



Skills Network

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](#)

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",
        "1dd14d0c-1b52-4f63-a606-53ecba28771d.databases.appdomain.cloud:31198"
      ]
    }
  }
}
```

You need to scroll down to get the credentials details.

```
"db2": {
  "authentication": {
    "method": "direct",
    "password": " ",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CRUdJTiB0RVJUSUZZJ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ0lKQV41S0R3ZTNTCTkx1TUEwR0NTcUdTSWlzcFFkN3VUFUNQjR4SERBYUJnTlYkQkFNTUUbEN
UU0JEYKc5MVPpDQkVZWJ0ZWV1GelpYXZlIaGN0TwpBd0lqSTVNRFF5TVRBeVdoY05NekF3TWpJMGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EYeHZkV1FnUkdGMF1XSmhjM1Z6TU1JQk1qQU5CZ2txCmhra
Uc5dzBCQVFFRkFBT0NBUThBTUlJQkNnS0NBUUUVBdXUvbW9xdkdGNU8xSGpEa1psK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0plRXdhZG13aG1jTGxaQnF2QWFMb1hzbmhmSVFOMG01L0x5YzdBY291VXNmSGR
0QwpDVGcrSUxbjBrdDMzTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRU1vM1JWTKV6SkNHVW5LSXZdZWZVSUtrC1dNM1R0SD15cnFsSGN0Z2pIU1FmRkVTRm1YaHJiODhSQmd0amIva0xtVGpCaTFBeEVadWNoZWZ2Q
VRmNEN0Y3EKY21qCHNqd0BTRnI0YnhJMVRyUWxEmNiN1hMSFBzWW91SUprdnVzMUZvaTEySmRNM1MxK31abFZPMUzMzKz3bwpKMjhUdGJoZ3JG0GtIU0NMMSk1vTTF5Z3FPZG90Vn5QOC9EOWZhamNnN01Wd2V4a01S0TN
KR1F3REFRQUJvMU13C1VUQWRCZ05WSE0RUZnUVV1Q3JZanFJQzc1VUpXVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BbVd0c1kKanfJQzc1VUpXVmZEMDh1ZWdqeDZiUmN3RHdZRFZSMFRBUUgVqkFvD0F3RUIVE
kFOQmdrcWhraUc5dzBCQVZzRgpBQU90QVFFQURyRTBU0U0t3M1N3RjJ2MXBqaHV4M0lkWV2SGFVSkrMB0tPd0hSRnF0HgxZ2dRcGEcFBNk55Ckx3R08yeko85SWZUMmhLaWd1d2oWnJ5SGxcH1x0pLOHJEU28xZUV
PekIyWmE2S1YrQTVscEttMwdjV3VHYzMKK1UzVTFzTDd1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013eJgrTFJMdjVHSW5BN1JySWNhKwozM0wNnB4ZEtt1pLYThWcnBnMXJ3QzRnY3d1YUhyMUNEW
E42K0J1bzhvWGSYWhk6UG91clYs1BoaGdXZ235CKNDcUdIK0NWnNq1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5W5i1VZVZbHQ0b1J3dTf1b6dzRDNjek1tbj1LREQKNHB1REFvYTZyMktZZE4xVkuN3F3VG1TbD1TU05
RPT0KLS0tLS1FTkQgQ0VSVE1GSUNBEU0tLS0tLQo=",
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=r
eplset"
  ],
  "database": "bludb",
  "host_info": [
    "54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30592"
  ],
  "hosts": [
    {
      "hostname": " ",
      "port": 32733
    }
  ],
  "jdbc_url": [
    "jdbc:db2://54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:user=<userid>;password=<your_password>;sslConnecti
on=true;"
  ],
  "path": "/bludb"
}
```

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Changelog

Date	Version	Changed by	Change Description
2021-07-09	2.1	Malika	Updated screenshots

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