



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-xx” but your Db2 service may have a 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...	Filter...	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**

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](#)

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": " ",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ0lKQVA1S0R3ZTNCTkxiTUEwR0NTcUdTSWZiRFFkN3VUFNqjR4SERBYUJnTlYkQkFNTUwWbEN
UU0JEYkc5MVpDQkVZWFFJOWW1Ge1pYTXdIaGN0TWpBd01qSTVNRF5TVRBeVdoY05NekF3TWpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjM1Z6TU1JQk1qQU5CZ2txCmhz
Uc5dzBCQVFRKFBT0NBUThtBTU1JQkNnS0NBUEVBUVdXUvbitpW9xdkdGNU8xSGpEa1psK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1h1bmhqSVF0MG01L0x5YzdBY291VXNmSGR
0QwpDVGcrSUsxbjBrdDMrTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRU1vM1JWTKV6SkNHVW5LSXdZMwZVSUtrClNM1R0SD15cnFsSGN0Z2pIU1FmRkVTRm1YaHJiODhSQmd0amIva0xtVGpCaTFBeEVadWNobWZ2Q
VRmNEN0Y3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrW91SUprdnVzMUZvaTEySmRNM1MxK3labFZPMUZmZkU3bWpKmhUdGJoZ3JGOGtIU0NMMSk1JvTTF5Z3FPZG90Vm5QOC9EOWZhamNNN01Wd2V4a01SOTN
KR1FJREFRQUJvMU13ClVUQWRCZ05WSFE0RUZnUVV1Q3JZanFJQzc1VUpXVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVDe1kKanFJQzc1VUpXVmZEMDh1ZWdqeDZiUmN3RHdZRFZSMFRBUUgvQkFVd0F3RUIve
kF0QmdicWhraUc5dZBCQVFFzRgpBQU9DQVFFQUkyRTBU0Ut3M1N3RjJ2MXBqaHV4M01kLWV2SGFVSkrMB0tPd0hSRnFSOHgxZ2dRcGVEcFBnMk5SCkx3R08yek85SWZUMmhLaWd1d2o1WnJ5SGxxcH1xQ0pL0HJEU28xZUV
PekIyWmE2S1YrQTVscEttMwdjV3VHYzMkK1U1rVTFzTDd1Ujd3ZFZFuVjU0TVU4aErVnI9sVHRMRVB2Mnc3V1NPS1FDK013ejgrTFJMdjVHSW5BN1JySWNhKwozM0wxNnB4ZEtt1pLYThWcnBnMXJ3QzRnY3d1YUHYMUNEW
E42K0J1bzhvW65YWhk6UG91cldYS1B0aGdXZ2J5CkNDcUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqTQ5VW5iNVZZbHQ0b1J3dTF1bGdzRDNjek1tbj1LREQKNH81REFvYTYZyMktZZE4xVksuN3F3VG1TbD1TU05
RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBVEU0tLS0tLQo=",
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu01qde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=r
eplset"
  ],
  "database": "bludb",
  "host_ios": [
    "54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu01qde00.databases.appdomain.cloud:30592"
  ],
  "hosts": [
    {
      "hostname": " ",
      "port": 32733
    }
  ],
  "jdbc_url": [
    "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu01qde00.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
2021-07-09	2.1	Malika	Updated screenshots
2020-08-27	2.0	Simran	Migrated lab to course in GitLab

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