

Skills Network

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.)

Q	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

Manage

Getting started

Service credentials

Connections

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...

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 +

<input type="checkbox"/>	Key name	Date created	
<input type="checkbox"/>	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",
        "abases.appdomain.cloud:31198"
      ]
    }
  }
}
```

You need to scroll down to get the credentials details.

```
"db2": {
  "authentication": {
    "method": "direct",
    "password": " ",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CRUdJTiB0dGVzUSUzQ0FURSB0tLS0tCk13SURFakN0QWZxZ0F3SUJBZ0t1K0VhV1S0R3ZTNCTkxiTUEwR0NTcUdTSWZzRFFkQWk3VUFNQjR4SERBYUJnTlYKQkFNTUUbEN
UU0JEYkc5MVPp0QkVZWZJ0wW1GelpYXkxIAGN0TmB0d01qSTVNRFF5TVRBeVdoY095NEkF3TmJmMgpNRFF5TVRBeVd0QWVNUnd3R2dZRFZRUUREQk5KUWswZ1EYeHZkV1FnUkdGMFlXSmbjW1Z6TUI1J0k1QU5CZ2Z2xChmza
Uc5daBQVFFRkFBN0U0TbTUL1J0k1N5N0BUUVRdXUvbiTpw9xdkdG0NU8xSGpEa1p8k25YjE4UkR4ZGwKTAk13F0UGkxTREY1FUK0p1RXdh0G13aG1jTGxaQnF2QWFMb1hpbmhcSVF0M0LL0x5Yz0BY291VXNwSGR
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VRnNEUW93KEVY210CHNqd0BPTnI0YnhJMVVRYUwxEeN1N1hMSFBzWw91SUprdnVzMUZvaTEySmRNW1MxK31abfZPMUZnZkU3bwpKNhJldGJ0Z3J0G0GtIU0NMNSKJvTTF5Z3FPZG90Vn50Q090WZhamNNO1Wd2V4a01S0TN
KR1FjREFRFRUjYwU13C1VUQRCZ05WSEF0RUZnUUV1Q3J2anFJQzc1VUpxVmZEMDh1ZWdq0ZiUmN3SH0ZRFZSMGpCQmd3Rn9BVWV0c1kkanFJQzc1VUpxVmZEMDh1ZWdq0ZiUmN3SH0ZRFZSMFRUJvQkF0d0903RUIVe
kF0QmdrcWhraUc5dzB0QVZlZGp0V0VFF0UkYRTBU0Uz3M1N3Rj32MXBqaHV4M01kWWZ2SGFVSkrMb0tPd0hSRnFS0HgxZ2dRcGVFcFBNMk5ScKx3R08yek85SMZUMmhlaw1d2orWnJ5S5GxcH1Q0pLOHJEU28xZUV
PekIyWmE2S1YrQTVscEttMwdjV3VHY2MKK1UzVTFZTd0d1Ujd3ZFVuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013eJgrTFJMdjVH5W5BN13ySWNhKwozM0wXNnB4ZEtt1pLYThWcnBnMXJ3QzRnY3d1YUHYMUNEWE
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RPT0KLS0tLS1FTkQ0Q0VSVE1GSUNBVEU0tLS0tLQo="
  },
  "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
},
"composed": [
  "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu01qde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=r
eplset"
],
"database": "bludb",
"host_id": "54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu01qde00.databases.appdomain.cloud:30592",
"hosts": [
  {
    "hostname": " ",
    "port": 32733
  }
],
"jdbc_url": [
  "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu01qde00.databases.appdomain.cloud:32733/bludb:user=<userid>;password=<your_password>;sslConnecti
on=true;"
],
"jdbc_driver": "com.ibm.db2.jcc.DB2JCC"
```

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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

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