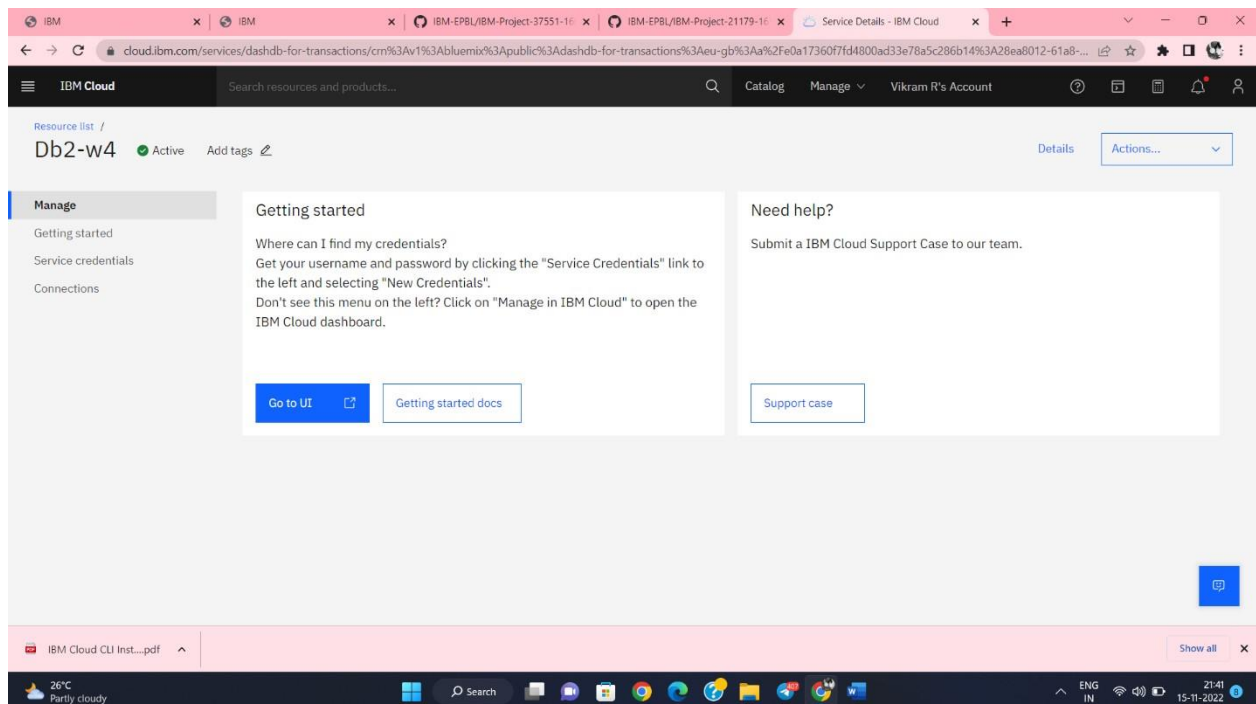


Implementing Web Application

Creating IBM-Db2 and Connect With Python

Date	27 October 2022
Team ID	PNT2022TMID29835
Project Name	Skill/Job Recommender Application

Step 1. Creating IBM data base



Step 2. Downloading SSC certificate for connection

Connections

Connect your apps and clients to IBM Db2 on Cloud

Linux PowerLinux Mac **Windows**

Instructions

- Download Windows driver package**
Download Windows driver package from [driver list](#)
File name: ibm_data_server_driver_package_win64_v11.5.exe (104 MB)
- Install the drivers by running the ibm_data_server_driver_package_win64_v11.5.exe file as an administrator.**
- In The Connection configuration resources section, select whether or not you want to secure your connections by using SSL.**
If your application uses its own driver and you want to connect with SSL, download the SSL certificate (DigiCertGlobalRootCA.crt).
For Java apps, use the JDBC string as the database URL in your call to the JDBC getConnection method.
For ODBC apps, add new entries to the db2dsdriver.cfg driver configuration file by running the following commands:

Connection configuration resources

Host name: 0c77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90l08kqb1od8lclg.databases.appdomain.cloud

With SSL: Yes

Port number: 31198

Database name: bludb

User ID: <user name>

Password: *****

Version: Compatible with Db2, Version 11.5.0 or later

[Download SSL Certificate](#)

JDBC string

Step 3. Creating service credential which contains host name, DB name, UID, Password

IBM Cloud

Search resources and products...

Db2-w4 Active Add tags

Manage

Getting started

Service credentials

Connections

Service credentials

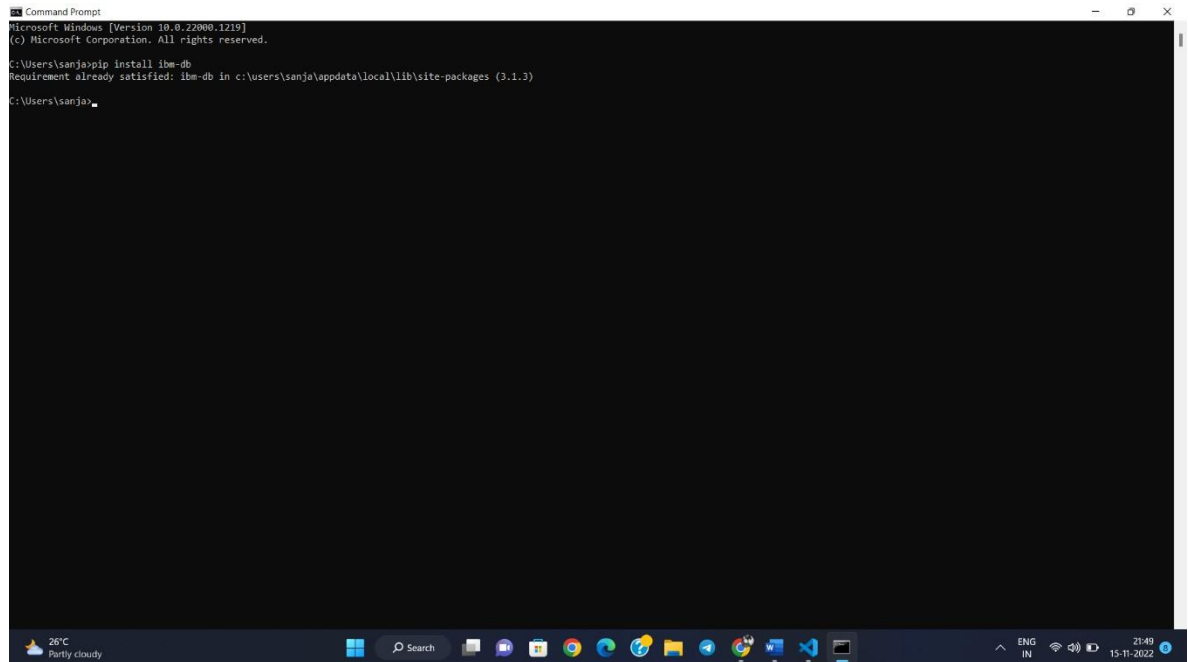
You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

[New credential](#)

Key name	Date created
Service credentials-1	2022-11-14 9:12 PM

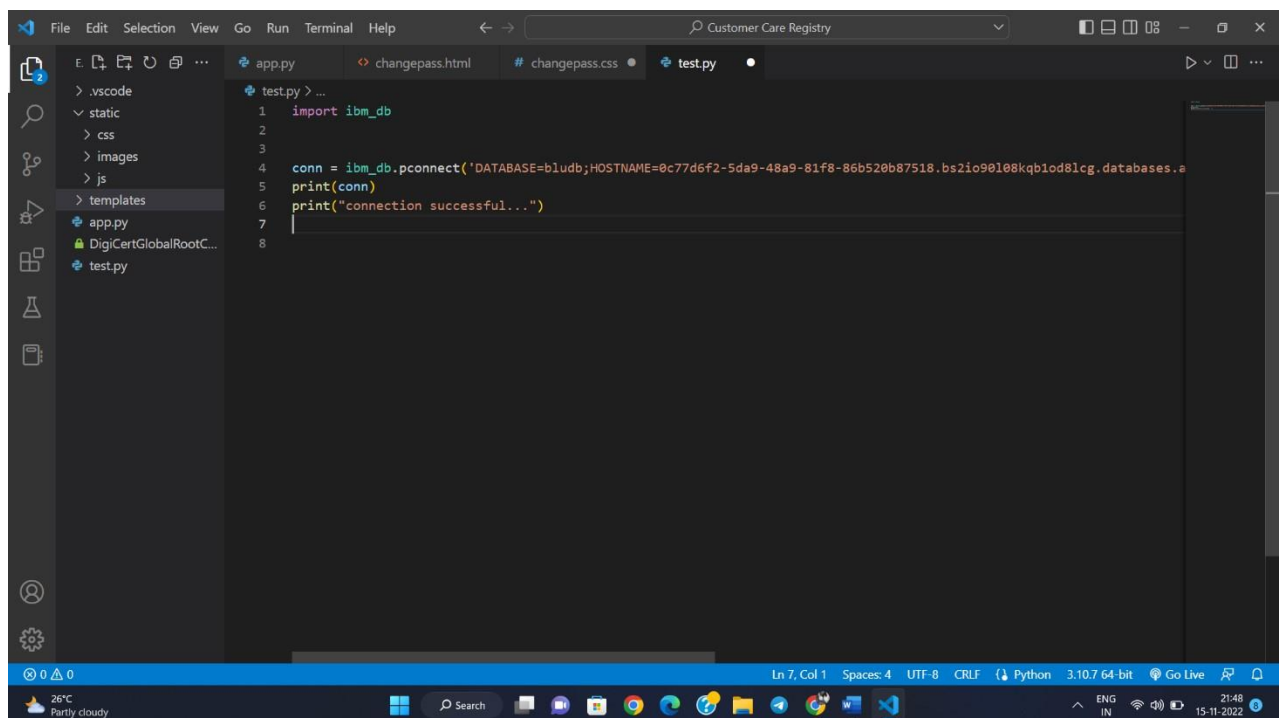
Step 4. Installing ibm-db package



```
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sanja>pip install ibm-db
Requirement already satisfied: ibm-db in c:\users\sanja\appdata\local\lib\site-packages (3.1.3)
C:\Users\sanja>
```

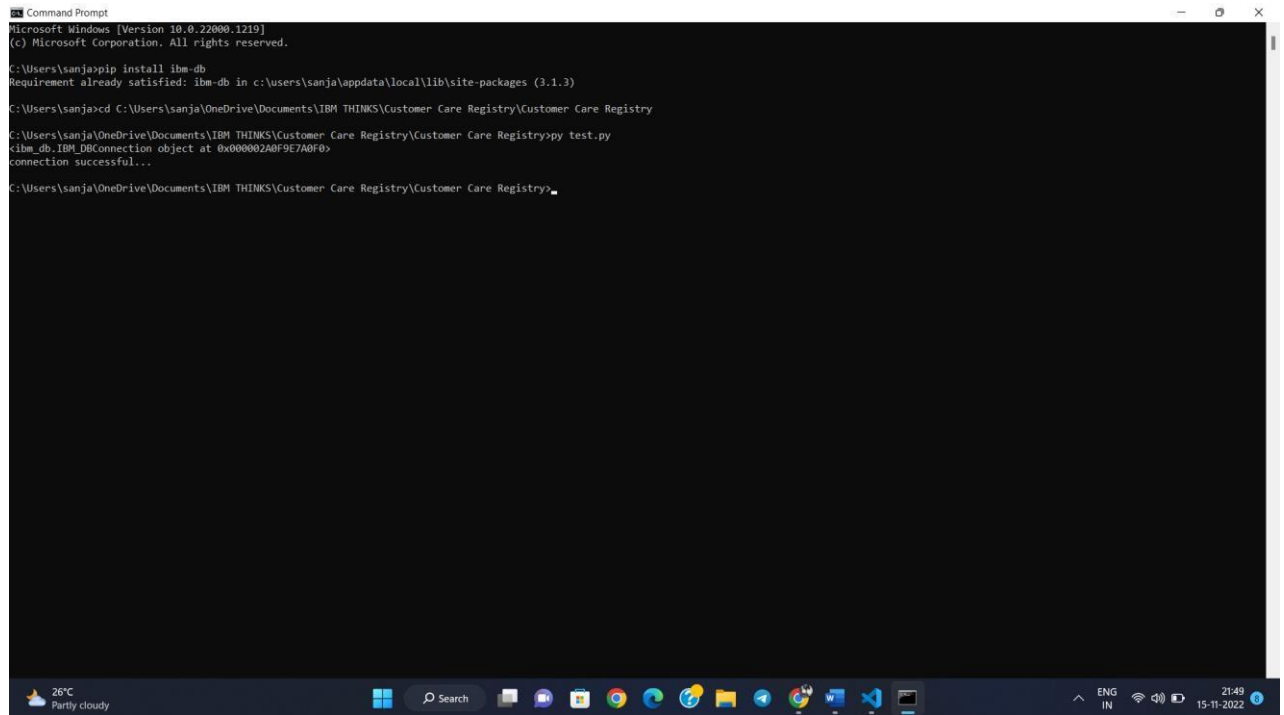
Step 4. Connecting IBM DB2 with python flask



```
File Edit Selection View Go Run Terminal Help
Customer Care Registry

app.py changepass.html # changepass.css test.py
> .vscode
> static
> css
> images
> js
> templates
+ app.py
+ DigiCertGlobalRootC...
+ test.py

test.py > ...
1 import ibm_db
2
3
4 conn = ibm_db.pconnect('DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90l08kqb1od81cg.databases.a
5 print(conn)
6 print("connection successful...")
7
8
```



```
Command Prompt
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sanja>pip install ibm-db
Requirement already satisfied: ibm-db in c:\users\sanja\appdata\local\lib\site-packages (3.1.3)

C:\Users\sanja>cd C:\Users\sanja\OneDrive\Documents\IBM THINKS\Customer Care Registry\Customer Care Registry

C:\Users\sanja\OneDrive\Documents\IBM THINKS\Customer Care Registry\Customer Care Registry>py test.py
cibm_db.IBM_DBConnection object at 0x000002A0F9E7A0F0>
connection successful...

C:\Users\sanja\OneDrive\Documents\IBM THINKS\Customer Care Registry\Customer Care Registry>
```

OUTPUT:

IBM Cloud CLI is installed successfully

