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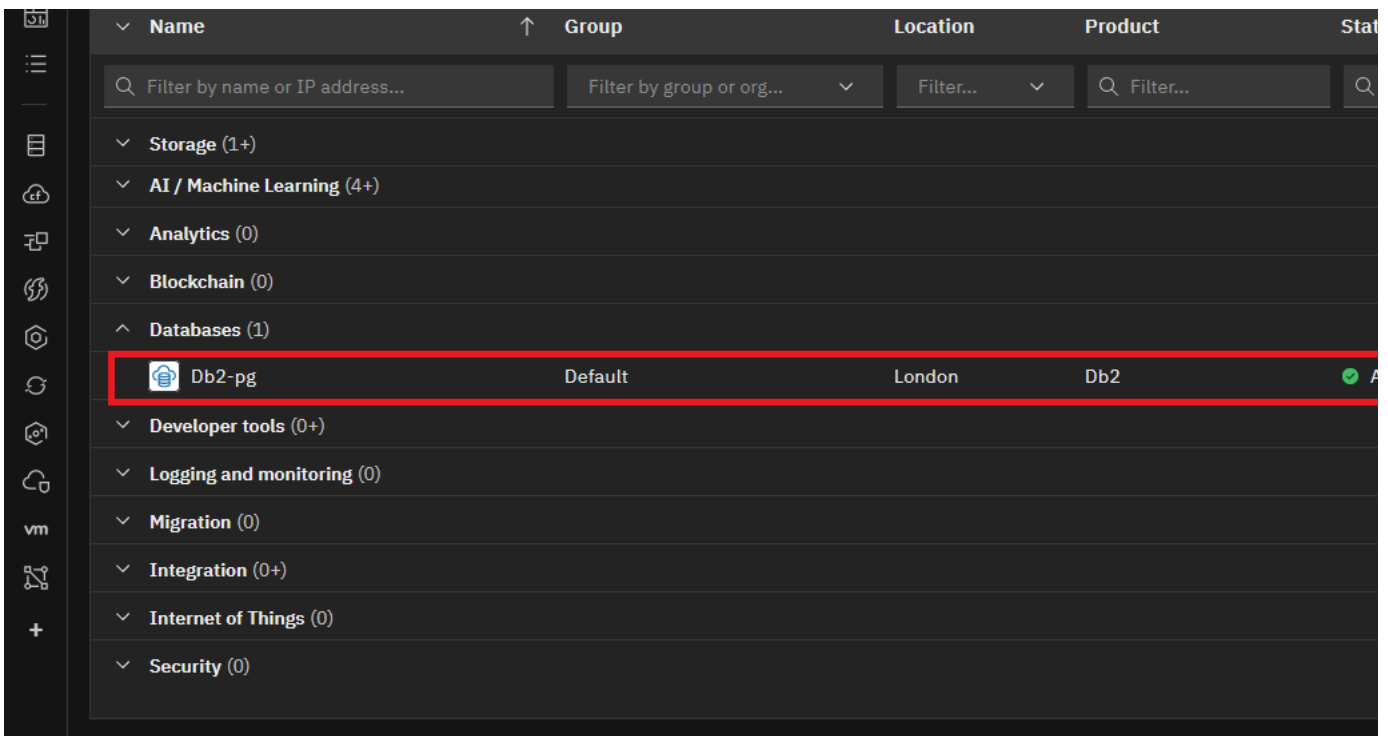
0. Go to your IBM Cloud Resources dashboard (or click on IBM Cloud in the top left corner):

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.

1. In the Resource list, expand the **Databases** heading and locate and click on your instance of Db2 you provisioned in exercise 2 (the name typically starts with Db2-xx for example Db2-fk, Db2-50, etc.)

2. Click on Service Credentials in the left menu

Resource list /

Db2-f7 ✅ Active   Add tags ✎

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3. 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

Name:

Service credentials-3

Role: ⓘ

Manager   ⌄

Advanced options ⌄

Cancel   Add

4. Check the box to **View credentials**

5. 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

Db2-f7 ✓ Active   Add tags ✎

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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...

∧	☐	Key name	Date cr
∧	☐	Service credentials-1	2021-0

```
{
    "connection": {
        "cli": {
            "arguments": [
                [
                    "-u",
                    "mwh70849",
                    "-p",
                    "                    ",
                    "--ssl",
                    "--sslCAFile",
                    "1dd14d0c-1b52-4f63-a606-5
                    "--authenticationDatabase"
                    "admin",
                    "--host",
                    "
abases.appdomain.cloud:31198"
                ]
```

You need to scroll down to get the credentials details.

```
    "db2": {
      "authentication": {
        "method": "direct",
        "password": "████████████",
        "username": "qdg93144"
      },
      "certificate": {
        "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ0lKQVA1S0R3ZTNCTkxxiTUEw
UU0JEYkc5MVpDDQkVZWFJoWW1GelpYTXdIaGNOTWpBd01qSTVNRFF5TVRBeVdoY05NekF3TWpJMgpNRFF5TVRBeVddqQWVNUnd3R2dZRFZRUUREQk5KUW
Uc5dzBCCQVFFRkFBT0NBUThBTUlJQkNnS0NBUUVBdXUvbitpWW9xdkkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0plRXdhdG13
0QwpDVGcrSUsxbjBrdDMrTHM3d1dTakxqVE96M3M3M1ZUSU5yYmx3cnRJRU1vM1JWTkV6SkNUNHYW5LSXdZMWZVSUtrCldNMlR0SD15cnFsSGN0Z2pIU1
VRmNENOY3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrWW91SUprdnVzMUZvaTEySmRNM1MrK3labFZPMUZmZkU3bwpKMjhUdGJoZ3JGGOGtI
KR1FJREFRQUJvMU13Q1VUQWRCZ05WSFE0RUZnNUVV1Q3JZanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVVZc1kKanFJQzc1VU
kFOQmdkcWhraaUc5dzBCCQVFzRgpBQU9DQVFFQUkyRTBUBUOUt3M1N3RjJ2MXBqaHV4M01kWWV2SGFVSkRMb0tPd0hSRnFSOHgxZ2dRcGVEcFBnMk5SCkx3
PekIyWmE2S1YrQTVscEttMWdjV3VHYzMKK1UrVTFzTDd1Ujd3ZFF1VjU0TVU4aERvNi9zVHRMRVB2Mnc3VlNPS1FDK013ejgrTFJMdjVHSW5BNlJySw
E42K0JIbzhvWG5YWkh6UG91cldS1BoaGdXZ2J5CkNDcUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZZbHQ0b1J3dTFlbGdzRDN
RPT0KLS0tLS1FTkQgQ0VSVElGSUNBVEUtLS0tLQo=",
        "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
      },
      "composed": [
        "db2://qdg93144:████████████@54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdom
eplset"
      ],
      "database": "bludb",
      "host_ros": [
        "54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:30592"
      ],
      "hosts": [
        {
          "hostname": "████████████████████████████████████████",
          "port": 32733
        }
      ],
      "jdbc_url": [
        "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb
on=true;"
      ],
      "path": "/bludb"
```

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