

# Create credentials to access your database instance

## Objective(s)

At the end of this lab you will be able to:

- Create your own instance of database on IBM Cloud using DB2 service

## Exercise

Database credentials are required to connect from remote applications like Jupyter notebooks which are used in the labs and assignment in the last two weeks of the course.

- Go to your IBM Cloud Resources dashboard (or click on IBM Cloud in the top left corner):

<https://cloud.ibm.com/resources>

Note: you may need to log into IBM Cloud in the process of loading the resources/dashboard.

If your connection is slow it may take over 30 seconds for the dashboard to fully load.

- Locate and click on your Db2 service listed under Services.

(NOTE: In the example below the service is called "Db2-xx" but your Db2 service may have a different letters/numbers in the suffix e.g. "Db2-f8", "Db-50", etc.)

Q	Filter by name or IP address...	Filter by group or org...	Filter...	Q	Filter...	Q	Filter...
Cloud Foundry apps (3)							
iot-solution-tutorial	@gmail.com / se...	London	SDK for Node.js™	Stopped			
your-name-computer-vision-app	@gmail.com / lav...	London	Python	Started			
Cloud Foundry services (1)							
Car Diagnostic API-6b	@gmail.com / dev	London	Car Diagnostic API	Provisioned			
Services and software (8)							
Cloudant-ex	Default	London	Cloudant	Active			
Db2-f7	Default	London	Db2	Active			
Language Translator-iu	Default	London	Language Translator	Active			

- Click on Service Credentials in the left menu

Resource list /

Db2-f7

Active

Add tags

Manage

Getting started

Service credentials

Connections

- Click on the button to create **New credential**

New credential +

In the prompt that comes up click the "Add" button in the bottom right:

Create credential

×

Role: 

Manager

Advanced options

Cancel

Add

- Check the box to **View credentials**
- Copy and save the credentials making a note of the following:

- port** is the database port
- db** is the database name
- host** is the hostname of the database instance
- username** is the username you'll use to connect
- password** is the password you'll use to connect

Resource list /

Db2-f7

Active

Add tags

Details

Actions...

Manage

Getting started

Service credentials

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

New credential +

Key name

Date created

Service credentials-1

2021-07-09 4:42 PM

```
{  "connection": {    "cli": {      "arguments": [        "-u",        "mwh70849",        "-p",        "@gmail.com / se...",        "--ssl",        "--sslCAFile",        "1dd14d0c-1b52-4f63-a606-53ecba28771d",        "--authenticationDatabase",        "admin",        "--host",        "abases.appdomain.cloud:31198"      ]    }  }}
```

You need to scroll down to get the credentials details.

```
"db2": {  "authentication": {    "method": "direct",    "password": "qdg93144",    "username": "qdg93144"  },  "certificate": {    "certificate_base64": "LS0tLS1CRUdJTi10RVJUSUJQ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJ0Z01KQVA1S0R3ZTNCTkxiTUeR0NTcUdTSW1zRFFfQkN3VUFNQjR4SERBYUJnTlYkQkFNTUwbnENU0J0YkE5MmVpDQkVZWZJOWM16e1pYTXdIaGNOTWpBd01qSTVNRFF5TVR8eVdoY05NekF3TWp3MgpNRFF5TVR8eVdoQWVNUnd3R2d2RFRZRUURE0k5KlUWswZ1EyaHZkV1FnUkdGMF1XSmbjM1Z6TU1lQk1qQU5cZ222xcmhzaUc5dzBCQVFFRkF8T0NBUThtbTU1QkNnS0NBVV8dXUvbi1pMW9xdkgGNU8xSgpEa1psK25iYjE4UkR4ZGwKZrLUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1hzbmhmQSVFOMG01L8x5YzdBY291VXNnSGR0QWp0VGcrSUsxbjBrdDMzTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRU1vM1JWTKV6SkNHYN5LSXZdZWkZVSUtzrCldNM1R0SD15cnFSSGN0Z2ZpIU1FnRkVTRm1YaHJiODhSQmd0amIva0xtV0pCaTFBeEadwNobWZ2QVRmNEN0Y3EKY21QcHNqdDBPTnI0Ynh3MVRyUWxEemNiN1hMSFBzW91SUpxZndVzMUZvaTEySmRNM1MzK3abFZPMUZnZkU3bwpKMjhUdGJoZ3J3G0GtIU0NMskjvTTF5Z3FPZG90Vn5Q0C9E0WZhamNWN01Wd2V4a01S0TIVEkR1FjRFRQUjvMU13ClVUQWRcZ05wSFE0RUZnUVV1Q3J2anFJQzc1VUpXVnZEMDh1ZWdq0DZ1UmN3SHd2RFRZSMGpCQmd3Rm9BbWVWdC1kKanfJQzc1VUpXVnZEMDh1ZWdq0DZ1UmN3RHd2RFRZSMFRBUUgVQkFVd0F3RUIVEkFiYmE2S1YrQTVscEttMwdjV3VHYzMKK1UzVTFzTDd1Ujd3ZFfuVjU0TVU4aErvNi9sVHRMRVB2Mnc3V1NPS1FDK013eJgzTFJMdjVH5W5BN1JySWNhKwozM0wxNnB4ZEtttd1pLYThwcnBnMXJ3QzRnY3d1YUHYMUNEW E42K0J1bzvhW65Ykwh6UG91cl0YS18oaGdXZ235CkNd0UdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW51NVZ2ZBHQ0b1J3dTFbGdZRDNjek1tbj1LREQKNhB1REFvYTYZyMktZZE4XvkxuN3F3V61TbD1TU05RPT0KLS0tLS1FTkQ0Q09SVSE1GSUNBVEUtLS0tQo="  },  "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"  },  "composed": [    {      "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=rplset"    },    {      "database": "bludb",      "host": "bludb",      "hosts": [        {          "hostname": "bludb",          "port": 32733        }      ]    },    {      "jdbc_url": [        "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:user=<userid>;password=<your_password>;sslConnecti"      ],      "on=true": true    }  ]}
```

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## Changelog

Date	Version	Changed by	Change Description
2021-07-09	2.1	Malika	Updated screenshots
2020-08-27	2.0	Simran	Migrated lab to course in GitLab