

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.)

Filter by name or IP address...		Filter by group or org...	Filter..
^ Cloud Foundry apps (3)			
.js	iot-solution-tutorial	@gmail.com / se...	London
.py	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

Manage

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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 created



Service credentials-1

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```
{
  "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": "LS0tLS1CRUdJTiB0RVJUSUZJQ0FURSB0tLS0tCk1JSURFakN0QWZxZ0F3SUJBZ01KQVA1S0R3ZTNCTkxiTUEwR0NTcUdTSWIZRFFkN3VUFNQjR4SERBYUJn
UU0JEYkc5MVPDQkVZWJFJoWw1GeIpYTXdIaGN0TWpBd01qSTVNRFF5TVRBeVdoY05NekF3TWpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjM1Z6TU1JQk
Uc5dzBCQVFRkFBT0NBUThtBU1JQkNnS0NB0UUVBdXUvbitpW9xdkdGNU8xSGpEa1psK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhbG13aG1jTG6aQnF2QWFMb1hzbmhqSVF0MG01L0x5
0QwpDVGciSUsxbjBrdDMzTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRU1vM1JWTKV6SkNHVW5LSXd3ZWZVSU50tCldNM1R0SD15cnFSGN0Z2pIU1FmRkVTRm1YaHJiODhSQmd0amIva0xtVGpCaT
VRmNENQY3EKY21QcHNqdDBPTnI0YnhhJmVRYUWxEemNiN1hMSFBzW91SUprdnVzMUZvaTEySmRNM1MzK3labFZPMUZmZkU3bwpKMjhUdGJoZ3JGOGtIU0NMskJvTTF5Z3FPZG90Vm5QOC9EOWZhamNN
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kF0QmdicWhraUc5dzBCQVFRkFBT0NBUThtBU1JQkNnS0NB0UUVBdXUvbitpW9xdkdGNU8xSGpEa1psK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhbG13aG1jTG6aQnF2QWFMb1hzbmhqSVF0MG01L0x5
PekIyWmE2S1YrQTVScEttMwdjV3VHYzMKK1UzVTFzTDd1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013ejgrTFJMdjVHsw5BN1JySWNhKwozM0wxNnB4ZEttd1pLYThWcnBnMXJ3Qz
E42K0JIBzhvWGSYwkh6UG91cldYS1BoaGdXZ2J5CkNDcUdIK0NWnNq1eFg3b05NS3VNSUNqRVZndnNLWnRqTQ5VW5iNVZbZbHQ0b1J3dTF1bGdzRDNjek1tbj1LREQKNH81REFvYTZYMktZZE4xVkkxu
RPT0KLS0tLS1FTkQ0VSVe1GSUNBVEUtLS0tLQo=",
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=adm
eplset"
  ],
  "database": "bludb",
  "host_info": [
    "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_passwo
on=true;"
  ],
  "name": "bludb"
}
```

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Skills Network