

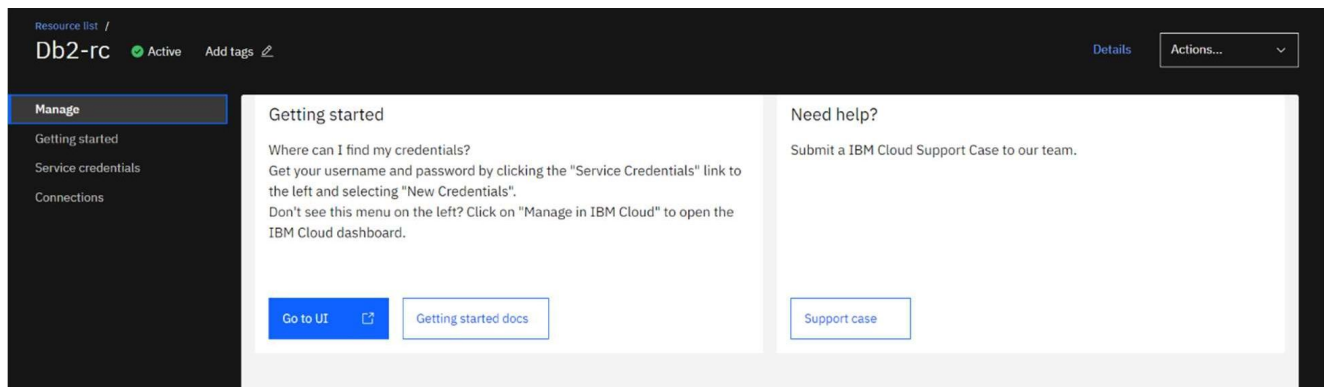
# Implementing Web Application

## Creating IBM DB2 and integrating with python

**Team Id :** PNT2022TMID35190

**Project Name :** Skill / Job Recommender Application

**STEP 1:** Created IBM db2 services :



**STEP 2:** Import the ibm\_db Python library:

**Pip install ibm\_db**

**Import ibm\_db**

**STEP 3:** Identify the database connection credentials

```
Conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;PROTOCOL=TCPIP;UID=vmj86703;PWD=cAguKbPh0lkm5hz4;Security=SSL;SSLSecurityCertificate=DigiCertGlobalRootCA.crt", "", "")
```

#### STEP 4: Integrate IBM DB2 with python code:

```
app.py > signup
19 @app.route("/aboutus")
20 def aboutus():
21     return render_template("aboutus.html")
22
23 @app.route("/adduser", methods=['POST'])
24 def adduser():
25     if request.method == 'POST':
26         first_name = request.form.get('first_name')
27         last_name = request.form.get('last_name')
28         email = request.form.get('email')
29         password = request.form.get('password')
30
31         sql = "SELECT * FROM User WHERE email =?"
32         stmt = ibm_db.prepare(connection, sql)
33         ibm_db.bind_param(stmt, 1, email)
34         ibm_db.execute(stmt)
35         account = ibm_db.fetch_assoc(stmt)
36
37     if account:
38         return render_template('signup.html', msg="You are already a member, please login using your details")
39     else:
40         insert_sql = "INSERT INTO User VALUES (?, ?, ?, ?)"
41         prep_stmt = ibm_db.prepare(connection, insert_sql)
42         ibm_db.bind_param(prepare_stmt, 1, first_name)
43         ibm_db.bind_param(prepare_stmt, 2, last_name)
44         ibm_db.bind_param(prepare_stmt, 3, email)
45         ibm_db.bind_param(prepare_stmt, 4, password)
46         ibm_db.execute(prepare_stmt)
47         return render_template('signin.html')
48
49
50 @app.route("/login", methods=['GET', 'POST'])
51 def login():
52     if request.method == 'POST':
53         email = request.form.get('email')
54         password = request.form.get('password')
55
```

#### STEP 5 : Close the Connection:

**ibm\_db.close(conn)**