

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.)

Q Filter by name or IP address...	Filter by group or org...	Filter...	Q Filter...	Q 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

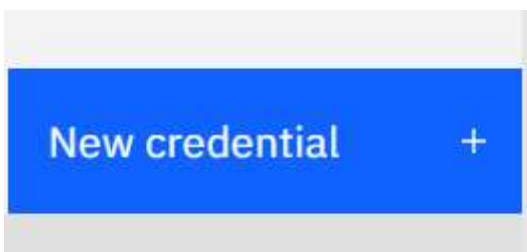
Manage

Getting started

Service credentials

Connections

3. Click on the button to create **New credential**



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

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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",
        "abases.appdomain.cloud:31198"
      ]
    }
  }
}
```

You need to scroll down to get the credentials details.

```
"db2": {
  "authentication": {
    "method": "direct",
    "password": "qdg93144",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSU2J0QFURS0tLS0tCk1JSURkN0QWZxZ0F3SUJBZ0lKQVA1S0R3ZTNCTkxiTUEwR0NTcUdTSWZlRFFkQkN3VUFNQjR4SERBYUJnTlYkQkFNTUwBEN
UU0JEYkc5MVpDQkVZWJ0Wm1GelpYTXdIaGNOTWpBd01qSTVNRFF5TVRBeVdoY05NekF3TWpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EYeHZKv1FnUkdGMF1XSmhjM1Z6TU1J0k1qQU5CZ22txCmhza
Uc5dzBCQVFRkFBT0NBUTBhTlU1J0kNnS0NBUEVBUVBDXUvbitpWw9xdkdGNU8xSGpEa1psK25iYjE4UkR4ZGwKZXRUL3FoUGMxMTREY1FUK0p1RXdhGdG13aG1jTGxaQnF2QWFMb1hzbmhmQSVFOMG01L0x5YzdBY291VXNmSGR
0QwpDVGcrSUsxbjBjZDMzTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRU1vM1JWTV6SkNHVW5LSXZdZPMWZVSUtrC1dNM1R0SD15cnFSGN0Z2pIU1FmRkVTRm1YaHJiODhSQmd0amIva0xtVGpCaTFBeEVadWNoWZ2Q
VRmNEN0Y3EKY21qCHNqdDBPTnI0YnhJMVRyUWwEemNiN1hMSFBzWw91SUpzdndVzMUZvaTEySmRNM1MzK31abFZPMUZmZkU3bWpKMjhUdGJoZ3JGOGtIU0NMSkVjTTFZSFZFPZG90Vm5QOC9E0WZhamNN01Wd2V4a01S0TN
KR1FJREFRQUJvMU13ClVUQWRzC05WSE0RUZnUVV1Q3JZanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVdclKkKanfJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3RHdZRFZSMFRBUUgVQkFvD0F3RUIVE
kF0QmdicWhraUc5dzBCQVFRzRgpBQU9DQVFFOUkyRTBUOUt3M1N3RjJ2MXBqaHV4M01kWWV2SGFVSkrMb0tPd0hSRnFS0HgXZ2dRcGVFcFBnMk5ScKx3R08yek85SWZUMmhlawd1d2ozWnJ5S5GxxcH1xQ0pLOHJEU28xZUV
PekIyYmE2S1YvQTVScEttMmdjV3VHYzMKK1UzVTFzTDd1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013eJgrTFJmdjVH5W5BN1JySwNkKwozM0wxNnB4ZEttd1pLYThwcnBnMjJ3QzRnY3d1YUuYMUENEW
E42K0J1bzhyWGSYVkh6UG91clY518oaGdXZ2J5cKNDcUdIK0NWnN01eFg3b05NS3VNSUqRVZ2ndnNLNwRqeTQ5W5i1VZ2bHQ0b133dTf1b6dzRDNjek1tbj1LREQKNH81REFvYTZyMktZ2E4xVkuN3F3V61Tb01TU05
RPT0KLS0tLS1FTkQ0VSVe1GSUNBEVU0tLS0tLQo="
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=r
eplset"
  ],
  "database": "bludb",
  "host": {
    "hostname": "54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30592"
  },
  "hosts": [
    {
      "hostname": "54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30592",
      "port": 32733
    }
  ],
  "jdbc_url": [
    "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:user=<userid>;password=<your_password>;sslConnecti
on=true;"
  ],
  "host": "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
2021-07-09	2.1	Malika	Updated screenshots
2020-08-27	2.0	Simran	Migrated lab to course in GitLab

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