



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-f7**. Your Db2 service may have different letters/numbers in the suffix e.g. **Db2-f8**, **Db-50** etc.)



^ Cloud Foundry apps (3)

 **iot-solution-tutorial** @gmail.com / se... London


 **your-name-computer-vision-app** @gmail.com / lav... London

^ Cloud Foundry services (1)

 **Car Diagnostic API-6b** @gmail.com / dev London

^ Services and software (8)

 **Cloudant-ex** Default London

 **Db2-f7** Default London

 **Language Translator-iu** Default London

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](#)

[New credential](#)

Key name

Date created



Service credentials-1

2021-07-09 4:42 PM



```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "mwh70849",
        "-p",
        "XXXXXXXXXXXXXXXXXXXX",
        "--ssl",
        "--sslCAFile",
        "1dd14d0c-1b52-4f63-a606-53ecba28771d",
        "--authenticationDatabase",
        "admin",
        "--host",
        "XXXXXXXXXXXXXXXXXXXX.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": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ01KQVA1S0R3ZTNCTkxiTUeW0NTcUdTSWZlRFFFQkN3VUFNQjR4SERBYUJnTlYkQkFNTUUbEN
UU0JEYkc5MVPdQkVZWJFJ0WlW1Ge1pYTXdIaGN0TWpBd01qSTVNRFF5TVRBeVdoY05NekF3TWpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMFlXSmhjMlZ6TU1JQk1qQU5CZ2txCmhra
Uc5dzBCQVFFRkFBT0NBUThtBTU1JQkNnS0NBUEVBUVBDXUvbitpWw9xdkdGNU8xSGpEalpsK251YjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1hzbmhqSVF0MG01L0x5YzdBY291VXNmSGR
0QwpDVGcrSUsxbjBrdDMrTHM3d1dTakxqVE96N3M3MlZUSU5yYmx3cnRIRUlvM1JWtkV6SkNHYW5LSXZdZWZVSUtrCldNM1R0SD15cnFsSGN0Z2pIU1FmRkVTRm1YaHJiODhSQmd0amIva0xtVGpCaTFBeEVadWNoWZ2Q
VRmNEN0Y3EKY210cHNqdDBPTnI0YnhJMVRyUWxEemNi1hMSFBrWw91SUprdnVzMUZvaTEySmRNM1MkK3labFZPMUZmZkU3bWpKMjhUdGJoZ3JGOGtIU0NMSk1vTTF5Z3FPZG90Vm5QOC9EOWZhamNNN01Wd2V4a01S0TN
KR1FJREFRQUJvMU13ClVUQWR0Z05WSE0RUZnUUV1Q3JZanFJQzclVUpxVmZEMDh1ZWdqDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVdclKkanFJQzclVUpxVmZEMDh1ZWdqDZiUmN3RHdZRFZSMFRBUUgvcKfVd0F3RUIve
kF0QmdrcWhraUc5dzBCQVFFZGpBQU9DQVFFQUkyRTBU0Ut3M1N3RjJ2MXBqaHV4M01kWWV2SGFVSkrMb0tPd0hSRnFSOHgxZ2dRcGVFcFBnMk5SCkx3R08yek85SwZUMmhLaWd1d2orWnJ5SGxxcH1xQ0pL0HJEU28xZUV
PekIyWmE2S1YrQTVscEttMwdjV3VHYzMkK1UrtVFzTd1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3VlNPS1FDK013ejgrTFJMdjVHSW5BN1JySWNhKwozM0wxNnB4ZEtt1pLYThWcnBnMXJ3QzRnY3d1YUhyMUNEW
E42K0JlIbzhvW5YWhk6UG91clYS1BoaGdXZ2J5CkN0cUdIK0NWnN01eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZZbHQ0b1J3dTFlbGdzRDNjek1tbj1LREQKNHB1REFvYTZyMktZZE4xVksuN3F3VG1TbD1TU05
RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBVEU0tLS0tLQo=",
    "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_ids": [
    "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;"
  ],
  "auth": " /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

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