

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.)

<input type="text" value="Filter by name or IP address..."/>		<input type="text" value="Filter by group or org..."/>	<input type="text" value="Filter..."/>
^ Cloud Foundry apps (3)			
	iot-solution-tutorial	[redacted]@gmail.com / se...	London
	your-name-computer-vision-app	[redacted]@gmail.com / lav...	London
^ Cloud Foundry services (1)			
	Car Diagnostic API-6b	[redacted]@gmail.com / dev	London
^ Services and software (8)			
	Cloudant-ex	Default	London
	Db2-f7	Default	London
	Language Translator-iu	Default	London

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 cre](#)



Key name

Date created



Service credentials-1

2021-07-09 4:42 PM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "mwh70849",
        "-p",
        "XXXXXXXXXXXX",
        "--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": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ01KQVA1S0R3ZTNCTkxiTUEwR0NTcUdTSWZzRFFkN3VUFNQjR4SERBYUJnTlYKQkFNTU
UU0JEYkc5MVpDQkVZWfJowW1GeIpYTXdIaGN0TWpBd01qSTVNRRFF5TVRBeVdoY05NekF3TWpJGpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1EyeHZkV1FnUkdGMF1XSmhjM1Z6TU1JQk1qQU5CZ2t>
Uc5dzBCQVFFRkFBT0NBUThtBU1JQkNnS0NBuUVBdXUvbitpWW9xdkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1hzbmhqSVFOMG01L0x5YzdBY291V>
0QwpDVGcrSUxsbjBrdDMrTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRUlzM1JWTKV6SkNHYW5LSXZdZWZVSUtrC1dNM1R0SD15cnFsSGN0Z2pIUlFmRkVTRm1YaHJiODhSQmd0amIva0xtVGpCaTFBeEVadWNe
VRmNEN0Y3EKY21QcHNqdDBPTnI0YnhJMVRyUWxEemNiN1hMSFBrW91SUprdnVzMUZvaTEySmRNM1MxK3labFZPMUZmZkU3bwpKMjhUdGJoZ3JGOGtIU0NMSkVvTTF5Z3FPZG90Vm5QOC9EOWZhamNNN01Wd2V4a6
KR1FJREFRQUJvMU13ClVUQWRCZ05WSFE0RUZnUUVV1Q3JZanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVdclKkanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3RHdZRFZSMFRBUUgVQkFVd0F3
kFOQmdrcWhraUc5dzBCQVFFRzRgpBQU9DQVFFQUkyRTBU0Ut3M1N3RjJ2MXBqaHV4M01kWWV2SGFVSkrMb0tPd0hSRnFSOHgxZ2dRcGVFcFBnMk5SCkx3R08yek85SWZUMmhLaWd1d2orWnJ5SGxxcH1xQ0pLOHJEU2
PekIyWmE2S1YrQTVscEttMwdjV3VHYzMkk1UzVTFzTdd1Ujd3ZFVuFjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPS1FDK013ejgrTFJMdjVHSW5BN1JySWNhKwozM0wxNnB4ZEtttd1pLYThWcnBnMXJ3QzRnY3d1YUhy
E42K0JIBzhvWGSyWkh6UG91clYS1BoaGdXZ2J5CkNDcUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZZbHQ0b1J3dTF1bGdzRDNjek1tbj1LREQKNHB1REFvYTZyMktZZE4xVkkxuN3F3VG1TbG
RPT0KLS0tLS1FTkQ0Q0VSVE1GSUNBEUtLS0tLQo=",
    "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
  },
  "composed": [
    "db2://qdg93144: @54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replica
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:user=<userid>;password=<your_password>;sslCor
on=true;"
  ],
  "auth": " /bludb"
```

Author(s)

Rav Ahuja

Other Contributor(s)

Simran Garg

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

Date	Version	Changed by	Change Description
------	---------	------------	--------------------

© IBM Corporation 2023. All rights reserved.