



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	[REDACTED]@gmail.com / se...	London
.py	your-name-computer-vision-app	[REDACTED]@gmail.com / lav...	London
Cloud Foundry services (1)			
	Car Diagnostic API-6b	[REDACTED]@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

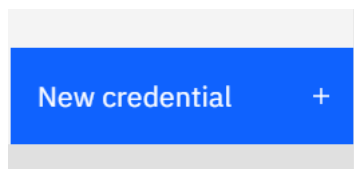
Manage

Getting started

Service credentials

Connections

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



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

Manage

Getting started

Service credentials

Connections

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](#)

Search credentials...

New credentials

	Key name	Date created
<div>^</div>	Service credentials-1	2021-07-09 4:42 PM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "mwh70849",
        "-p",
        "XXXXXXXXXXXX",
        "--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": "LS0tLS1CRUdJTiBDRVJUSUZZQ0FURS0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ01KQVA1S0R3ZTNCTkxiTUeWR0NTcUdTSWIZRFFQkN3VUFNQjR4SERBYUJnTlYkQkFNTU
UU0JEYkc5MVpDQkVZWfJowW1GelPjYXdiIaGN0TwpBd01qSTVNRFF5TVRBeVdoY05NekF3TwpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjM1Z6TU1JQk1qQU5CZ2tx
Uc5dzBCQVFRkFBT0NBUTH8TU1JQkNnS0NBUEVbdXUvbitpWw9xdkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1hrbmhQSVFOMG01L0x5YzdBY291VX
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VRmNEN0Y3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrWw91SUprdnVzMUZvaTEySmRNM1MxK3labFZPMUZmZkU3bwpKMjhUdGJoZ3JGOGtIU0NMSkVvTTF5Z3FPZG90Vm5QOC9EOWZhamNNN01Wd2V4a0
KR1FJREFRQUJvMU13ClVUQWRZC05WSFE0RUZnUUVlQ3JZanFJQzclVUpxVmZEMDh1ZWdqDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVdcllkKanfJQzclVUpxVmZEMDh1ZWdqDZiUmN3RHdZRFZSMFRBUUgVQkFVd0F3
kF0QmdrcWhraUc5dzBCQVFRkFBT0NBUTH8TU1JQkNnS0NBUEVbdXUvbitpWw9xdkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1hrbmhQSVFOMG01L0x5YzdBY291VX
PekiyWmE2S1YrQTVscEttMwdjV3VHYzMKK1UxVTFzTDdlUjd3ZFVUvU0TVU4aERvNi9sVHRMRVB2Mnc3VlNPS1FDK013ejgrTFJMdjVHSW5BN1JySwNhKwozM0wxNnB4ZEtttd1pLYThWcnBnMXJ3QzRnY3dlYUhy
E42K0JIbzhvWG5YWhk6UG91clYs1BoaGdXZ2J5CkNdcUdIK0NWnN01eFg3b05NS3VNSUNQrVZndnNLWnRqeTQ5VW5iNVZzbHQB1J3dTF1bGdzRDNjek1tbj1LREQKNH81REFvYTZyMktZZE4xVWxuN3F3VG1Tbd
RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBVEU0tLS0tLQo=",
        "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
      },
      "composed": [
        "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replica
eplset"
      ],
      "database": "bludb",
      "host_ios": [
        "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>;sslCon
on=true;"
      ],
      "path": "/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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