

# CREATE IBM DB2 AND CONNECT WITH PYTHON

The screenshot displays the IBM Cloud dashboard interface. On the left, a vertical sidebar contains navigation icons. The main header area includes a 'Dashboard' dropdown, a 'For you' section with a 'Build' card, and a 'Resource Results' dropdown menu. The 'Resource Results' menu is open, showing 'Db2-1.0 Service' and 'Catalog Results' with links to 'View all resource results' and 'View all catalog results'. The 'Catalog Results' section lists 'Db2 Service', 'Db2 Warehouse Service', and 'SAP NetWeaver(ABAP stack) with DB2 standard system'. Below this, there are search links for 'db2' in Support Cases and Docs. The main content area features a 'Get started' button, a 'Popular' section with a 'Getting started' button, and a 'Recommended' section with a 'Getting started' button. The bottom section includes 'News', 'Recent support cases', 'Planned maintenance', and 'IBM Cloud status'.

**Dashboard** ▾

**For you**

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

**Resource Results** [View all resource results](#)

- Db2-1.0 Service**

**Catalog Results** [View all catalog results](#)

- Db2 Service**
- Db2 Warehouse Service**
- SAP NetWeaver(ABAP stack) with DB2 standard system**

[Search "db2" in Support Cases](#)

[Search "db2" in Docs](#)

[Getting started](#) 20 min [Popular](#) 5 min [Getting started](#) 20 min [Recommended](#) 5 min [Recommended](#) 2 min

**News** [View all](#)

- Announcing IBM Cloud Pak for Network Automation Version 2.4
- No Prerequisites for IBM Cloud Certifications
- IBM Tech Now: October 24, 2022

**Recent support cases** [View all](#)

**Planned maintenance** [View all](#)

**IBM Cloud status** [View all](#)

# CREATE IBM DB2 AND CONNECT WITH PYTHON

Resource list /

Db2-1o ● 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](#)



## **CREATE IBM DB2 AND CONNECT WITH PYTHON**



Search



ENG  
IN



02:19 PM  
02/11/2022



CREATE IBM DB2 AND CONNECT WITH RYFION

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F7f832772658146fbb12d458115c1bbc4%3...



IBM Db2 on Cloud



Overview

In-flight executions

Connections

Table performance



SQL

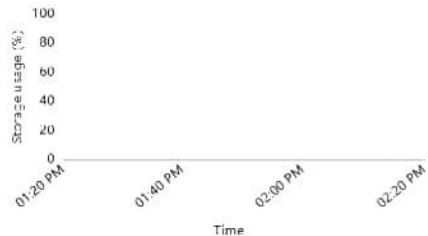


## Resource usage

Last 1 hour



Storage (0M / 0M)  
current usage



C:\IBM\dbconnect.py Run file (F5)

temp.py x dbconnect.py x

```

1 import ibm_db
2
3 dsn_hostname="b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnkrk39u98g.databases.app
4 dsn_uid="ptj61000"
5 dsn_pwd="mk1iGb6QWUEsiZQ7"
6 dsn_driver="{IBM DB2 ODBC DRIVER}"
7 dsn_db="bludb"
8 dsn_port="31249"
9 dsn_protocol="TCPIP"
10 dsn_cert="Certificate.crt"
11
12 dsn=(
13     "DATABASE={0};"
14     "HOSTNAME={1};"
15     "PORT={2};"
16     "UID={3};"
17     "SECURITY=SSL;"
18     "SSLServerCertificate={4};"
19     "PWD={5};"
20 ).format(dsn_db,dsn_hostname,dsn_port,dsn_uid,dsn_cert,dsn_pwd)
21 print(dsn)
22
23 try:
24     ibm_db = ibm_db.connect(dsn, "", "")
25     print("success")
26 except:
27     print("Unable to connect", ibm_db.conn_errormsg())
28
29

```

Source Console Object

### Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in **Preferences > Help**.

[New to Spyder? Read our tutorial](#)

Help Variable Explorer Plots Files

Console 1/A x

```

Python 3.9.12 (main, Apr 4 2022, 05:23:19) [MSC v.1916 32 bit (Intel)]
Type "copyright", "credits" or "license()" for more information.

IPython 8.2.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/IBM/dbconnect.py', wdir='C:/IBM')
DATABASE=bludb;HOSTNAME=b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnkrk39u98g.databases.appdomain.cloud;PORT=31249;UID=ptj61000;SECURITY=SSL;SSLServerCertificate=Certificate.crt;PWD=mk1iGb6QWUEsiZQ7;
Unable to connect

In [2]:

```