



## 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**, **Db2-50** etc.)

Filter by name or IP address...		Filter by group or org...
^ Cloud Foundry apps (3)		
.js	iot-solution-tutorial	...@gma
.py	your-name-computer-vision-app	...@gma
^ Cloud Foundry services (1)		
	Car Diagnostic API-6b	...@gma
^ Services and software (8)		
	Cloudant-ex	Default
	Db2-f7	Default
	Language Translator-iu	Default

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

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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
<div>^</div>	Service credentials-1	2021-0

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "mwh70849",
        "-p",
        " ",
        "--ssl",
        "--sslCAFile",
        "1dd14d0c-1b52-4f63-a606-5",
        "--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": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ0lKQVA1S0R3ZTNCTkxiTUEv
UU0JEYkc5MVpDQkVZWfJowW1Ge1pYTXdIaGN0TWpBd01qSTVNRFF5TVRBeVdoY05NekF3TWpJMgpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUW
Uc5dzBCQVFFRkFBT0NBUTHBUTlJQkNnS0NBUEVBUVdXUvbitpW9xdkdGNUM8xSGpEalpsK25iYjE4Ukr4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13
0QwpDVGcrSUxsbjBrdDMrTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRUlvM1JWTV6SkNHYW5LSXdZWwZVSUtrClNM1R0SD15cnFsSGN0Z2pIUJ
VRmNEN0Y3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrWw91SUprdnVzMUZvaTEySmRNM1MrK3labFZPMUZmZkU3bwpKMjhUdGJoZ3JGOGtJ
KR1FJREFRQUJJvMU13ClVUQWRCZ05WSE0RUZnUUVV1Q3JZanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWV0c1kKanFJQzc1VL
kF0QmdrcWhraUc5dzBCQVFFRzRgpBQU9DQVFFQURyRTBUOUt3M1N3RjJ2MXBqaHV4M01kWwV2SGFVSkrMB0tPd0hSRnF5OHgxZ2dRcGVFcFBnMk5SCkx3
PekIyWmE2S1YrQTVscEttMWdjV3VHYzMkk1UzVTFzTDd1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013ejgrTFJMdjVHSW5BN1JySl
E42K0JIbzhvWG5YWkh6UG91cldYS1BoaGdXZ2J5CkNDcUdIK0NWnNq1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZZbHQ0b1J3dTFlbGdzRDNj
RPT0KLS0tLS1FTkQ0Q0VSVE1GSUNBVEUtLS0tLQo=",
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu01qde00.databases.appdom
eplset"
  ],
  "database": "bludb",
  "host_ios": [
    "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/bludt
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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