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.

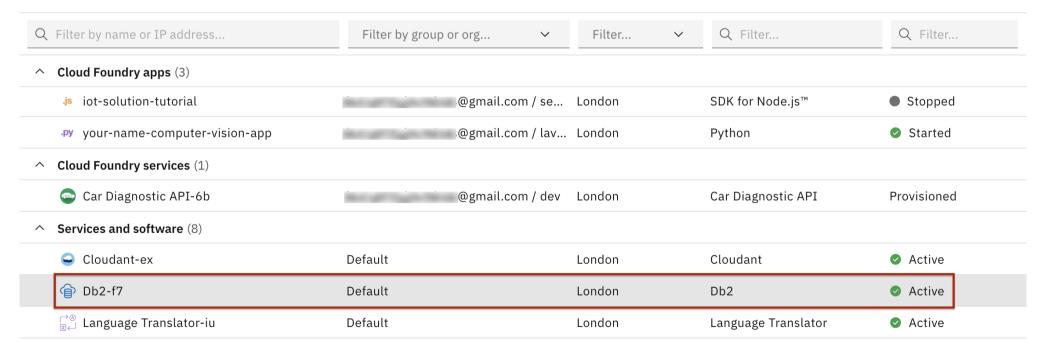   0. Go to your IBM Cloud Resources dashboard (or click on IBM Cloud in the top left corner):

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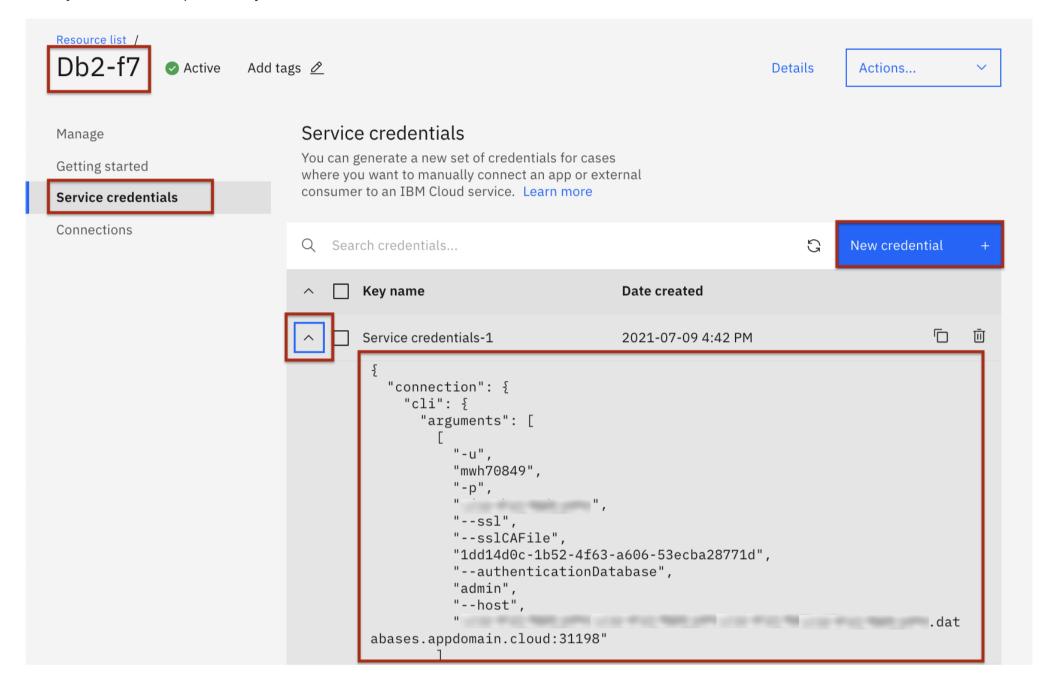
In the prompt that comes up click the "Add" button in the bottom right:

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

Resource list /

Db2-f7   ✓ Active   Add tags ✎   Details   Actions... ⌄

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

Manage

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Connections

🔍 Search credentials...   ⟳   New credential +

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

```json
{
    "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": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURFakNDQWxZ0F3SUJBZ0lKQVA1S0R3ZTNTcUdJWExMM0NTUWwWwbEN
UU0JEYkc5MVpDQkVZWFJvWW1GelpYTdIaGNNOTWpBBd01qSTVNRFF5TVRBeVdoY0Y5NekF3TWpJMgpNRFF5TVRBeVdqQWVQWVNUnd3R2dZ2DRFZRUUREQk5kQW5uZ21ETVIWd
Uc5dzBCQVFFRkFBT0NBUThBTU1JQkNnS0NBUUVBeDNUXvbitpWW9xdkdGNU8xSGpEEa1psK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXhdG13aG5xSVFOMG01L0x5YzdBY291VXNmSGR
0QwpDVGGczSUsxbjBrdDMzTHM3d1dTakxqVE96N3M3M3lZUSU5yYmx3cnRIRU1vM1JWTkV6SkNhHYW5LSXdZMWVSUtrCldNM1R0SD15cnFsSGN0Z2pIU1lFmRkVTRmlYaHJi0DhSQmd0amIva0xtVGpCaCVaWdWNobWZ2Q
VRmNENOY3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrWW91SUprdnVzMUZvaTEySmRNM1MrK3labFZZPMUZmZkU3bwpKMjhUdGJJoZ3J3dGu0eklU0NNSkvTTFSZ3FPZG09Vm5QODC9E0WZhamNNN0lWd2V4a01SOTN
KR1FJREFRUJvMU13C1VUQWRCZ05WSFE0RUZnUVVl1Q3JZanFFJQzc1VUpxVmZEMDh1ZWdqeD3iUmN3SHdZRRFZSMGpCQmd3M3Rm9BVWWDc1kKanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3RHdZRRFZSMFRBUUgvQkFVd0F3RUl2e
kFOQmdrcWhraaUc5dzBCQVFzRgpBUU9DQVFFQUkyRTB0Ut3M1N3RjJ2MXBqaaV4M01kWWV2SGFVSkRBMb0tPd0hSRnFFSOHgxZ2dRcGVGckN4Bnm5SCkx3R08yek85SWZUMmhLaWd1d2orWnJJ5SGxxcHlxQ0pLOHJJEU28xZUV
PekIyWmE2S1YrQTVscEttMWdjV3VHYzMKK1UrVTFzT0d1Ujd3ZFhFuVjU0TVU4aERvNi9sVHRMRVB2Mmc3V1NPS1FDK013ejgrTFJMdjVHSW5BN1JySWNhkwozM0wxNnB4Zettd1pLYThWcnBnMXJ3QzRnY3d1YUHYMUNEW
E42K0JIbzhvWG5YWkh6UG91cldYS1BoaGdXZ22J5CkNDcUdIK0NWN0Q1eFg3b05NS3VNSUNqRVZndnNLWnRQeTQ5VW5iNVZZbHQ0b1J3dTFlbGdzRDNjekltbjlLREQKNHB1REFvYTZyMktZZE4xVkxuN3F3VG1TbD1TU05
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