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.

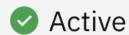
1. Locate and click on your Db2 service listed under Services.

(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			
^ Cloud Foundry apps (3)				
.js iot-solution-tutorial	@gmail.			
py your-name-computer-vision-app	@gmail.			
^ Cloud Foundry services (1)				
Car Diagnostic API-6b	@gmail.			
^ Services and software (8)				
	Default			
	Default			
Language Translator-iu	Default			

2. Click on Service Credentials in the left menu

Resource list /





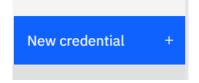
Manage

Getting started

Service credentials

Connections

3. Click on the button to create New credential

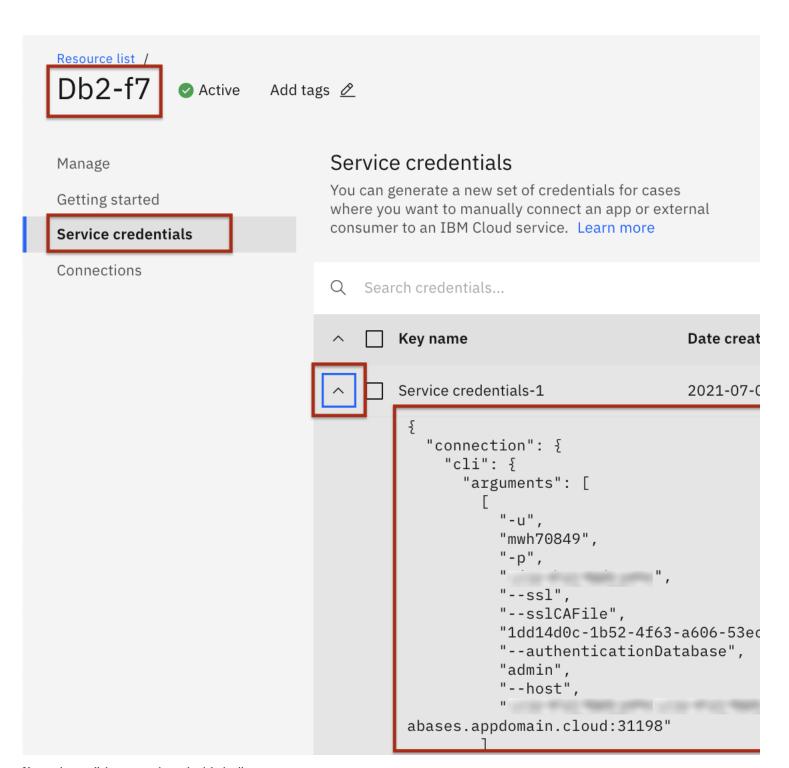


In the prompt that comes up click the "Add" button in the bottom right:

Create credential Name: Service credentials-3 Role: ① Manager Advanced options ✓



- 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



You need to scroll down to get the credentials details.

```
"db2": {
      "authentication": {
        "method": "direct
        'password":
        username": "qdg93144"
      certificate": {
        certificate_base64": "LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURFakNDQWZxZ0F3SUJBZ01KQVA1S0R3ZTNCTkxiTUEwR0NT"
UU0JEYkc5MVpDQkVZWFJoWW1GelpYTXdIaGNOTWpBd01qSTVNRFF5TVRBeVdoY05NekF3TWpJMgpNRFF5TVRBeVdqQWVNUnd3R2dZRFZRUUREQk5KUWswZ1
Uc5dzBCQVFFRkFBT0NBUThBTU1JQkNnS0NBUUVBdXUvbitpWW9xdkdGNU8xSGpEalpsK25iYjE4UkR4ZGwKTzRUL3FoUGMxMTREY1FUK0p1RXdhdG13aGlj
OQwpDVGcrSUsxbjBrdDMrTHM3d1dTakxqVE96N3M3M1ZUSU5yYmx3cnRIRulvM1JWTkV6SkNHYW5LSXdZMWZVSUtrCldNM1R0SD15cnFsSGN0Z2pIU1FmRk
VRmNENOY3EKY21QcHNqdDBPTnIOYnhJMVRyUWxEemNiN1hMSFBrWW91SUprdnVzMUZvaTEySmRNM1MrK31abFZPMUZmZkU3bwpKMjhUdGJoZ3JGOGtIU0NM
KR1FJREFRQUJvMU13C1VUQWRCZ05WSFE0RUZnUVV1Q3JZanFJQzc1VUpxVmZEMDh1ZWdqeDZiUmN3SHdZRFZSMGpCQmd3Rm9BVWVDc1kKanFJQzc1VUpxVm
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E42K0JIbzhvWG5YWkh6UG91cldYS1BoaGdXZ2J5CkNDcUdIK0NWNnQ1eFg3b05NS3VNSUNqRVZndnNLWnRqeTQ5VW5iNVZZbHQ0b1J3dTF1bGdzRDNjek1t
RPTOKLS0tLS1FTkQgQ0VSVE1GSUNBVEUtLS0tLQo="
        "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
      "composed": [
        d54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain."
eplset"
      "database": "bludb",
        "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": "/bludh"
```

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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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