



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)				
iot-solution-tutorial	@gmail.com / se...	London	SDK for Node.js™	Stopped
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

Db2-f7



Active

Add tags

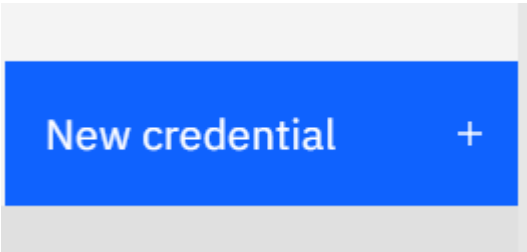
Manage

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

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",
        "10.10.10.10",
        ".dat
abases.appdomain.cloud:31198"
      ]
    }
  }
}
```

You need to scroll down to get the credentials details.

```
"db2": {
  "authentication": {
    "method": "direct",
    "password": " ",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ0lKQVA1S0R3ZTNCTkxiTUEwR0NTcUdTSWZzRFFkN3VUFNqjR4SERBYUJnTlYkQkFNTUwWbEN
UU0JEYkc5MVpDQkVZWFFJOWW1Ge1pYTXdIaGN0TWpBd01qSTVNRF5TVRBeVdoY05NekF3TWpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjM1Z6TU1JQk1qQU5CZ2txCmhz
Uc5dzBCQVFFRkF0T0NBUThtBTU1JQkNnS0NB0UUVBdXUvbitpW9xdkdGNU8xSGpEa1psK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1h1bmhQSVF0MG01L0x5YzdBY291VXNmSGR
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VRmNEN0Y3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrW91SUprdnVzMUZvaTEySmRNM1MxK3labFZPMUZmZkU3bWpKMjhUdGJoZ3JGOGtIU0NMMSk1JvTTF5Z3FPZG90Vm5QOC9EOWZhamNNN01Wd2V4a01SOTN
KR1FJREFRQUJvMU13ClVUQWRCZ05WSFE0RUZnUUV1Q3JZanFJQzc1VUpXVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVDe1kKanFJQzc1VUpXVmZEMDh1ZWdqeDZiUmN3RHdZRFZSMFRBUUgVQkFVd0F3RUIve
kF0QmdicWhraUc5dzBCQVFFZGpBQU9DQVFFQUkyRTBU0U0t3M1N3RjJ2MXBqaHV4M01kLWV2SGFVSkRMB0tPd0hSRnFSOHgXZ2dRcGVEcFBnMk5SCkx3R08yek85SWZUMmhLaWd1d2o1WnJ5SGxxcH1xQ0pL0HJEU28xZUV
PekIyWmE2S1YrQTVscEttMwdjV3VHYzMKK1U1rVTFzTDd1Ujd3ZF5vUjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013eJg1TFJMdjVHSW5BN1JySWNhKwozM0wxNnB4ZEtt1pLYThWcnBnMXJ3QzRnY3d1YUhmUNEWE
E42K0JibzhvW65Ykhh6UG91clYS1B0aGdXZ2J5CkNDcUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqTQ5VW5iNVZZbHQ0b1J3dTF1bGdzRDNjek1tbj1LREQKNH81REFvYTZyMktZZE4xVkxuN3F3VG1TbD1TU05
RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBEU0tLS0tLQo=",
    "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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