

PLASMA DONOR APPLICATION

Date	15 November 2022
Team ID	PNT2022TMID32215
Project Name	PLASMA DONOR APPLICATION

Implementing Web Application

Create IBM DB2 and interact with application

Creation of IBM DB2 database:

The screenshot displays the IBM Cloud console interface for creating a Db2 database. The browser address bar shows `cloud.ibm.com/catalog/services/db2`. The console header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and 'Logajith N's Account'.

The main content area is divided into two tabs: 'Create' (active) and 'About'. The 'Create' tab contains the following sections:

- Type Service:** Db2
- Provider:** IBM
- Last updated:** 11/10/2022
- Category:** Databases
- Compliance:** EU Supported, HIPAA Enabled, IAM-enabled
- Location:** A list of locations including Sydney, Frankfurt, London, Dallas, Sao Paulo, Toronto, Tokyo, Milan 01, Montreal 01, and Washington DC.
- Related links:** API docs, etc.

The 'Select a location' dropdown is set to 'London (eu-gb)'. The 'Select a pricing plan' section displays a table of plans:

Plan	Features	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multitenant system	Free
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

The 'Summary' panel on the right provides details about the selected plan:

- Db2** (Free)
- Location:** London
- Plan:** Lite
- Service name:** Db2-p5
- Resource group:** Default

Below the summary, there is a checkbox for 'I have read and agree to the following license agreements:' with a 'Terms' link. A blue 'Create' button is visible, along with an 'Add to estimate' button.

Service Details - IBM Cloud

IBM Db2 on Cloud

cloud.ibm.com/services/dashdb-for-transactions/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fbb2997eb79604e6c814e612aff0b8364%3Ae1b2e626-...

IBM Cloud

Search resources and products...

Catalog

Manage

Logajith N's Account

Resource list /

Db2-cm

Active

Add tags

Details

Actions...

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

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]

26°C

Partly sunny

Search

ENG IN

12:02 PM

11/18/2022

Service Details - IBM Cloud

IBM Db2 on Cloud

bs2jpcul0apon0jufi80lite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fbb2997eb79604e6c814e612aff0b8364%3Ae1b2e626-e4f5-44fe-...

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Find schemas or tables

Refresh

Schemas

Tables

Name	Type	Tables
XSQ79924	User	2

Total: 1, selected: 1

Tables

New table

Name	Schema	Properties
SEARCHDONOR	XSQ79924	...
SIGNIN	XSQ79924	...

Total: 2, selected: 0

26°C

Partly sunny

Search

ENG IN

12:02 PM

11/18/2022

Database connection coding:

```
1 import ibm_db
2
3 hostname="764264db-9824-4b7c-82df-40d1b13897c2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
4 uid="xw168917"
5 pwd="07oTqMWSaEHU1AK"
6 driver="{IBM DB2 ODBC DRIVER}"
7 db="bludb"
8 port="32536"
9 protocol="TCPIP"
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())
```