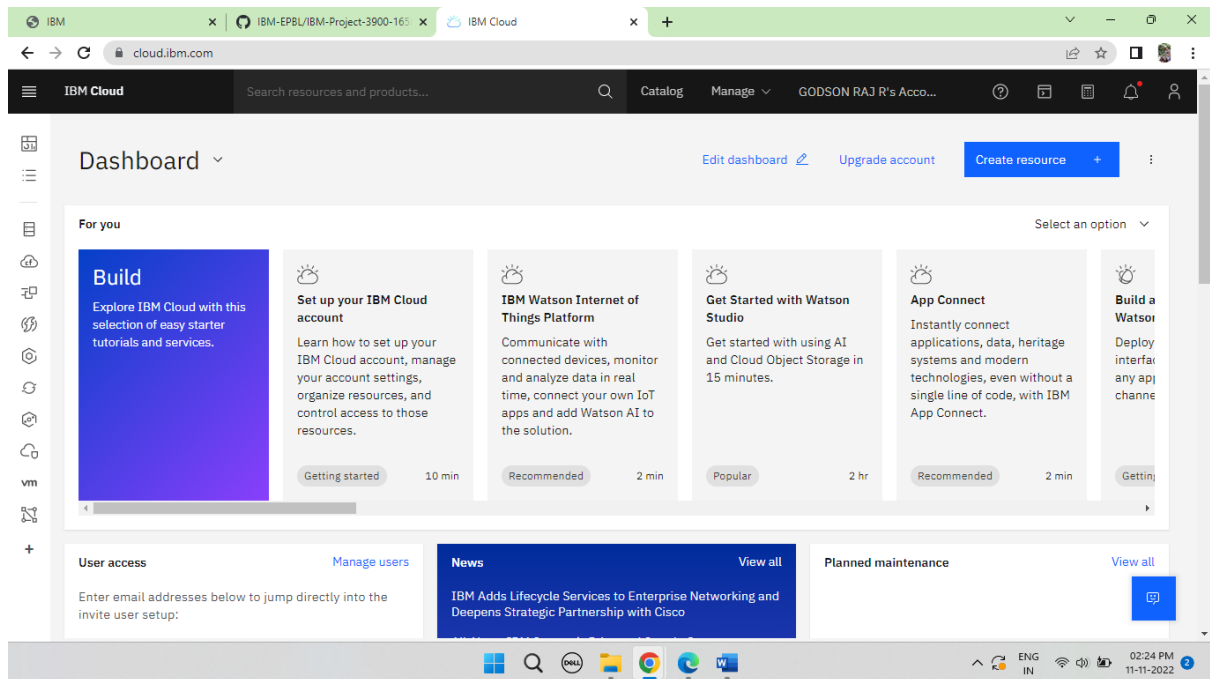


IMPLEMENTING WEB APPLICATION

Date	7 November, 2022
Team ID	PNT2022TMID00855
Project Name	Plasma Donor Application

Create IBM DB2 And Connect with Python

❖ Login to IBM Cloud Account



❖ Search for IBM DB2 and Create a DB2 service

The screenshot shows the IBM Cloud dashboard with the search bar at the top. The search results for "Db2" are displayed, showing the "Db2 Service" as the top result. The dashboard also features a "For you" section with various recommendations and a "Build" section with tutorials. The bottom of the dashboard shows the "User access" section with a list of users and the "Planned maintenance" section.

IBM Cloud

Dashboard

Search: 0 resource results found

Catalog Results

View all catalog results

For you

Build

Explore IBM Cloud with the selection of easy starter tutorials and services.

Search "Db2" in Support Cases

Search "Db2" in Docs

Get Started with Watson Studio

Get started with using AI and Cloud Object Storage in 15 minutes.

App Connect

Instantly connect applications, data, heritage systems and modern technologies, even without a single line of code, with IBM App Connect.

Build a Watson

Deploy interfaces for any application channel

User access

Manage users

Enter email addresses below to jump directly into the invite user setup:

News

View all

IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco

Planned maintenance

View all

https://cloud.ibm.com/catalog/services/db2

The screenshot shows the IBM Cloud catalog page for the "Db2" service. The page includes a "Summary" section on the right with details about the service, a "Create" tab, and a "Select a location" dropdown. The "Select a pricing plan" section shows a table with columns for Plan, Features, and Pricing. The "Lite" plan is selected, showing 200 MB of data storage, 5 simultaneous connections, and a shared multi-tenant system. The "Free" pricing is displayed. A "Create" button is visible at the bottom right.

IBM Cloud

Search resources and products...

Catalog / Db2

A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine.

Create

About

Type: Service

Provider: IBM

Last updated: 11/10/2022

Category: Databases

Compliance: EU Supported, HIPAA Enabled, IAM-enabled

Location: Sydney, Frankfurt, London

Select a location

London (eu-gb)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multi-tenant system	Free

The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of

Summary

Db2

Location: London

Plan: Lite

Service name: Db2-5w

Resource group: Default

I have read and agree to the following license agreements: [Terms](#)

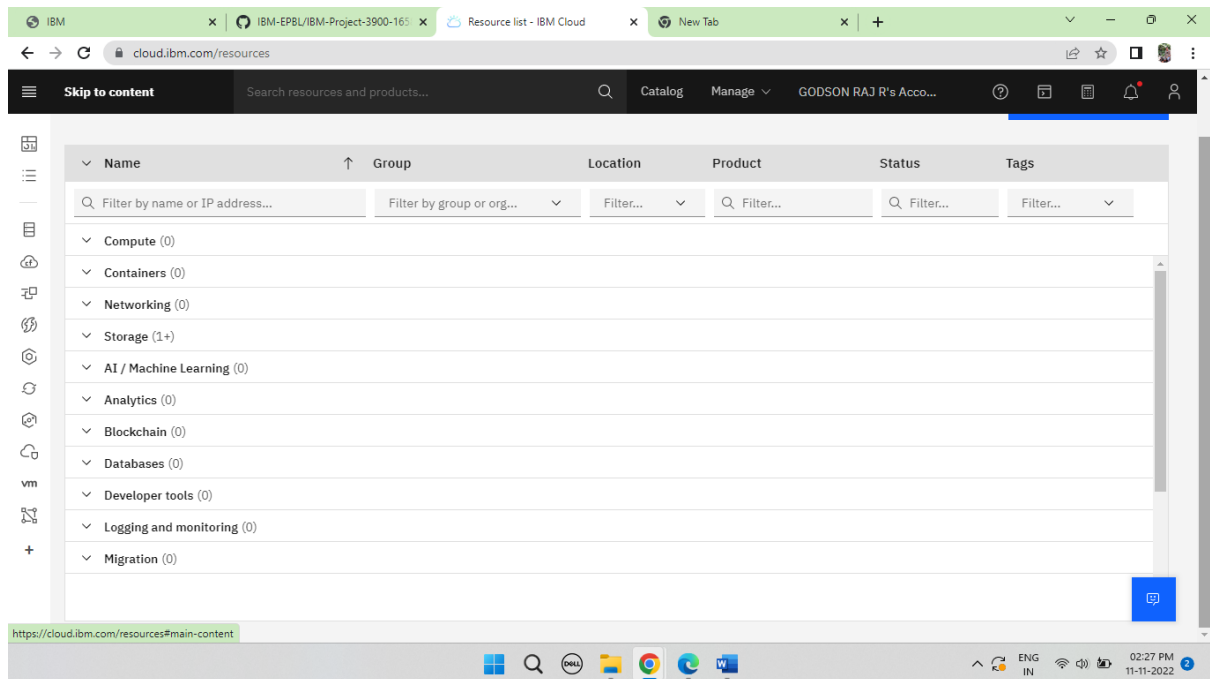
Create

Your device needs to restart to install updates.

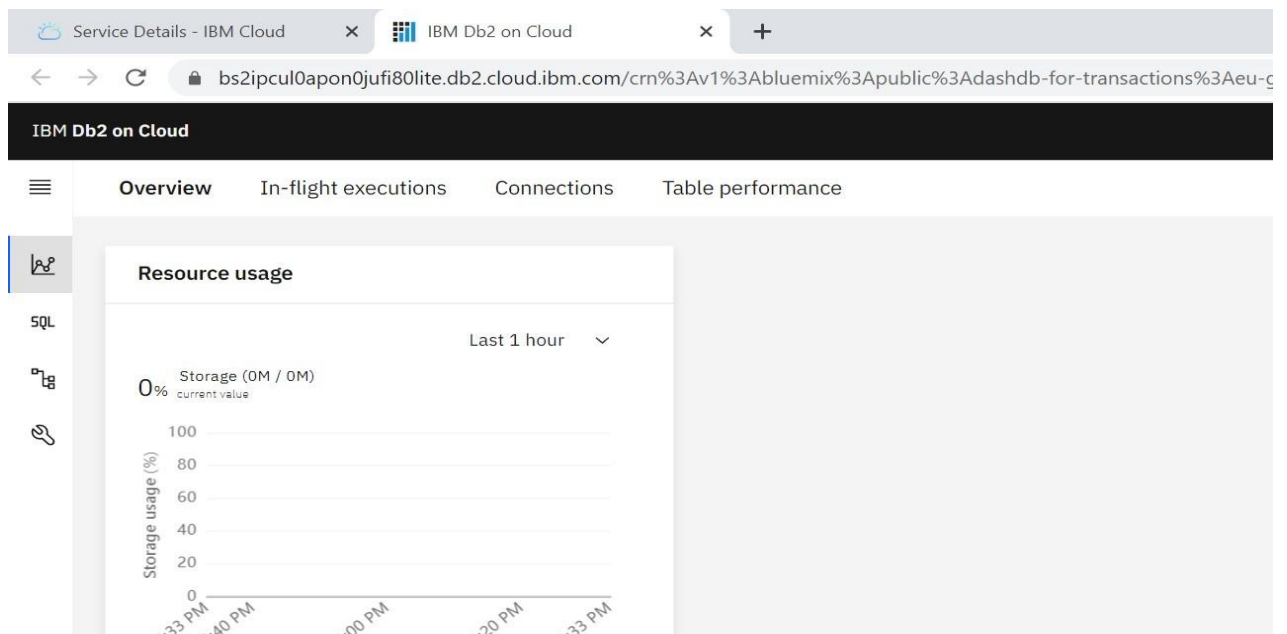
Add

Select a time to restart.

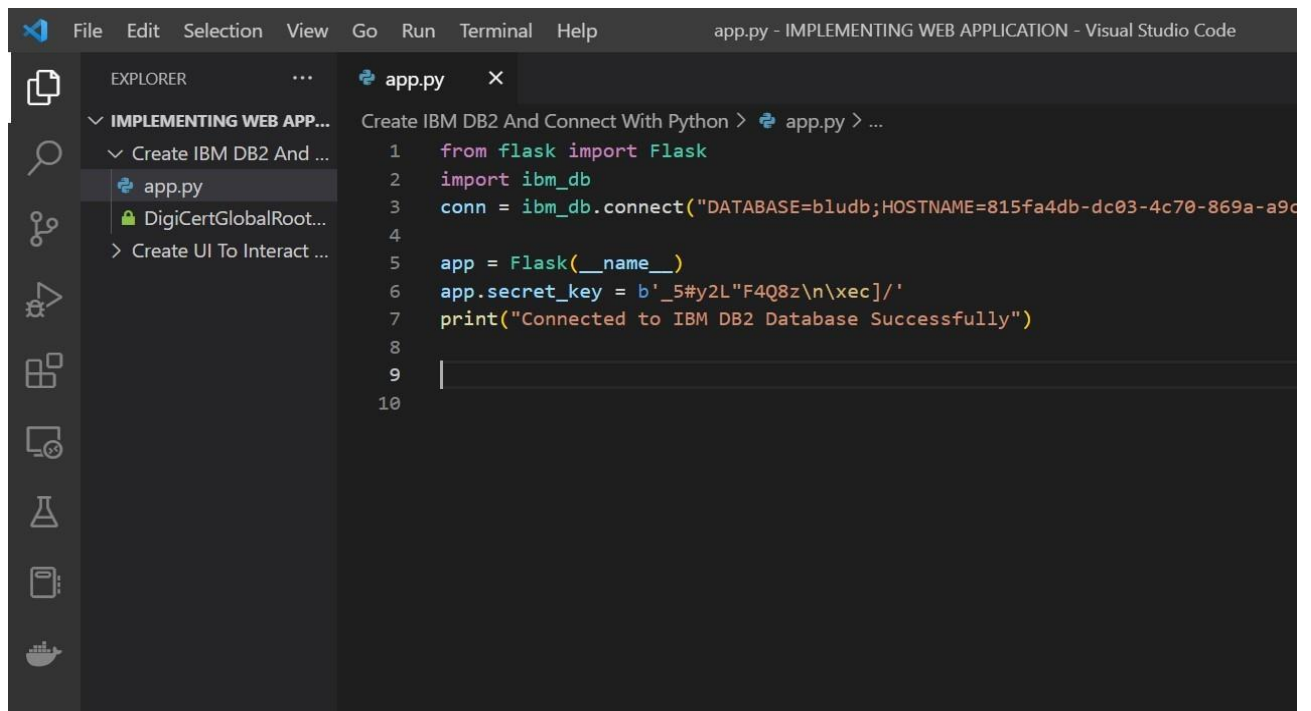
❖ Go to Resources and select IBM db2



❖ Create New Service credentials and Go to UI



❖ Paste those credentials in the python code

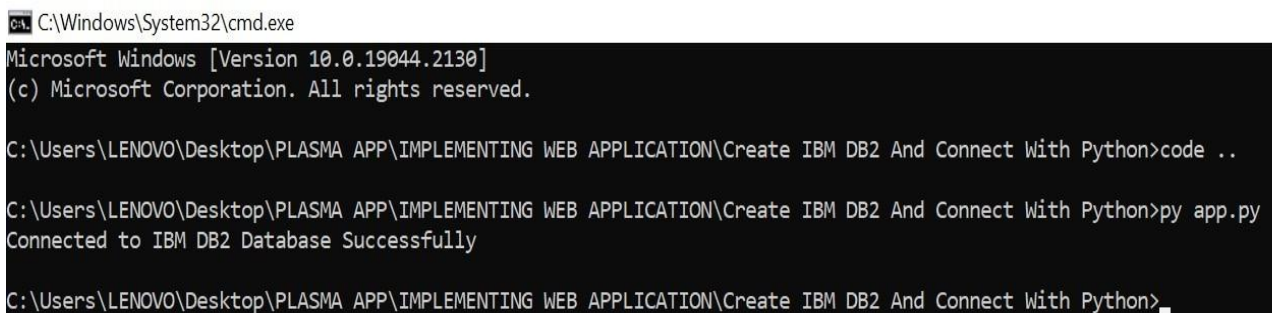


```
app.py - IMPLEMENTING WEB APPLICATION - Visual Studio Code

EXPLORER
  IMPLEMENTING WEB APP...
    Create IBM DB2 And ...
      app.py
      DigiCertGlobalRoot...
    Create UI To Interact ...

app.py
1  from flask import Flask
2  import ibm_db
3  conn = ibm_db.connect("DATABASE=b1udb;HOSTNAME=815fa4db-dc03-4c70-869a-a9c
4
5  app = Flask(__name__)
6  app.secret_key = b'_5#y2L"F4Q8z\n\xec]/'
7  print("Connected to IBM DB2 Database Successfully")
8
9
10
```

❖ Run the python code in cmd



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO\Desktop\PLASMA APP\IMPLEMENTING WEB APPLICATION\Create IBM DB2 And Connect With Python>code ..

C:\Users\LENOVO\Desktop\PLASMA APP\IMPLEMENTING WEB APPLICATION\Create IBM DB2 And Connect With Python>py app.py
Connected to IBM DB2 Database Successfully

C:\Users\LENOVO\Desktop\PLASMA APP\IMPLEMENTING WEB APPLICATION\Create IBM DB2 And Connect With Python>_
```