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):
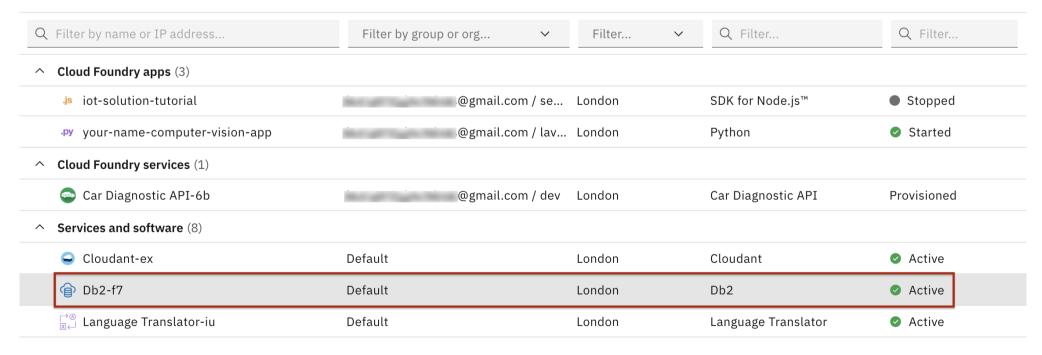
https://cloud.ibm.com/resources

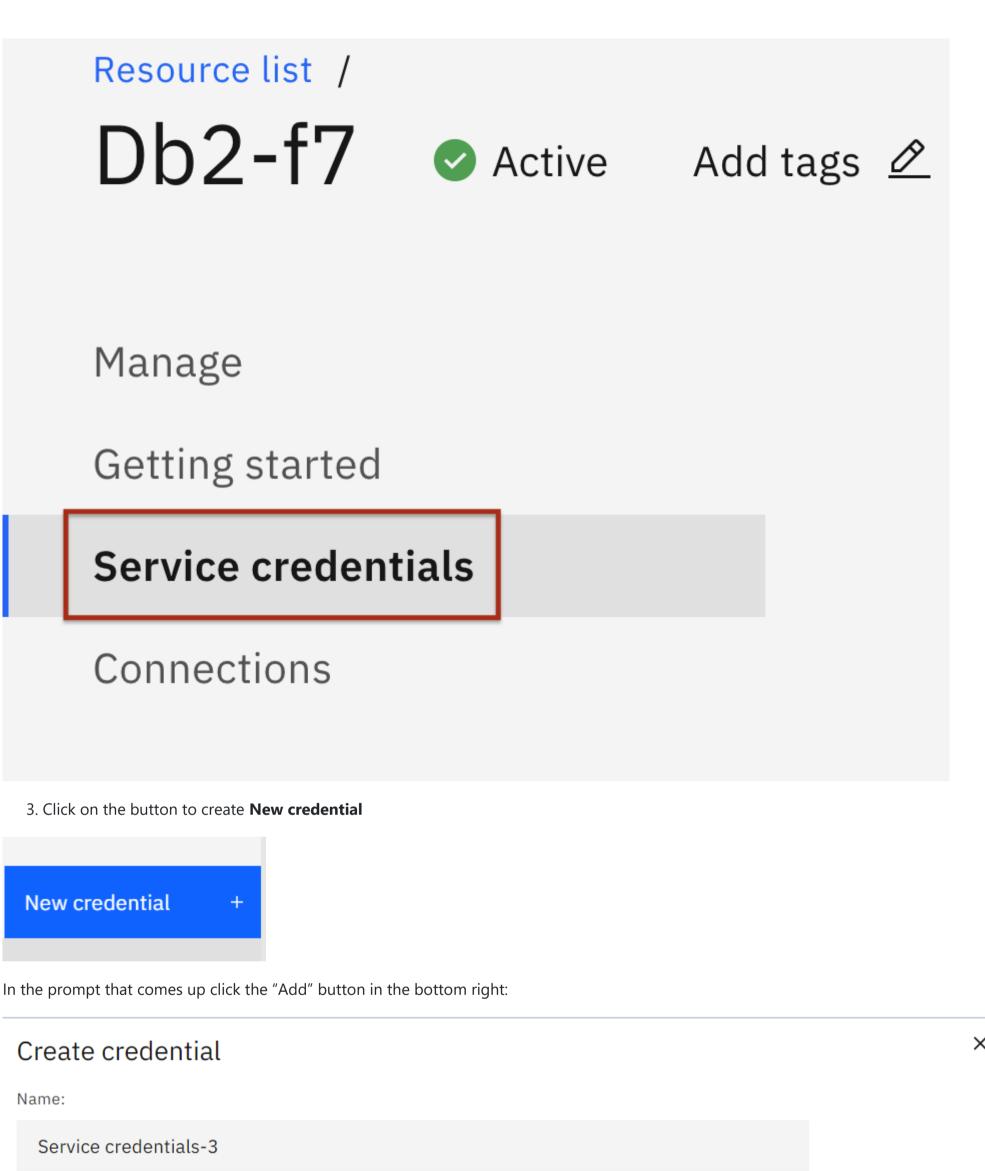Note: you may need to log into IBM Cloud in the process of loading the resources/dashboard.

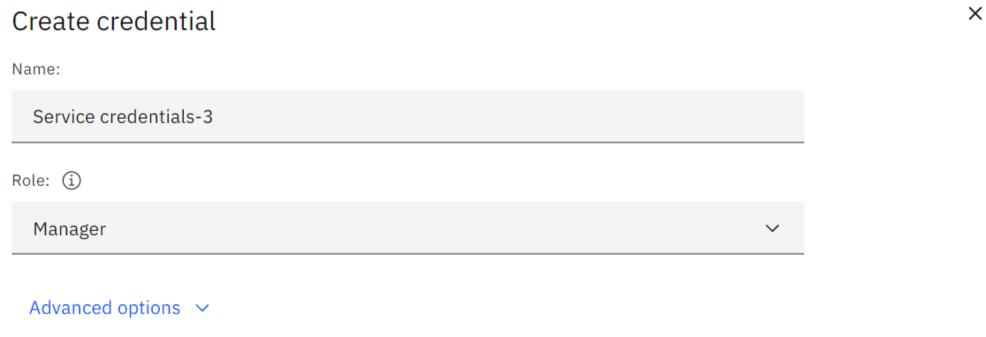If your connection is slow it may take over 30 seconds for the dashboard to fully load.

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.)

Filter by name or IP address...	Filter by group or org...	Filter...	Filter...	Filter...
Cloud Foundry apps (3)				
.js iot-solution-tutorial	...........@gmail.com / se...	London	SDK for Node.js™	● Stopped
.py 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

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: ⓘ

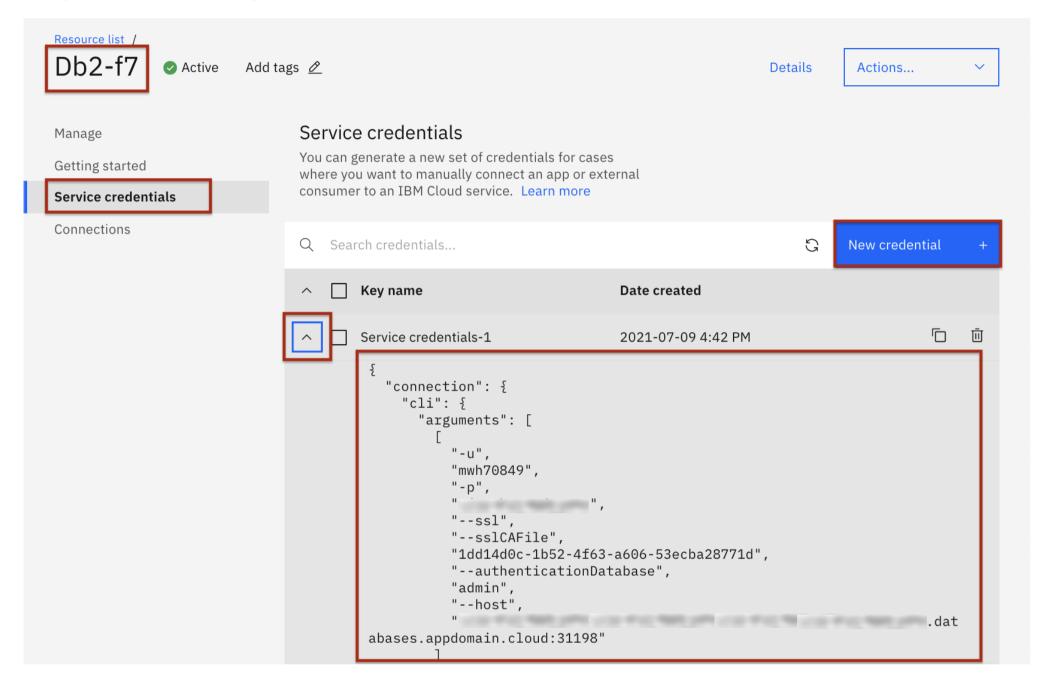Manager   ⌄

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 ✎   Details   Actions... ▾

Manage

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Service credentials

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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...   ↻   New credential +

∧	☐	Key name	Date created
∧	☐	Service credentials-1	2021-07-09 4:42 PM

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

You need to scroll down to get the credentials details.

```
"db2": {
    "authentication": {
        "method": "direct",
        "password": "            ",
        "username": "qdg93144"
    },
    "certificate": {
        "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURFakNDQWZ0Z0F3SUJBZ0lKQVA1S0R3ZTNCTkxxiTUEwR0NTcUdTSWIzRFFFQkN3VUFNQjR4STERBYUJnT1YKQkFNTUUUwbEN
UU0JEYkc5MVpDQkVZWFJvWW1GelpYTdIaGGNOTWpBb01qSTVNRFF5TVRRBeVdoY05NekF3TWpJMgpNRFF5TVRRBeVdqQWVNUnd3R2dZRFZRUUREQk5QbGRkGWxuZ1RGGxkUWX1FZNQR0VDR1VFcFBnMk5SCkx3R08yek85eek85SWZUMMhLaWd1d2l2WnJ5SGGxxcHl4Q0pwLDHJEU28xZUV
PekIyWmE2S1YrQTVscEttMWdjV3VHYzMKK1UrVTFzTDd1Ujd3ZFFuVjU0TVU4aEVvNi9sVHRMRVB2Mnc3V1NPS1FDK013ejgrTFJMdjVHSW5BN1JySSWNhKwozM0wxNnB4ZEttd1pLYThWcnBnMXJ3QzRnY3d1YuhYMUNE
E42K0JJbzhvWG5YWkh6UG91cldYS1BoaGdkXZ2J5CkNDcUdIK0NWNnNQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iVZZbHQ0b1J3TFlbGdzRDNjek1tbj1LREkQKNHB1REFvYTZyMktZZE4xVkxuN3F3VG1TbDlTU05
RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBVEUtLS0tLQo=",
        "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
    },
    "composed": [
        "db2://qdg93144:           @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=r
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:user=<userid>;password=<your_password>;sslConnecti
on=true;"
    ],
    "path": "/bludb"
```

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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