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.

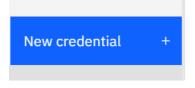　1. Locate and click on your Db2 service listed under Services.

(**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.)

　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:
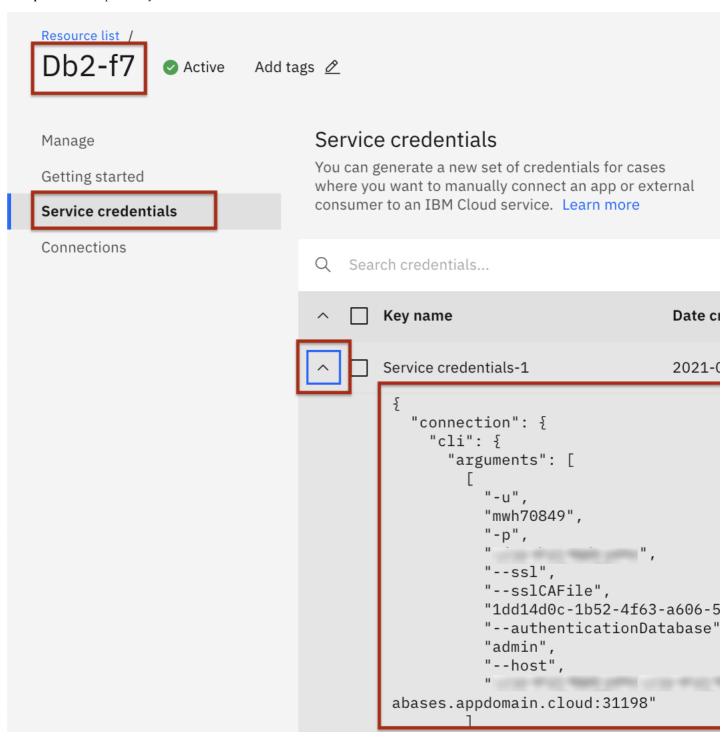
Service credentials-3

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

Resource list /

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": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ0lKQVA1S0R3ZTNCNCkxiTUEw
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Uc5dzBCCQVFFRkFBT0NBUThBTUlJQkNnS0NBQUVBBdXUvbitppWW9xdkkkGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoGUGMxMTREY1FUK0plRXdhdG1\
0QwpDVGcrSUsxbjBrdDMrTHM3d1dTakxxqVE96N3M3M3M1ZUSU5yYmx3cnRIRU1vM1JWTkV6SkNNHYW5LSXdZZMWZVSUtrCldNMlR0SD15cnFsSGN0Z2pIU7\
VRmNENOY3EKY21QcHNqdDBBPTnI0YnhJMVRyUWxEemNiN1hMSFBrWW91SUprdnZzMUZvaTEySmRNM1MrK31abFZPMUZmZkU3bwpKMjhUdGJoOZ3JGOGt1\
KR1FJREFRQUJvMU13C1VUQWRCCRZ05WSFE0RUZnUVV1Q3JZanFJQzc1VUpxVmZZEMDh1ZWdqeDDZiUmN3SHdZRFZTMGpCQmd3Rn9BVWVVVDc1kKanFJQzc1V\
kFOOmdrcWhraUc5dzBCCQVFzRgpBQU9DQVFFQUkyRTBUUOUt3M1N3RjJ2MXBqaHV4M01kWWV2SGFVSkRMb0tPd0hSRnFSOHgzZ2dRcGVFBnMk5SCkx3\
PekIyWmE2S1YrQTVzcEttMWdjV3VHYzMKK1UrVFFzTDdlUjd3ZFFFuVjU0TVU4aERvNi9zVHRMRVB2Mnc3V1NPS1FDK013ejgrTFJMdjVHSW5BN1JyS\
E42K0JIbzhvWG5YWkh6UG91clddYS1BoaGdXZ2J5CkNDUdIK0NNNnlQ1eFg3b05NS3VNSUNqRVZ2ndnNLWnRxeTQ5VW5iNVZZZbHQ0b1J3dTF1bGdzRDN\
RPT0KLS0tLS1FTkQgQ0VSVElGSUNBVEUtLS0tLQo=",
        "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
    },
    "composed": [
        "db2://qdg93144:               @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdor
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/bludk
on=true;"
    ],
    "path": "/bludb"
```

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Changelog

Date	Version	Changed by	Change Description
2023-05-11	2.5	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	2.4	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	2.3	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	2.2	Eric Hao & Vladislav Boyko	Updated Page Frames
2021-07-09	2.1	Malika	Updated screenshots
2020-08-27	2.0	Simran	Migrated lab to course in GitLab