



LAB: Provision an instance of IBM Db2 Lite plan

Lab Overview:

Now that you are familiar with various types of databases, you will provision an instance of a relational database on IBM Cloud. You will use this instance later in this course, and also in the other courses of this program. So, let's get started and provision an instance of IBM Db2 using your Lite account.

NOTE: IBM Cloud also provides variants of Db2, such as Db2 Hosted and Db2 Warehouse on Cloud. However, we will utilize the Db2 service for the lab in this course since it comes with a Lite plan, which is free to use.

Estimated time needed: 10 minutes

Please follow the steps given below to provision your instance of IBM Db2 on Cloud.

1. Go to: [Log in to IBM Cloud](#) and log in using your credentials.
2. Click on the **Catalog** menu item and select **Services**. Scroll down and check the **Databases** box.

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Msingla Singla...

IBM Cloud catalog

Search the catalog...

Category Viewing 386 products

- Recommended products
- Compute
- Containers
- Networking
- Storage
- AI / Machine Learning
- Analytics
- Blockchain
- Databases**
- Developer Tools
- Logging and Monitoring
- Migration Tools

https://cloud.ibm.com

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API for identity (KYC, AML & fraud)

Free

Analytics Engine
IBM • Services • Analytics

Flexible framework to deploy Hadoop and Spark analytics applications.

Annotator for Clinical Data
IBM • Services • AI / Machine Learning

Analyze text to extract medical codes and concepts such as diseases, lab values, medications,

API Connect
IBM • Services • Integration

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing

Scroll down and click on the tile for **Db2** service.

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IBM Cloud catalog

Search the catalog...

Works with

Provider ⓘ

Pricing plan ⓘ

Compliance ⓘ

Type

Release

Cloudant
IBM • Services • Databases

A scalable JSON document database for web, mobile, IoT, and serverless applications.

Lite • Free • IAM-enabled

Databases for PostgreSQL
IBM • Services • Databases

PostgreSQL is a powerful, open source object-relational database that is highly customizable.

Satellite Enabled • IAM-enabled • Service Endpoint Supported

Databases for EDB
IBM • Services • Databases

EDB is a PostgreSQL-based database engine optimized for performance, developer productivity, and compatibility...

IAM-enabled • Service Endpoint Supported

Databases for DataStax
IBM • Services • Databases

DataStax is a scale-out NoSQL database built on Apache Cassandra, designed for high-availability and workload flexibility.

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Databases for MongoDB
IBM • Services • Databases

MongoDB is a JSON document store with a rich query and aggregation framework.

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Es
Databases for Elasticsearch
IBM • Services • Databases

Elasticsearch combines the power of a full text search engine with the indexing strengths of a JSON document database.

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Rd
Databases for Redis
IBM • Services • Databases

Redis is a blazingly fast, in-memory data structure store.

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Ra
Messages for RabbitMQ
IBM • Services • Databases

RabbitMQ is an open source multi-protocol messaging broker.

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Et
Databases for etcd
IBM • Services • Databases

etcd is a distributed reliable key-value store for the most critical data of a distributed system

Satellite Enabled • IAM-enabled • Service Endpoint Supported

Compose Enterprise
IBM • Services • Databases

IBM Compose Enterprise is a service which provides a private isolated cluster for IBM Cloud users to optionally provision their...

Compose for MySQL
IBM • Services • Databases

MySQL is a fast, easy-to-use, and flexible RDBMS.

Beta

Compose for RethinkDB
IBM • Services • Databases

RethinkDB is a JSON document based, distributed database with an integrated administration and exploration console.

Compose for ScyllaDB
IBM • Services • Databases

ScyllaDB is a highly performant, in-place replacement for the Cassandra wide-column distributed database.

Beta

Data Virtualization
IBM • Services • Databases

View, access, manipulate, and analyze your data without moving it.







IAM-enabled

Db2
IBM • Services • Databases

A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine.

Lite • Free • IAM-enabled


IMPORTANT: Make sure you choose **Db2** and NOT *Db2 Hosted* or *Db2 Warehouse*.

 Db2 IBM • Databases  A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine. Lite • Free • IAM-enabled	 Db2 Hosted IBM • Databases  Db2 Hosted: Offers customers the rich features of an on-premise Db2 deployment without the cost, complexity, and risk of managing their...	 Db2 Warehouse IBM • Databases  A fully managed, elastic, cloud data warehouse built for high-performance analytics and machine learning.
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3. The **Create** tab will be active by default.

Note: Depending on the Country of your IBM Cloud Lite account, a region/location to deploy will be pre-selected. For example, if you are in the US, the default data center location will be Dallas. Users from the UK will see London, and so on. Please select either London or Dallas as your region to create DB2 lite plan. Lite plan is unavailable in other regions.

Catalog / Services /

 **Db2**
IBM • Date of last update: 12/03/2020 • [Docs](#) • [API docs](#)

Create About

Select a region

Select a region

Dallas

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: [United States](#)

Plan	Features	Pricing
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4. Scroll down to **Select a pricing plan** and select the **Lite** plan. It is a free plan and does not require your credit card information.

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: [United States](#)

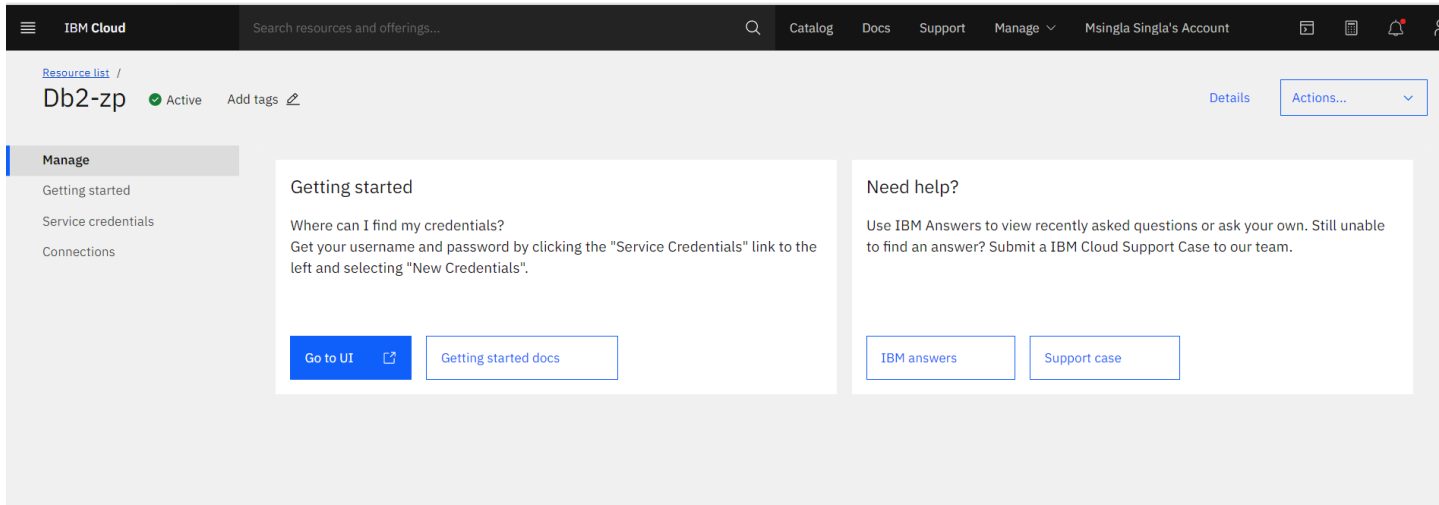
Plan	Features	Pricing
Lite	200 MB of data storage 15 simultaneous connections Shared multitenant system	Free
<p>The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of limitations as shown. You can continue using the free plan for as long as needed, however, users are asked to re-extend their free account every 90 days by email. If you do not re-extend, your free account is cleaned out a further 90 days later. This helps provide free resources for everyone.</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>		
Standard	Instance with flexible scaling of compute and storage Base instance starts at 8 GB RAM x 20 GB Storage	\$0.136 USD/Instance-Hour \$0.00027 USD/Gigabyte-Hours \$0.097 USD/Virtual Processor Core-Hour \$0.00003 USD/BACKUP_GIGABYTE_HOURS \$0.0959 USD/SERVICEENDPOINT_INSTANCE_HOURS
Enterprise	Dedicated instance with flexible scaling of compute and storage Base instance starts at 4 vCPU x 16 GB RAM x 20 GB Storage Uses dedicated virtual machines	\$0.63 USD/Instance-Hour \$0.00027 USD/Gigabyte-Hours \$0.193 USD/Virtual Processor Core-Hour \$0.00003 USD/BACKUP_GIGABYTE_HOURS \$0.0959 USD/SERVICEENDPOINT_INSTANCE_HOURS

5. Then click on the **Create** button on the bottom right of the page.

Create

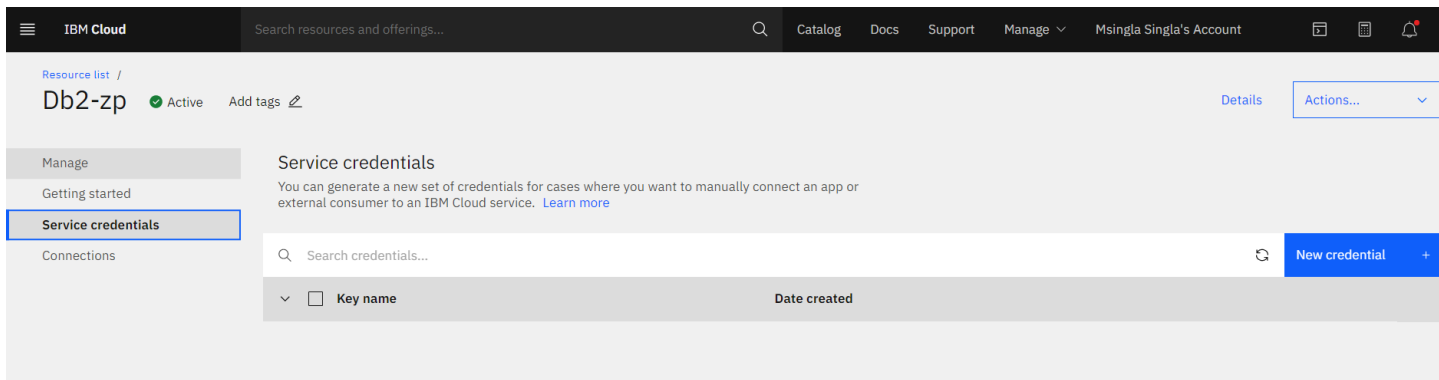
It will take a couple of seconds, and then you should be able to see the service page for your Db2 instance.

By default, the **Getting started** tab will be active.



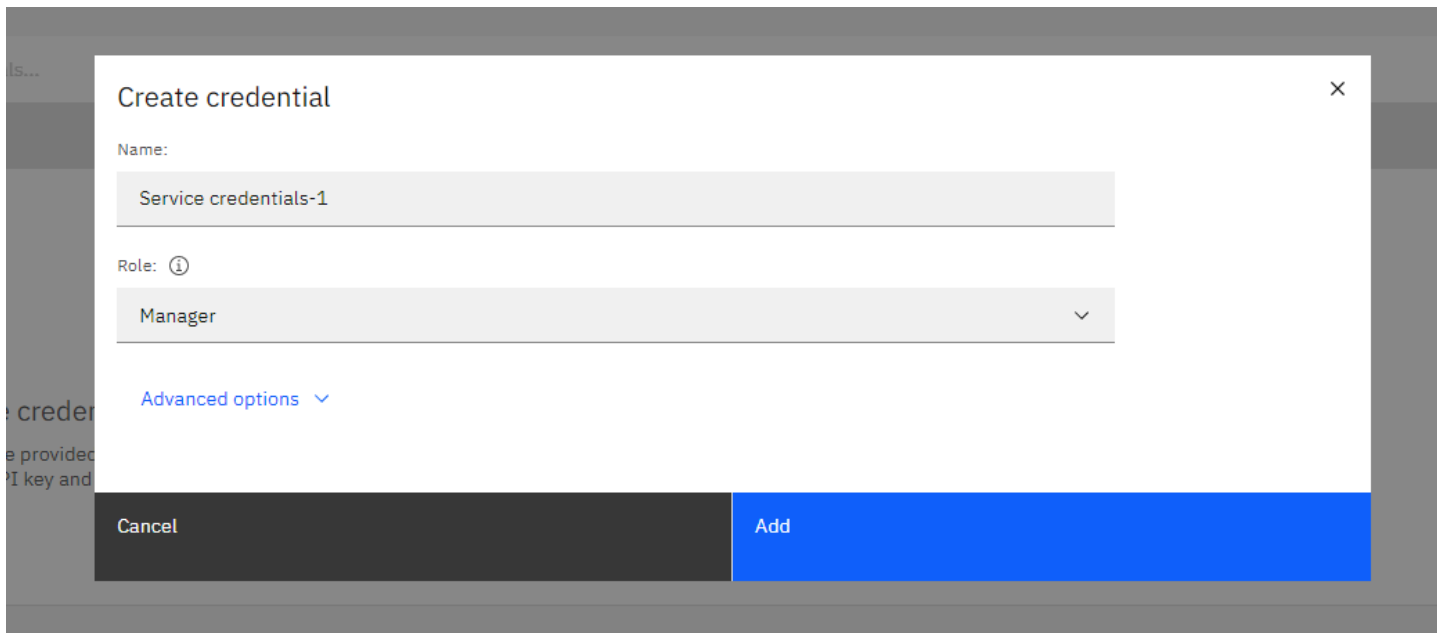
NOTE: The name of the Db2 service created in this exercise is **Db2-5q**. When you create your Db2 instance, the default name will be in the format Db2-xx, where xx can be any combination of letters or numbers.

6. Click on **Service credentials** and then on **New credential**.



7. The **Create credential** dialog box will open with default values in the **Name** and **Role** fields. We suggest you keep the default names for purposes of this lab.

Click **Add** to create your credentials.



The image shows a 'Create credential' dialog box with a close button (X) in the top right corner. It contains a 'Name:' label followed by a text input field containing 'Service credentials-1'. Below this is a 'Role:' label with an information icon (i) and a dropdown menu showing 'Manager'. There is a link for 'Advanced options' with a downward arrow. At the bottom are two buttons: 'Cancel' and 'Add'.

Create credential

Name:

Service credentials-1

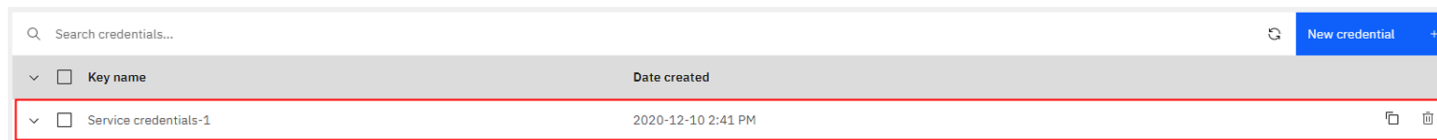
Role: ⓘ

Manager

Advanced options ▾

Cancel Add

You will see a listing of your Db2 service credentials created with the key name **Service credentials-1**.



The image shows a table listing Db2 service credentials. It has a search bar at the top, a 'New credential' button, and a table with columns 'Key name' and 'Date created'. One row is highlighted with a red border, showing 'Service credentials-1' and '2020-12-10 2:41 PM'.

Key name	Date created
Service credentials-1	2020-12-10 2:41 PM

Congratulations! You have successfully created an instance of Db2 using your IBM Cloud Lite account.