

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...

Cloud Foundry apps (3)

.js

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@gmail.

.py

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Cloud Foundry services (1)

Car Diagnostic API-6b

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Services and software (8)

Cloudant-ex

Default

Db2-f7

Default

Language Translator-iu

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2. Click on Service Credentials in the left menu

[Resource list](#) /

Db2-f7



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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](#) /

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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



Service credentials-1

2021-07-0

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "mwh70849",
        "-p",
        "XXXXXXXXXXXX",
        "--ssl",
        "--sslCAFile",
        "1dd14d0c-1b52-4f63-a606-53ec",
        "--authenticationDatabase",
        "admin",
        "--host",
        "XXXXXXXXXXXX",
        "abases.appdomain.cloud:31198"
      ]
    }
  }
}
```

You need to scroll down to get the credentials details.

```

"db2": {
  "authentication": {
    "method": "direct",
    "password": " ",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ01KQVA1S0R3ZTNCTkxiTUEwR0NT
UU0JEYkc5MVpDQkVZWfJ0Ww1GelpYTXdIaGN0TWpBd01qSTVNRRFF5TVRBeVdoY05NekF3TWpJMgpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1
Uc5dzBCQVFFRkFBT0NBUTH8TU1JQkNnS0NBUEVBUVUvbitpWw9xdkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1j
0QWpDVGcrSUsxbjBrdDMrTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRUlvM1JWtkV6SkNHYYW5LSXdZWZVSUtrC1dNM1R0SD15cnFsSGN0Z2pIU1FmRk
VRmNEN0Y3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrWw91SUprdnVzMUZvaTEySmRNM1MrK3labFZPMUZmZkU3bwpKMjhUdGJoZ3JGOGtIU0NM
KR1FJREFRQUJvMU13ClVUQWRRCz05WSE0RUZnUVVlQ3JZanFJQzclVUpxVmZEMDh1ZWdqZDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVDb1kKanFJQzclVUpxVm
kF0QmdrcWhraUc5dzBCQVFFZGpBQU9DQVFFQURyRTBU0Ut3M1N3RjJ2MXBqaHV4M01kWWV2SGFVSkrMb0tPd0hSRnFSOHgxZ2dRcGVEcFBnMk5SCkx3R08y
PekIyWmE2S1YrQTVscEttMwdjV3VHYzMkk1UzVTFzTDdlUjd3ZFfuVjU0TVU4aERvNi9sVHRMRVB2Mnc3VlNPS1FDK013ejgrTFJMdjVHSW5BN1JySwNhKw
E42K0JIbzhvWG5YWkh6UG91clYs1BoaGdXZ2J5CkN0cUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZzBHQ0b1J3dTF1bGdzRDNjek1t
RPT0KLS0tLS1FTkQ0Q0VSVE1GSUNBVEUtLS0tLQo=",
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.
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:use
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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