

IMPLEMENTING WEB APP- CREATE IBM DB2 AND CONNECT WITH PYTHON

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Project Name	News Tracker Application

Creation of IBM DB2

The screenshot displays the IBM Db2 console interface. On the left, a sidebar lists navigation options: Type Services, Provider IBM, Last updated 11/11/2022, Category Databases, and Compliance (HIPAA Enabled, IAM-enabled). The main content area is titled 'Db2' and describes it as a fully managed, highly-performant relational data store. It features two tabs: 'Create' (active) and 'About'. Under the 'Create' tab, users can 'Select a location' (currently set to 'London (eu-gb)') and 'Select a pricing plan'. A table lists the available plans:

Plan	Features	Pricing
Lite	200 MB of data storage 6 simultaneous connections Shared multi-tenant system	Free

Below the table, a note states: 'The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of limitations as shown. You can continue using the free plan for as long as needed. However, users are asked to re-eval their free account every 90 days by email. If you do not re-eval, your free account is closed out a number 90 days later. This helps protect free resources for everyone. Lite plan services are deleted after 30 days of inactivity.' On the right, a 'Summary' panel shows the configuration: Db2, Location: London, Plan: Lite, Service name: Db2-uv, and Resource group: Default. At the bottom, there is a checkbox for 'I have read and agree to the following license agreements:' with a 'Terms' link, and a blue 'Create' button.

Db2 is added in resources list



Name	Group	Location	Product	Status	Tags
<input type="text"/> Filter by name or IP addresses... <input type="text"/> Filter by group or org... <input type="text"/> Filter... <input type="text"/> Filter... <input type="text"/> Filter...					
^ Compute (0)					
^ Containers (2)					
mycluster-free	Default	Frankfurt	Kubernetes Service	Normal	
newe_tracker_app	Default	Global	Container Registry		
^ Networking (0)					
^ Storage (0)					
^ AI / Machine Learning (0)					
^ Analytics (0)					
^ Blockchain (0)					
^ Databases (1)					
Db2-oz	Default	London	Db2	Provision in progres...	
^ Developer tools (0)					

Table creation in IBM DB2

IBM Db2 on Cloud

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

Find schemas or tables Refresh

Schemas

Name	Type	Tables
FVS987...	User	1

Total: 1, selected: 1

Tables New table

Name	Schema	Properties
NTAAC	FVS98779	...

Total: 1, selected: 0

Table definition

NTAAC No statistics available

Name	Data type	Nullable	Length	Scale
FULLNAME	VARCHAR	Y	100	0
EMAIL	VARCHAR	Y	500	0
USERNAME	VARCHAR	Y	50	0
PASSWORD	VARCHAR	Y	50	0

View data

Connect with python

```
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=55fbc997-9266-4331-afd3-888b05e734c0.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31929;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fvs98779;PWD=d2GpGOW7rU073yeE",',',')
```

