   -> pri_skill varchar(20),
    -> location varchar(20));
ERROR 1046 (3D000): No database selected
mysql> use employee;
Database changed
mysql> create table employee(
          -> empid varchar(20),
        -> fname varchar(20),
        -> lname varchar(20),
        -> pri_skill varchar(20),
         -> location varchar(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
rsion for the right syntax to Tuse near '-> empid varchar(20),
    -> fname varchar(20),
   -> lname varchar(20),
```

# Config.py file from the terminal



# Final product should be

	GET EMPLOYEE INFORMATION	
	Employee ID:	
	First Name:	
	Last Name:	
	Primary Skills:	
	Location:	
Image: Choose file No file chosen		
	UPDATE DATABASE	

Thank you