

SKILL AND JOB RECOMMENDER

Date	29 October 2022
Team ID	PNT2022TMID33768
Project Name	Skill And Job Recommender

Implementing Web Application

Create IBM DB2 and interact with application

Creation of IBM DB2 database

The screenshot shows the IBM Cloud catalog page for the Db2 database service. The page is titled "Catalog / Db2" and describes it as a fully managed, highly-performant relational data store. The "Create" tab is selected, showing options to choose a location (Sydney) and a pricing plan (Standard). A table of pricing details is visible, including costs for instance-hours, gigabyte-hours, and backup-hours. The right sidebar shows a summary of the selected configuration: Location: Sydney, Plan: Standard, Service name: Db2-Id, and Resource group: Default. At the bottom, there are buttons for "Create" and "Add to estimate".

Summary

Db2 [Estimate costs](#)

Location: Sydney
Plan: Standard
Service name: Db2-Id
Resource group: Default

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Create

Add to estimate

Plan	Features	Pricing
Standard	Instance with flexible scaling of compute and storage Base instance starts at 8 GB RAM x 20 GB Storage	\$0.136 USD/Instance-Hour \$0.00027 USD/Gigabyte-Hours \$0.097 USD/Virtual Processor Core-Hour \$0.00003 USD/BACKUP_GIGABYTE_HOURS \$0.0959 USD/SERVICEENDPOINT_INSTANCE_HOURS

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cloud.ibm.com/services/dashdb-for-transactions/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fdd03e300c3aa4c5c99f1a118333dd35a%3Ad130672e-...

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IBM Cloud Search resources and products... Catalog Manage Insalatta Priyadharshin... Details Actions...

Resource list / Db2-bu Active Add tags

Manage

- Getting started
- Service credentials
- Connections

Getting started

Where can I find my credentials?

Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".

Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.

[Go to UI](#) [Getting started docs](#)

Need help?

Submit a IBM Cloud Support Case to our team.

[Support case](#)

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bs2ipcul0apon0jufi80lite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fdd03e300c3aa4c5c99f1a118333dd35a%3Ad130672e-488...

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IBM Db2 on Cloud Refresh

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

Find schemas or tables

Schemas

Name	Type	Tables
XWL60917	User	2

Total: 1, selected: 1

Tables

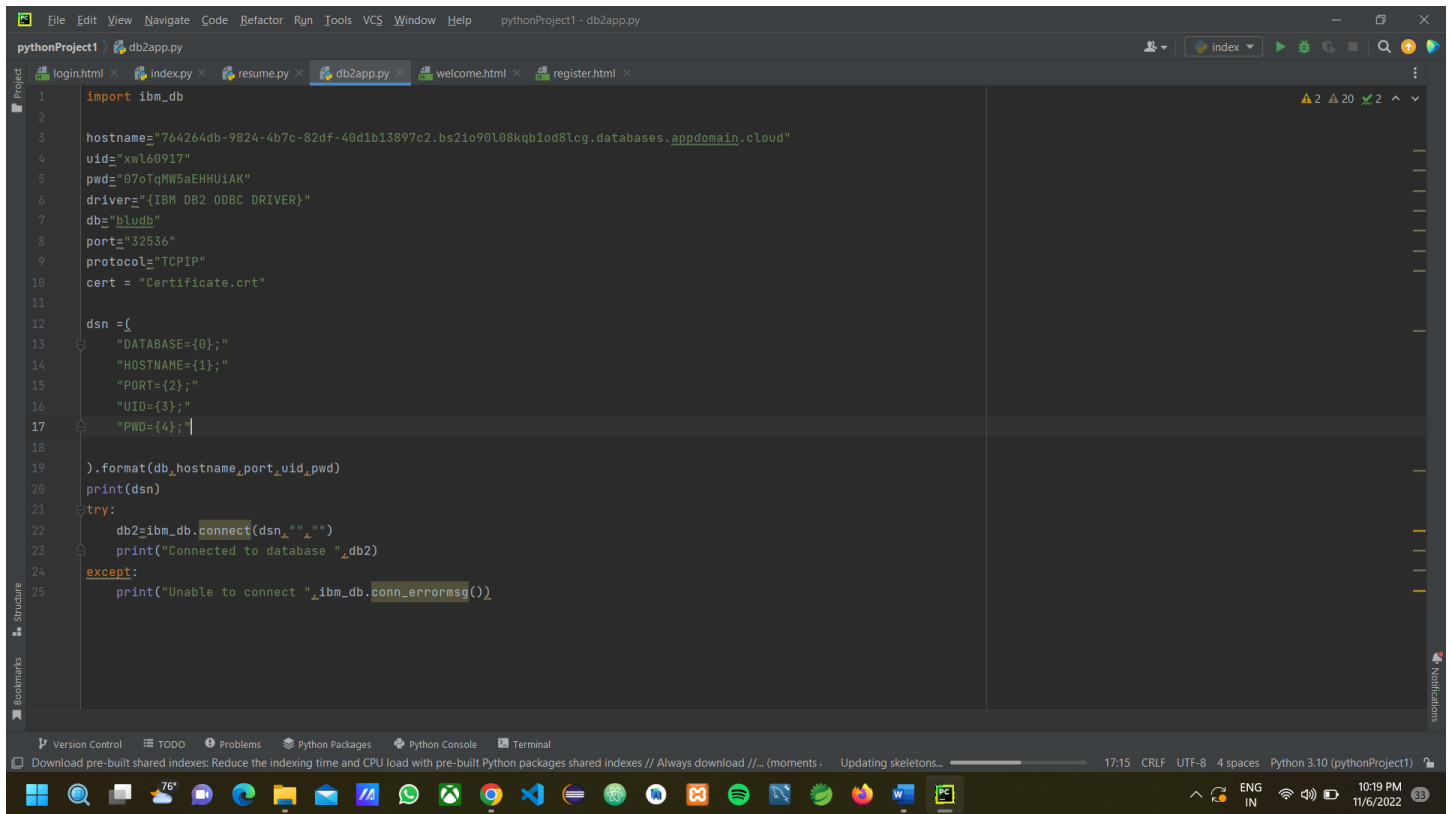
New table

Name	Schema	Properties
TEST	XWL60917	...
USER	XWL60917	...

Total: 2, selected: 0

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Database connection coding



The screenshot shows a Visual Studio Code editor window with a Python project named 'pythonProject1'. The active file is 'db2app.py'. The code is a Python script that connects to an IBM DB2 database. It includes variables for hostname, uid, pwd, driver, db, port, and protocol. It also defines a DSN (Data Source Name) dictionary and uses it to connect to the database. The script includes error handling for connection failures.

```
1 import ibm_db
2
3 hostname="764264db-9824-4b7c-82df-40d1b13897c2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
4 uid="xwL60917"
5 pwd="07oTqHW5aEHHU1AK"
6 driver="{IBM DB2 ODBC DRIVER}"
7 db="bludb"
8 port="32536"
9 protocol="TCP/IP"
10 cert = "Certificate.crt"
11
12 dsn = {
13     "DATABASE={0};"
14     "HOSTNAME={1};"
15     "PORT={2};"
16     "UID={3};"
17     "PWD={4};"
18 }
19
20 ).format(db_hostname,port_uid,pwd)
21 print(dsn)
22
23 try:
24     db2=ibm_db.connect(dsn,"","")
25     print("Connected to database ",db2)
26 except:
27     print("Unable to connect ",ibm_db.conn_errormsg())
```

The bottom status bar shows the following information: Version Control, TODO, Problems, Python Packages, Python Console, Terminal, Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download //... (moments...), Updating skeletons..., 17:15, CRLF, UTF-8, 4 spaces, Python 3.10 (pythonProject1), 10:19 PM, 11/6/2022.