

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](#)

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

You need to scroll down to get the credentials details.

```
"db2": {
  "authentication": {
    "method": "direct",
    "password": "qdg93144",
    "username": "qdg93144"
  },
  "certificate": {
    "certificate_base64": "LS0tLS1CR0dJTiB0dGVzU2J0bFURSBtLS0tck13SURFakN0QWZxZ0F3SUJ3B201KQVA1S0R3ZTNCTNCx1TUEwR0NTcudTSWzRFFFFkN3VUFNQjR4SER8YUJnTlYkQkFNTUUbEN
UUB3EYKc5MVPQKvZNFJ0wM1GelpYTXGlaG0TNPBd0lqSTVNRFFSTVRBeVdoY0SNeKf3TnpJgPnRRFFSTVRBeVdqQWVNUnd3R2oZRFZRUUREQk5KUWswZ1EyaHZK1FnUkdGMF1XSmhjM1Z6TUI3QklQUSC22txCmhza
Uc5d0BCvFRkF8TBNBUTH7ULJQWnS0NBUBvXb1tpmW9xkdNUbX5SgPa1pK2S1YjE4UR4ZGwKTzRUL3F0UGxNTRE1YURkQp1RXdh0613a61jT6xaQnFZQWPMb1zthbqSVFMG01L8x3zdbY291VXNwS0R
00p0Vdc3S1xsb3BcdMctHMDd1TakxqfE9KXK3RMZUSU5Ym3cR1RUL1M1JWtKvKSNVW6SL5KZM2V5UzrC1UWMLR0S01ScrfS0M022jU1FmKvTmYak1j00nSgnd0an1vadtV6pCaTFBdVadWnWd2Q
VRhNEN0Y3E1Y2jQcHqM0BPTnI0YnhjMVWYUkxEnN1N1HMFByWm91SUppzdVzMUZvaTEYScmRNM1MzK31abFZPMUzNkZU3bwpKfjhdG6j0z33G00G1U0NM5KjVTF5Z3FPZG90Vn5QOC9E0KZhamNN01Wd2V4a01S0TN
KR1F3REFRQUJvUW13C1VUQWRcZ0BwSFE8RUZnUvV1Q3Z2anFjQzc1VUpxVnZEMh1Zwq0e0Z1UmN3SHQZRFZSMGpCQmd3Rm9BVWdClkkanFjQzc1VUpxVnZEMh1Zwq0e0Z1UmN3R4GZRFZSMFRBUUgVQKfV0Bf3RUIve
KfQ0ndzcmhaU5eBcQVpZp0g0U9QVVFQ0kyRTB0Uc3M1N3Rj12M0QaHVM0L1kMwVZ5GfVSRM0d0P0d0SRnF50hpZ220R0VcF8FmPm5S5Kx3R0Byek85W2UmhLAWd1cz0cm3S50xxcN1v06pL0H3EU2Bz2UV
PakTyWmE2S1YzQTVacEttM0d3V3VHYzMKK1UzVTFzTd1Uj43ZFFuYjU0TVU44ERvN19sVHRMVBZMnc3V1NP51FDK013eJgTfJMcjVH5W5BN1JySWNkwozMQwNnB4Zett0pLYThncr8mX3Qz0nY3d1YUHYMUNEW
E42K0J1bzHvG5YmKh6UG91c1dY51B0aGdX2235CkNdcUdIK0NHNQ1eFg3b05NS3VNSUqRVZndnLUnRqetQ5VW51NVZ2BHQ0b1J3dTF1b0dzRDNjek1tbj1LREQKHB1REFvYTZYmktZ2E4KvXxU3F3VGI1TbD1TU05
RPT0KLS0tLS1FTkQ0bGV5VE10SUNBEUtlS0tLQo="
  },
  "name": "1cbb01b0-3a1a-4d49-9262-3102a87a7c8"
},
"composed": {
  "db2://qdg93144:54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb?authSource=admin&replicaSet=r
eplset"
  "database": "bludb",
  "hosts": {
    "54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30592"
  },
  "hosts": {
    "hostname": "54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30592",
    "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";
}
```

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

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