

Create credentials to access your database instance

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.

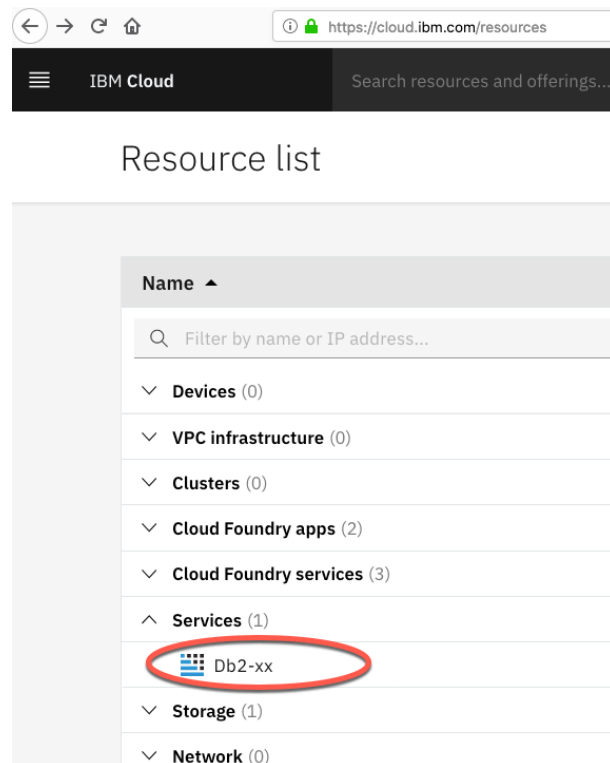
0. Go to your IBM Cloud Resources dashboard (or click on IBM Cloud in the top left corner):
<https://cloud.ibm.com/resources>

Note: you may need to log into IBM Cloud in the process of loading the resources/dashboard.

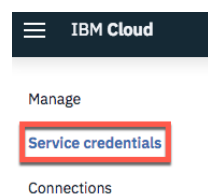
If your connection is slow it may take over 30 seconds for the dashboard to fully load.

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

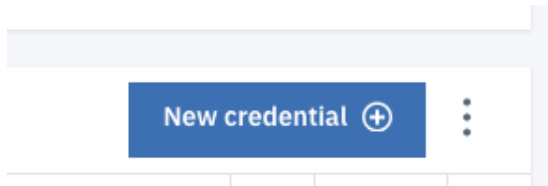
(NOTE: In the example below the service is called “Db2-xx” but your Db2 service may have a different letters/numbers in the suffix e.g. “Db2-f8”, “Db-50”, etc.)



2. Click on **Service Credentials** in the left menu



3. Click on the button to create **New credentials**.



In the prompt that comes up click the “**Add**” button in the bottom right:

A screenshot of a dialog box titled 'Add new credential' with a close button (X) in the top right corner. Below the title is a 'Name:' label followed by a text input field containing 'Service credentials-2'. Below this is a section labeled 'Add Inline Configuration Parameters (Optional):' with a blue information icon. Underneath is a large, empty text area. Below the text area is a small text label: 'Provide service-specific configuration parameters in a valid JSON object'. Below this is a blue button labeled 'Choose File...'. At the bottom of the dialog are two buttons: 'Cancel' and 'Add'. The 'Add' button is highlighted with a red rectangular box, and a mouse cursor is pointing at it.

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 may need to scroll down to see the password)
- **URI** (you will need this for Jupyter notebooks when using SQL Magic)

The screenshot shows the IBM Cloud console interface for a Db2-50 service. The left sidebar has 'Service credentials' highlighted with a red circle and the number 2. The main content area shows the 'Service credentials' section for 'Db2-50' (circled with a red circle and the number 1). Below this, there is a 'New credential' button (circled with a red circle and the number 3) and a table with one row 'Credentials-1' (dated May 1, 2018 - 11:50:32). The 'View credentials' link in the table is circled with a red circle and the number 4. Below the table, a JSON snippet is displayed, with the 'port' value '50000' circled with a red circle and the number 5.

```
{
  "port": 50000,
  "db": "BLUDB",
  "username": "qcm54853",
  "sslConnection": true,
  "host": "dashdb-txn-sbox-yp-dal09-04.service"
}
```

Good luck!