



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.)

Q	Filter by name or IP address...	Filter by group or org...	Filter...	Q	Filter...	Q	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

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

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",
        "XXXXXXXXXXXXXXXXXXXX",
        "--ssl",
        "--sslCAFile",
        "1dd14d0c-1b52-4f63-a606-53ecba28771d",
        "--authenticationDatabase",
        "admin",
        "--host",
        "XXXXXXXXXXXXXXXXXXXX.XXX.XXX.XXX.XXX.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": "LS0tLS1CRUdJTT1BRVJSU2J0QUR5S0tLS0tCk1JSURFAkNQWzXz0F3SJ0B20lKQVA1S0R3ZTNCTkxiTUEwR0NTUdTSWlZcRFFQFN3VUFNFjR4SERBYUJnTlYkQkFNTUwBEN
UU0JEYkc5MwPQkZWZJ0wM1gelpYTXdIaGN0TltpBdb01qSTVNRFF5VTRBeVdoY05NekF3TwpJmGpNRF5VTRBeVdqQwVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjMlZ6TU1JQk1qQU5CZ2txcmhza
Uc5dzBCQVFFkRFT0NBUThtBU1JQkNnS0NBUBVB8UxvbitpW9xkdGnU8xS6pEa1psK251YjE4URk4ZGwKTzRUL3FoUGMxMTREY1FUK0p1Rxdh0G13aG1jTGxaQnF2QWFMb1hzbmhqSVFOMG01L0x5YzdBZy291VXNmSGR
0QwpDVGcr5USxsbj8r2dMrTHM3d1dTakxqVE9n3M3M1ZUSU5yYmx3cnRIRU1vMlJWtKv6SKNHw5LSxZmWZ5UtrC1dNM1R0SD15cnFsSGN0Z2pIU1FmRkVTRm1YaHJi0DhS0md0amIva0xtVgPcaTFBeEadvNobWZ2Q
VRmN0N53YkYZ210cNqgDBPtnI0YnhJMVRYUwxEemNi1hMSFzWW91SUprdnVzMUZvaTeySMNM1MrK3labZFPMUzMcZku3bwpKMjhUdGJoz3JG0GtIU0NMSKjTvTFZ3FPZ90Vmw5Q0C9E0wZhamNN01Wd2V4a01S0TN
KR1FJREFRFRUjMU13C1VUQWRcZ95wSFE0RUznUVV1Q3ZanFJQzc1VupxVmZEMdh1ZwdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVdCkKanfJQzc1VupxVmZEMdh1ZwdqeDZiUmN3RHdZRFZSMFRBUgVQkFvd0F3RUIVe
kF0QmdrczhiraUc5dzBCQVfZRp8Q0U9DQVFFQkYrTBU0Uzt3M1N3RjZjMXBqaHv4M01kwmVZSGFVSKRb0tPd0hSrNF50HxZ2dRcGvECFbnMK5Ckx3R08yebK85SWZUMhLaWd12orWnJ5S6gxxcH1x0p0LHJUE28xZUV
PekIYwme2S1YQzTv5cettMmdjV3VHYzMKK1UjVTFzTdd1Ujd3ZFFUjVU0TV4aErVNs9vHRRMR2Mnc31NP5LFDK013eJgtTfJMDjVH5W5BN1JySWHkwozM0wxNnB4Zetttd1PLYThwcNbnMK3qzRnY3d1YUHYMUNME
E42K0J1zbhW65YkHk6UG91c1dY51Boa0gKZ235KNDcUdTK0NnWnQ1efg3b05NS3VNSUNmQvRZndnLWnRqeTQ5VW55iNVZzBH06b1J3dTF1bGdzR0NjEktb1j1LREQKNHB1REFYvTzYkMtZZE4xVxkuN3F3V61TbD1TU05
RPT0KLS0tLS1FTkQ0QV5Vl6SUNBEUtlS0tLQo=",
    "name": "1cbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgut0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=1
eplset"
  ],
  "database": "bludb",
  "hosts": [
    "54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgut0lqde00.databases.appdomain.cloud:30592"
  ],
  "hosts": [
    {
      "hostname": " ",
      "port": 32733
    }
  ],
  "jdbc_url": [
    "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgut0lqde00.databases.appdomain.cloud:32733/bludb:user=<userid>;password=<your_password>;sslConnecti
on=true;"
  ],
}

```

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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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