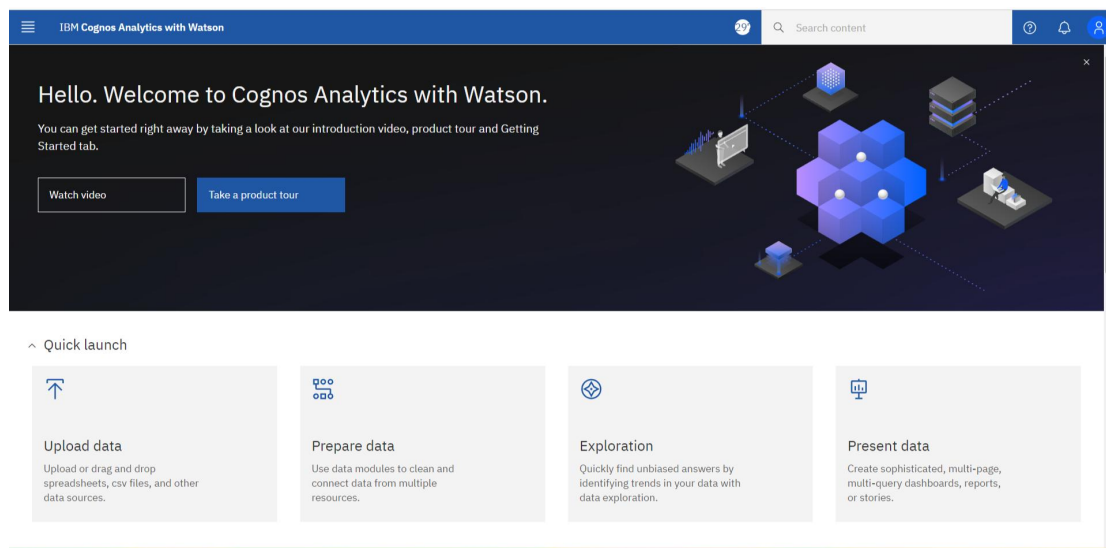


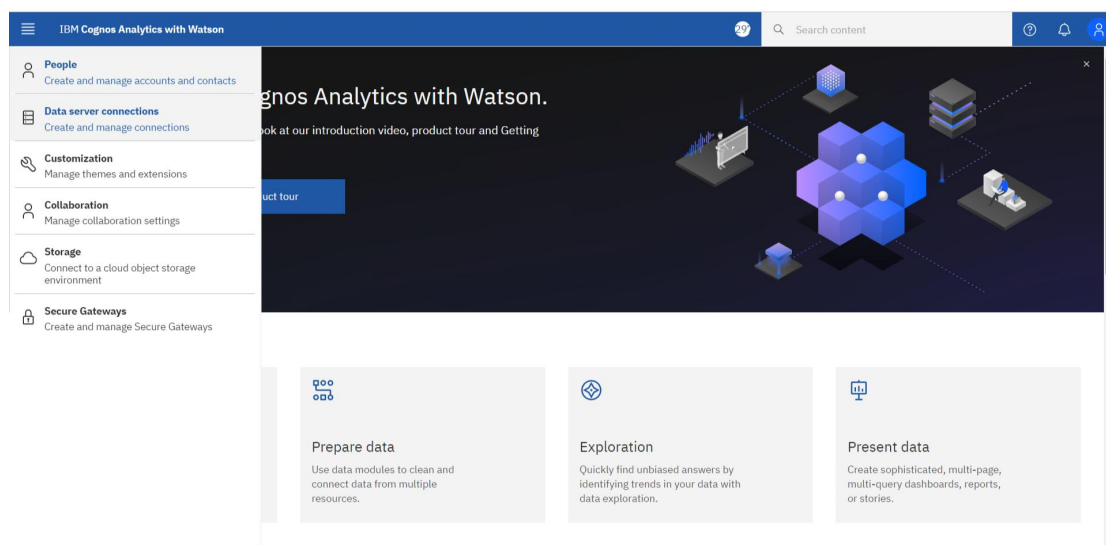
IBM DB2 SERVER CREATION AND DB2 CONNECTIVITY WITH COGNOS

Team ID	PNT2022TMID39710
Project Name	Global Sales Data Analytics.

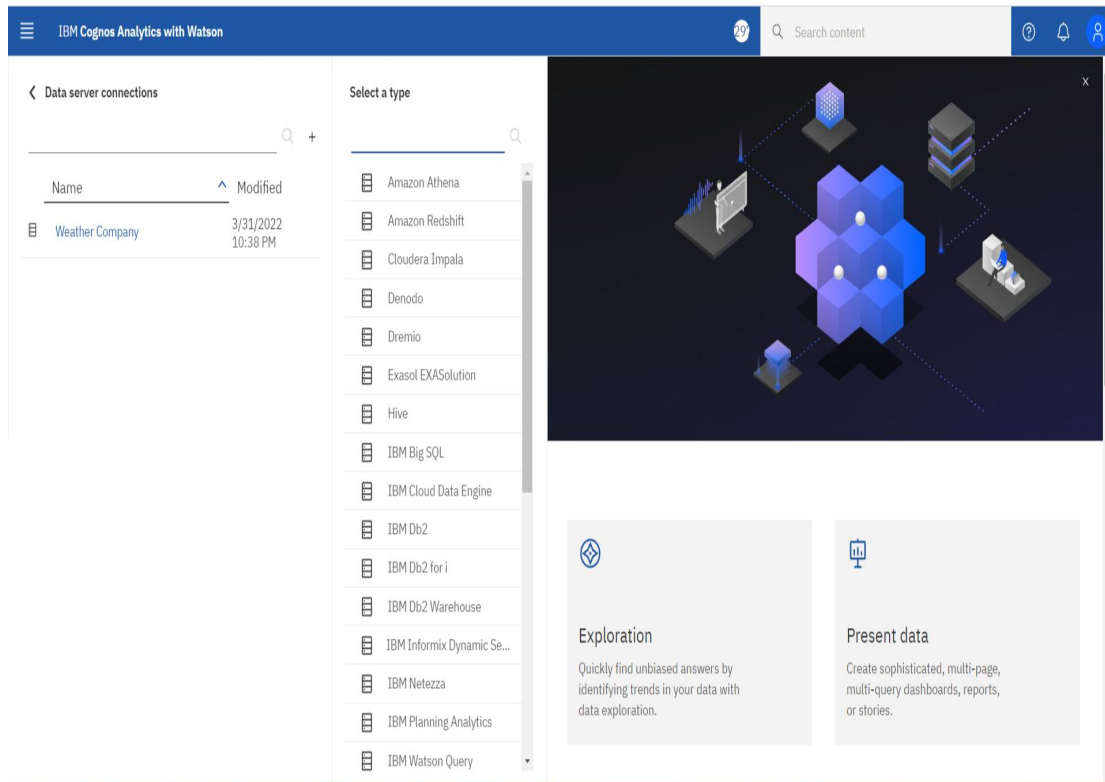
Open IBM Cognos:



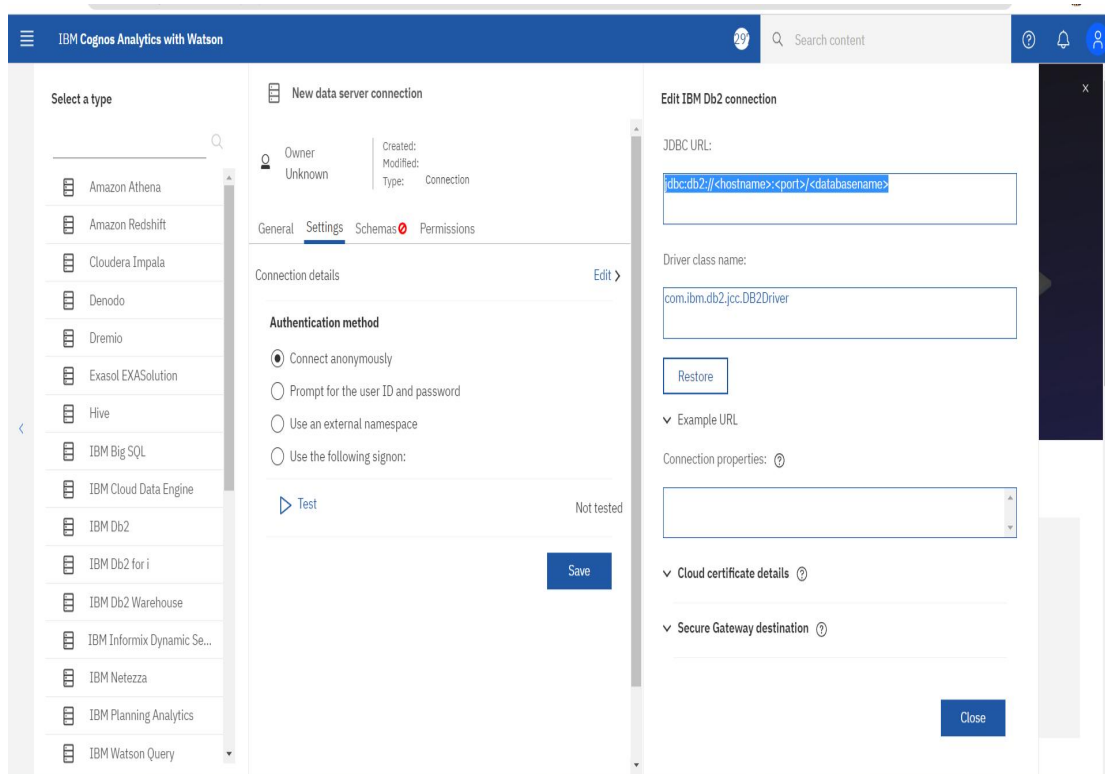
Go to The Data Server Connections:



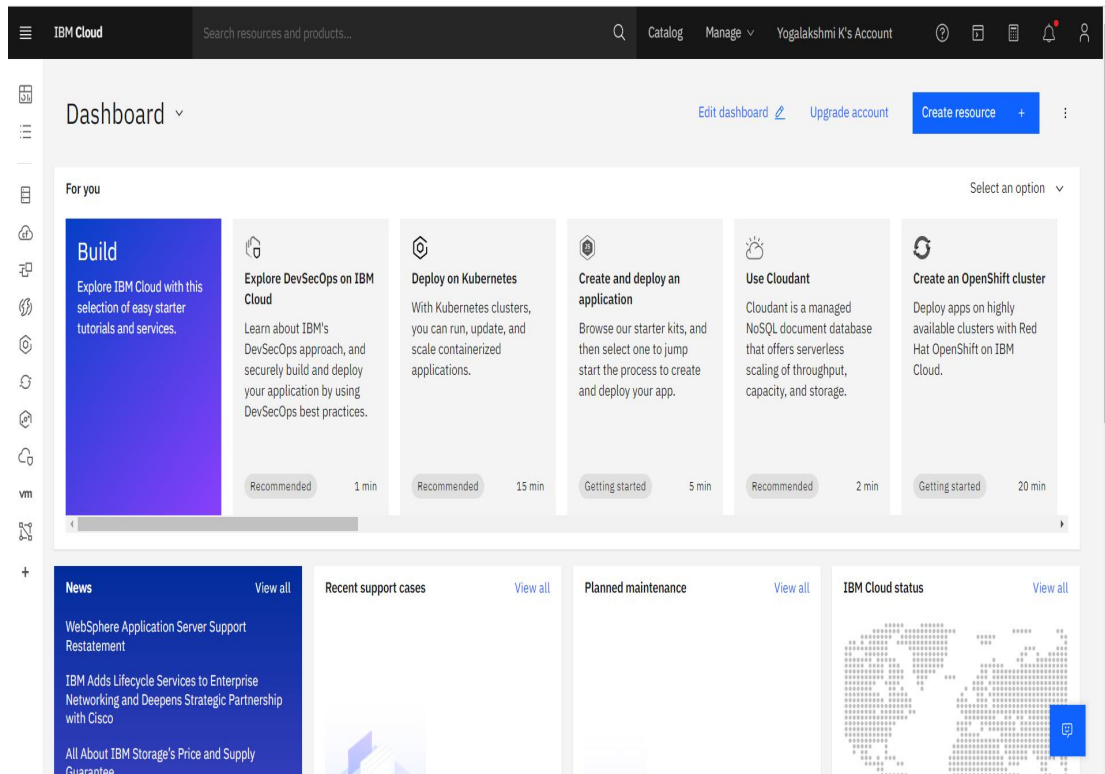
And Create The Server Connections:



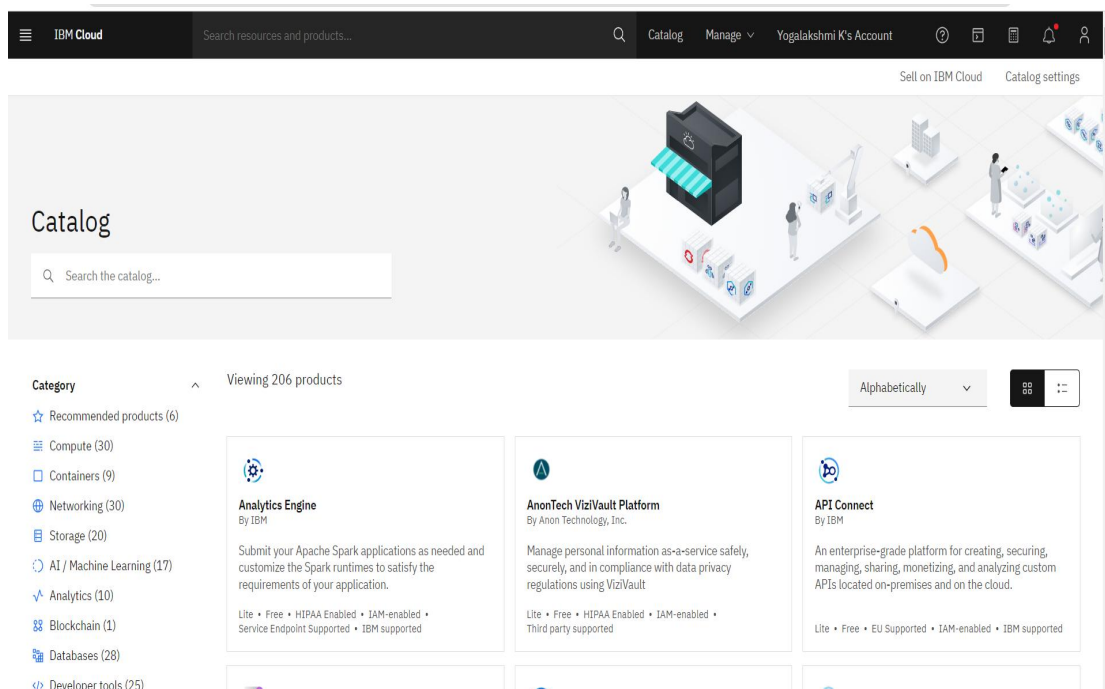
And Enter the JDBC URL:

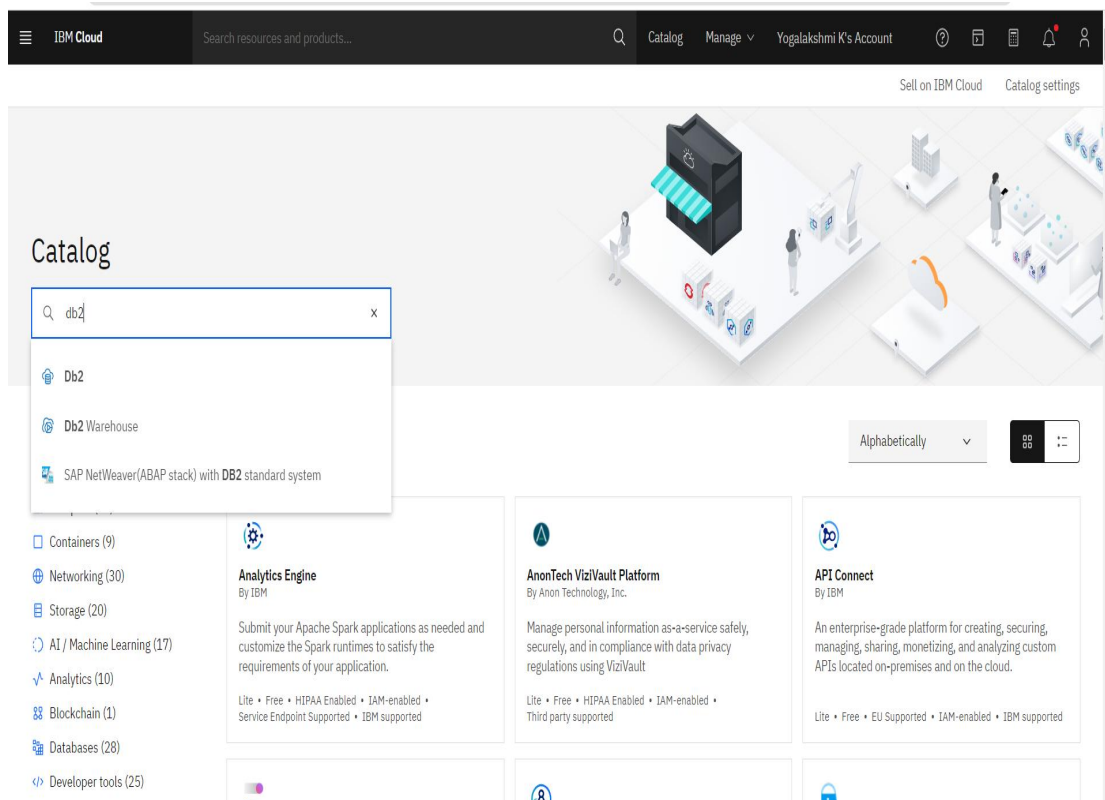


And Login To The IBM Cloud Login:

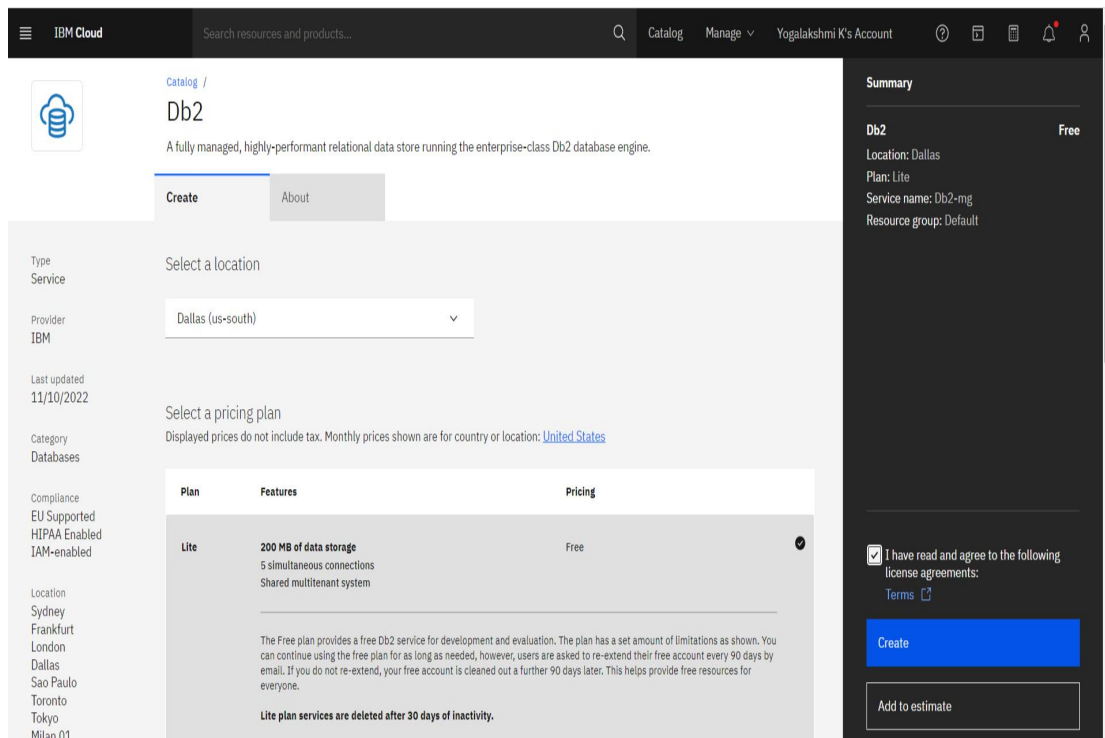


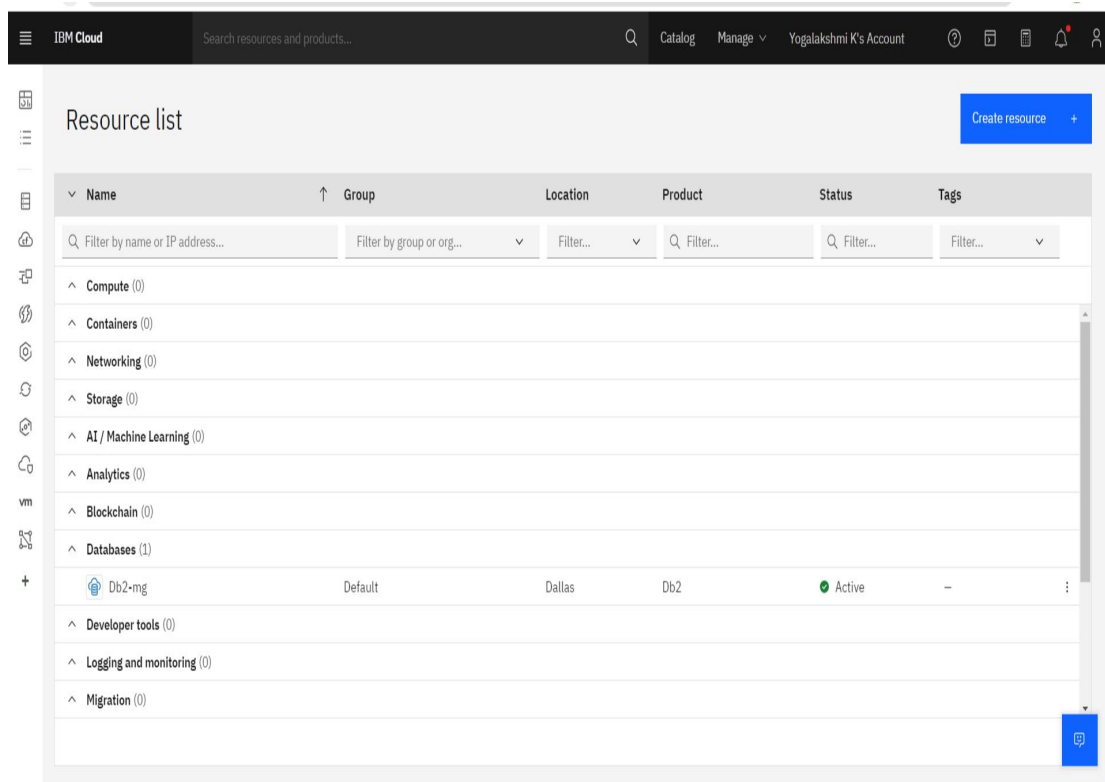
And then Go To Catalog And Create the IBM DB2 Connection:



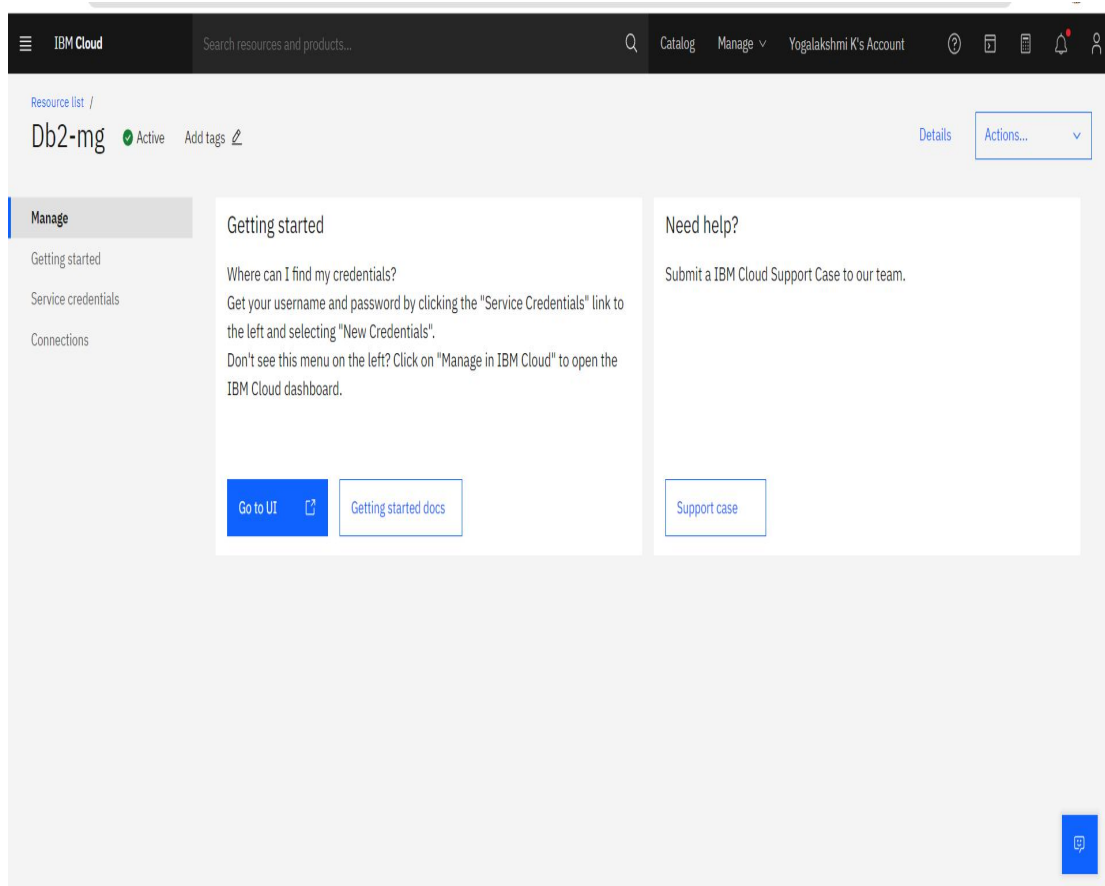


Create The IBM DB2 Connection:





Then Go To The UI:



IBM Cloud

Search resources and products...

Q

Catalog

Manage

Yogalakshmi K's Account

?

Resource list /

Db2-mg

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

No service credentials

Credentials are provided in JSON format. The JSON snippet lists credentials, such as the API key and secret, as well as connection information for the service.

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Yogalakshmi K's Account

?

Resource list /

Db2-mg

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Search credentials...

New credential +

Key name

Date created

No service credentials

Credentials are provided in JSON format. The JSON snippet lists credentials, such as the API key and secret, as well as connection information for the service.

Create credential

Name:

GlobalProject

Role:

Manager

Advanced options

Cancel

Add

IBM Cloud

Search resources and products...

Catalog

Manage

Yogalakshmi K's Account

?

Resource list /

Db2-mg

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

Global Project

2022-11-13 10:22 AM

IBM Cloud

Search resources and products...

Catalog

Manage

Yogalakshmi K's Account

?

Key name

Date created

Global Project

2022-11-13 10:22 AM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "xsl18787",
        "-p",
        "yXZj3M8fIE03djMz",
        "--ssl",
        "--sslCAfile",
        "1cbbb1b6-3a1a-4d49-9262-3182a8f7a7c8",
        "--authenticationDatabase",
        "admin",
        "--host",
        "9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu01qde00.databases.appdomain.cloud:32459"
      ]
    },
    "bin": "db2",
    "certificate": {
      "certificate_base64": "LS0tLS1CRUdJTiBDRYU3USUzJ0FURS0tLS0tCk1JSURFakNDQWZxZ0F3SUJ0Z0t1Q0Vh1S0R3ZTNCTGxiTUeWR0NTcldUdTSW
IzRFFQKN3VUFNQjR4SERBUjNlTlYkQkFNTUUbENU08JEYkc5MVp0QkVZWmF3oWMI6elpYTXdIaGN0TWpBd01q5TVNRFF5TVRBeVdoY05Nekf3TWpJgpnRFF5TVR
BeVdqQWNVUmd3R2dZRFZRUUREQk5KUmswZ1EYeHkZKzV1FnUkdGf1XSnhjY1J6TUIJQk1qQU5CZ2txCmhzalUc5dzBCQVFRkF8T0NBUThtBTU1JQkNnS0NBUIVBdXUv
b1tpMw9xdkdGNUM8xSGpEa1psK25iyjE4UkR4ZGwKTzRU13F0UGMxMTREY1FUK0p1RXdhG13aG1jTGxaQnF2QWFMb1hzbmhqSVF0MG81L0x5YzdBRY291VXNmSGR0Q
wpDWGcrSUlsxbjB8dDMzTHM3d1dTakxqVE9KN3M3M1ZUSU5yYmx3cnRIRU1vM1JWTKV6SkNH5W5LSXdZMkZVSUtrCldNM1R0S015cnFsSGN0Z2p1U1FmRkVTRmlYah
Ji00hSQmd0amIva0xtVGpCaTFBeEVadNobWZ2QVRmNEN0Y3EKY21QcHNqdD0PTnI0YnhJMVRyUWxEemNiM1hMSF8zW91SUprdnVzMUZvaTEySmRNM1MzK31abFZ
PMUzmZkU3bwpKMjhUdGJ0z3JG0GtIU0NMNSKJvTTF5Z3FPZG90Vn50QC9E0WZhanNMN01Wd2V4a01S0TNKR1FJREFRQUJvMU13C1VUQWRCZ85WSFE0RUZnUvV1Q3JZ
anfJQzc1VUpxVnZEMDh1ZWdqe0ZiUmN3SHdZRFZSMGpCQmd3Rm9BWWV0c1kKanfJQzc1VUpxVnZEMDh1ZWdqe0ZiUmN3RhdZRFZSMFRBUJgVQKfVd0F3RU1veKF0Q
mdczMhzaUc5dzBCQVfzRgpBQU9DQVFFOUkyRTBUOUt3M1N3RjJ2MXBqaH4M01kMwV2SGFVSkrMb0tPd0hSRnFSOHgXZ2dRcGVFcF8nMk55Ckx3R08yek85SWUmm
hLaWd1d2o2wnJ3SGxxcH1xQ0pLOHJEU28xZUVPeKjYmMe2S1YrQtVscEttMjdjV3VHYzMKK1UzVTFzTd01Ujd3ZFFuVjU0TVU4aERwNi9sVHRMRVB2Mnc3V1NPS1F
DK013ejgrTFJmJdYHNS0N1JySWNkKwozB0mXnB4ZEttld1pLYTHncnbnMXJ3QzRnY3d1YUhyMUNEWE42K0J1bzhvW65YkKh6U091c1dYS1BoaGdXZ2J3Ckd0c1dI
K0NMNnQ1eFg3b05NS3VNSUNgRVZndnNlNnRgeTQ5VW51NVZzBHQ0b1J3dTF1b6dzRDNjek1tbj1LREQKNHB1REFvYTYzYktZZE4xVxku3F3VG1T6D1U065RPT0KL
S0tLS1FTkQ09VSVE1GSUNBEUtlS0tLQo=",
      "name": "1cbbb1b6-3a1a-4d49-9262-3182a8f7a7c8"
    }
  }
}
```



```
IBM Cloud Search resources and products... Catalog Manage Yogalakshmi K's Account

DK013ejgrTFJMdjVHWS5BN1JySWNhKwozM0wxNnB4ZEttD1pLYThWcnBnMXJ3QzRnY3d1YUhYMUNENE42K0J1bzhvWGSYmKh6UG91c1dYS1BoaGdXZ2J3CkNcUdI
K0NMNnQ1eFg3b0S5N3VNSUNqRVZndnLWnRqeTQ5VW5iNVZzBHQ0b1J3dTf1b6dzRONjek1tbj1LREQKNHB1REFvYtZyMktZZE4xVxxuN3F3Vg1TbD1TU05RPTOKL
S0tLS1fTKqQ0VSVe1GSUNBEUtlS0tLQo=",
  "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
},
{
  "composed": [
    "db2://xsl18707:yXZj3M8fIE03djMz@9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:
32459/bludb?authSource=admin&replicaSet=rep1set"
  ],
  "database": "bludb",
  "host_ros": [
    "9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:30420"
  ],
  "hosts": [
    {
      "hostname": "9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud",
      "port": 32459
    }
  ],
  "jdbc_url": [
    "jdbc:db2://9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32459/bludb:user=cuse
rid;password=<your_password>;sslConnection=true;"
  ],
  "path": "/bludb",
  "query_options": {
    "authSource": "admin",
    "replicaSet": "rep1set"
  },
  "replica_set": "rep1set",
  "scheme": "db2",
  "type": "uri"
}
},
{
  "instance_administration_api": {
    "deployment_id": "crn:v1:bluemix:public:dashdb-for-transactions:us-south:a/c916ca37d3df4278a030ca427fd179cc:2f3fbc8-8-f225
-423d-a509-604e3522b1da::",
    "instance_id": "crn:v1:bluemix:public:dashdb-for-transactions:us-south:a/c916ca37d3df4278a030ca427fd179cc:2f3fbc8-8-f225-4
23d-a509-604e3522b1da::",
    "root": "https://ani.db2.cloud.ibm.com/v5/ihm"
  }
}
```

```
IBM Cloud Search resources and products... Catalog Manage Yogalakshmi K's Account

mdrcWHzalUc5dzBQVfzRgBQ09QVFFQkYRTBU0Ut3M1N3RjJ2MXBqaH4M01kMwV2SGFVSkrMb0tPd0hSrnf50HgxZ2dRcGVEcFbnMk55Ckx3R08yeK85SWZUm
hLaWd1d2ozWnJ5GxxcH1xQ0pLOHJEU28xZUVPekIyNmE2S1YrQtVscEttMwdjV3VHYzMKK1UzVTFzTdD1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPSIF
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K0NMNnQ1eFg3b0S5N3VNSUNqRVZndnLWnRqeTQ5VW5iNVZzBHQ0b1J3dTf1b6dzRONjek1tbj1LREQKNHB1REFvYtZyMktZZE4xVxxuN3F3Vg1TbD1TU05RPTOKL
S0tLS1fTKqQ0VSVe1GSUNBEUtlS0tLQo=",
  "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
},
{
  "composed": [
    "db2 -u xsl18707 -p yXZj3M8fIE03djMz --ssl --sslCAFile 1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8 --authenticationDatabase
admin --host 9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:32459"
  ],
  "environment": {},
  "type": "cli"
},
{
  "db2": {
    "authentication": {
      "method": "direct",
      "password": "yXZj3M8fIE03djMz",
      "username": "xsl18707"
    },
    "certificate": {
      "certificate_base64": "LS0tLS1CRUdJTiB0RVJUSU5JQ0FURSB0tLS0tCk1JSURFakNDQWZz0F3SUJ0Z01KQV41S0R3ZTNCTnc0TUEwR0tUdTSW
IzRFFQK3N3VUFNQjR4SERBUjNtYlYkQkFNTU0nbEUN0U0JEYkc5MVpDQkVZMf3oWm1Ge1pYTXdIaGNOTWpBd01qSTVNRFF5TVRBBeVdoY05nekf3TWpJgPrNFF5TVR
BeVdqQWNUnd3R2dZRFZRUUREQk5KUNsmZ1EYeHkZkV1FNkdgMFLXSmhJmJ26TUIJQk1qU05CZ2txCmhzalUc5dzBQVfzRgBQ09QVFFQkYRTBU0Ut3M1N3RjJ2MXBqaH4M01kMwV2SGFVSkrMb0tPd0hSrnf50HgxZ2dRcGVEcFbnMk55Ckx3R08yeK85SWZUm
hLaWd1d2ozWnJ5GxxcH1xQ0pLOHJEU28xZUVPekIyNmE2S1YrQtVscEttMwdjV3VHYzMKK1UzVTFzTdD1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPSIF
anFJQzc1UUpXvNmZEMDh1ZWdqe0ZiUmN3SHdZRFZSMGpCQmd3Rm9BWWVDC1kKanfJQzc1VUPxvNmZEMDh1ZWdqe0ZiUmN3RHdZRFZSMFRBUlgvQKfVd0F3RUIveKfQ0
mdrcWHzalUc5dzBQVfzRgBQ09QVFFQkYRTBU0Ut3M1N3RjJ2MXBqaH4M01kMwV2SGFVSkrMb0tPd0hSrnf50HgxZ2dRcGVEcFbnMk55Ckx3R08yeK85SWZUm
hLaWd1d2ozWnJ5GxxcH1xQ0pLOHJEU28xZUVPekIyNmE2S1YrQtVscEttMwdjV3VHYzMKK1UzVTFzTdD1Ujd3ZFFuVjU0TVU4aERvNi9sVHRMRVB2Mnc3V1NPSIF
DK013ejgrTFJMdjVHWS5BN1JySWNhKwozM0wxNnB4ZEttD1pLYThWcnBnMXJ3QzRnY3d1YUhYMUNENE42K0J1bzhvWGSYmKh6UG91c1dYS1BoaGdXZ2J3CkNcUdI
K0NMNnQ1eFg3b0S5N3VNSUNqRVZndnLWnRqeTQ5VW5iNVZzBHQ0b1J3dTf1b6dzRONjek1tbj1LREQKNHB1REFvYtZyMktZZE4xVxxuN3F3Vg1TbD1TU05RPTOKL
S0tLS1fTKqQ0VSVe1GSUNBEUtlS0tLQo=",
  "name": "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8"
},
{
  "composed": [
    "db2://xsl18707:yXZj3M8fIE03djMz@9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud:"
  ]
}
```


[illegible][illegible]

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Source

Target

Define

Finalize

You are loading the file *Global.csv* into *XSL18707.YOGA*

Code page (character encoding): 1208 (UTF-8) Separator: , Header in first row: ☒ Time & date format:

	ROW_ID	ORDER_ID	ORDER_DATE	SHIP_DATE	SHIP_MODE	CUSTOMER_ID	CUSTOMER_NAME	SE
	INTEGER	VARCHAR	VARCHAR	VARCHAR	VARCHAR	VARCHAR	VARCHAR	VA
1	32298	CA-2012-124891	31-07-2012	31-07-2012	Same Day	RH-19495	Rick Hansen	Co
2	26341	IN-2013-77878	05-02-2013	07-02-2013	Second Class	JR-16210	Justin Ritter	Co
3	25330	IN-2013-71249	17-10-2013	18-10-2013	First Class	CR-12730	Craig Reiter	Co
4	13524	ES-2013-1579342	28-01-2013	30-01-2013	First Class	KM-16375	Katherine Murray	Ho
5	47221	SG-2013-4320	05-11-2013	06-11-2013	Same Day	RH-9495	Rick Hansen	Co
6	22732	IN-2013-42360	28-06-2013	01-07-2013	Second Class	JM-15655	Jim Mitchum	Co
7	30570	IN-2011-81826	07-11-2011	09-11-2011	First Class	TS-21340	Toby Swindell	Co
8	31192	IN-2012-86369	14-04-2012	18-04-2012	Standard Class	MB-18085	Mick Brown	Co
9	40155	CA-2014-135909	14-10-2014	21-10-2014	Standard Class	JW-15220	Jane Waco	Co
10	40936	CA-2012-116638	28-01-2012	31-01-2012	Second Class	JH-15985	Joseph Holt	Co

BackNext

IBM Db2 on Cloud

Load Data

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Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Source

Target

Define

Finalize

You are loading the file *Global.csv* into *XSL18707.YOGA*

Review settings

Summary

Code page: 1208 (Default)

Separator: , (Default)

Time format: HH:MM:SS (Default)

Date format: DD/MM/YYYY

Timestamp format: YYYY-MM-DD HH:MM:SS (Default)

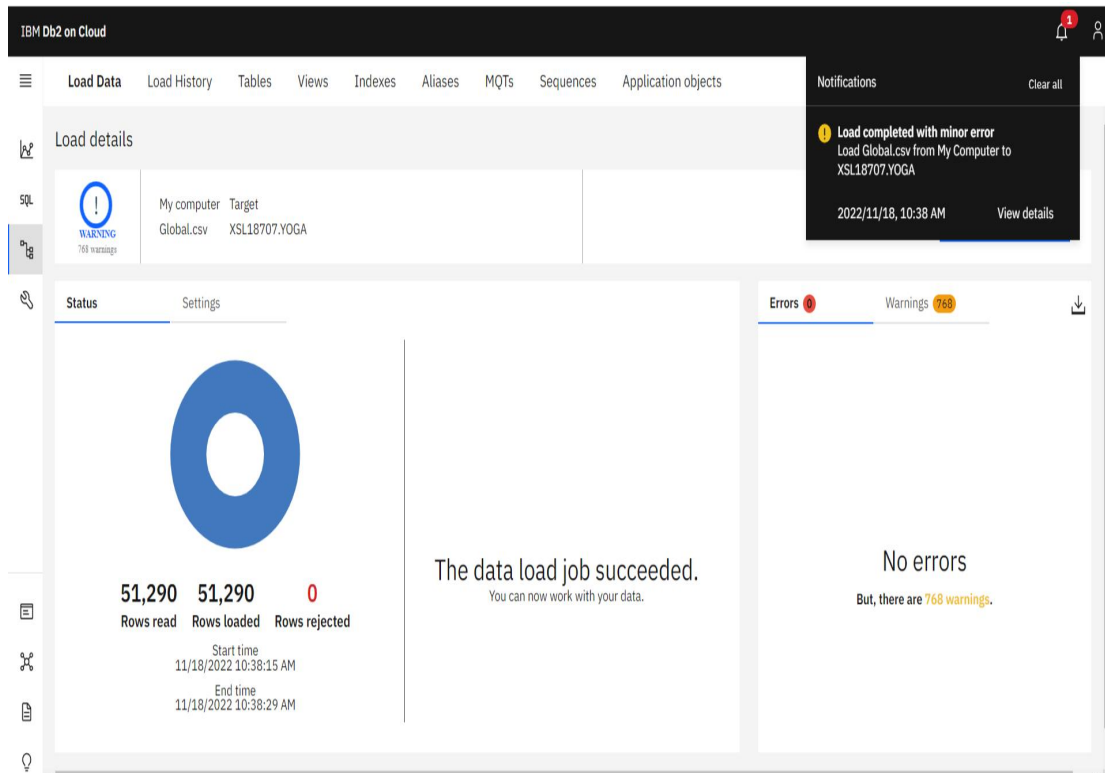
String delimiter: (Default)

Option

Maximum number of warnings

1000

BackBegin Load



IBM Db2 on Cloud

Load Data Load History Tables Views Indexes Aliases MQTs Sequences Application objects

XSL18707.YOGA Back

Export to CSV

	ROW_ID INTEGER	ORDER_ID VARCHAR(15)	ORDER_DATE VARCHAR(10)	SHIP_DATE VARCHAR(10)	SHIP_MODE VARCHAR(14)	CUSTOMER_ID VARCHAR(8)	CUSTOMER_NA... VARCHAR(20)	SEGMENT VARCHAR(11)	CITY VARCHAR(20)	STATE VARCHAR(27)
1	1	MX-2014-143658	02-10-2014	06-10-2014	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico City	Distrito Federal
2	1	MX-2014-143658	02-10-2014	06-10-2014	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico City	Distrito Federal
3	1	MX-2014-143658	02-10-2014	06-10-2014	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico City	Distrito Federal
4	1	MX-2014-143658	02-10-2014	06-10-2014	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico City	Distrito Federal
5	2	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
6	2	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
7	2	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
8	2	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
9	3	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
10	3	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
11	3	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda
12	3	MX-2012-155047	15-10-2012	20-10-2012	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Quebradas	Risaralda

And Then Fetch The Datasets from the IBMDB2 Cloud:

The screenshot displays the IBM Cognos Analytics interface. At the top, a blue header bar contains the text "IBM Cognos Analytics with Watson", a search bar, and user profile icons. Below the header, a maintenance notification states: "Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events".

The main content area is divided into three panels. The left panel, titled "Data server connections", shows a table with two entries:

Name	Modified
PROJECT IBMDB2	11/12/2022 10:59 PM
Weather Company	3/31/2022 10:38 PM

The middle panel, titled "PROJECT IBMDB2", shows details for the selected connection. It includes fields for Owner (Yogala ... 72061f), Created (11/12/2022, 10:59 PM), Modified (11/12/2022, 10:59 PM), and Type (Data Server). Below these are tabs for General, Connections, and Permissions. The "Connections" tab is active, showing a table with one entry:

Name	Modified
PROJECT IBMDB2	11/12/2022 10:59 PM

The right panel, also titled "PROJECT IBMDB2", shows the "Schemas" tab. It displays a table of schemas with their status and the number of tables loaded:

Status	Schema name	Tables loaded
<input type="radio"/>	IBM_RTMON_BASELINE	
<input type="radio"/>	IBM_RTMON_DATA	
<input type="radio"/>	IBM_RTMON_EVMON	
<input type="radio"/>	IBM_RTMON_METADATA	
<input type="radio"/>	PROCMGMT	
<input type="radio"/>	ST_INFORMTN_SCHEMA	
<input checked="" type="radio"/>	XSL18707	1/1

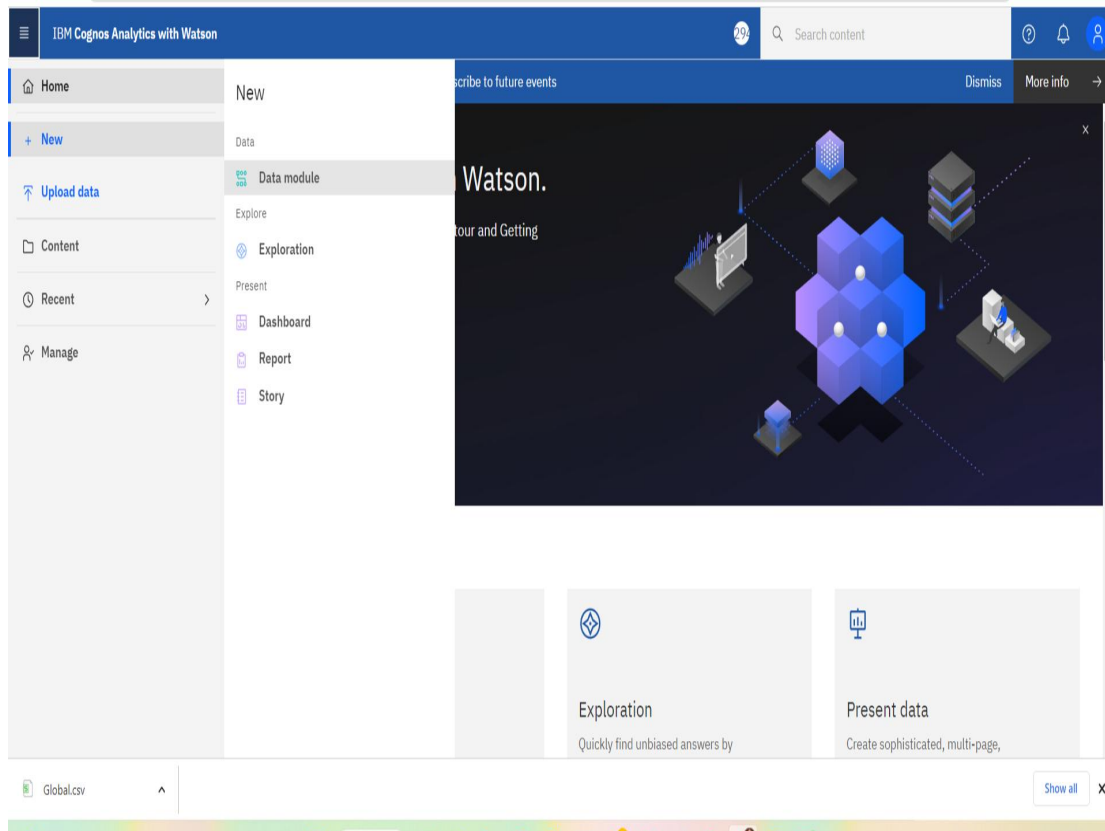
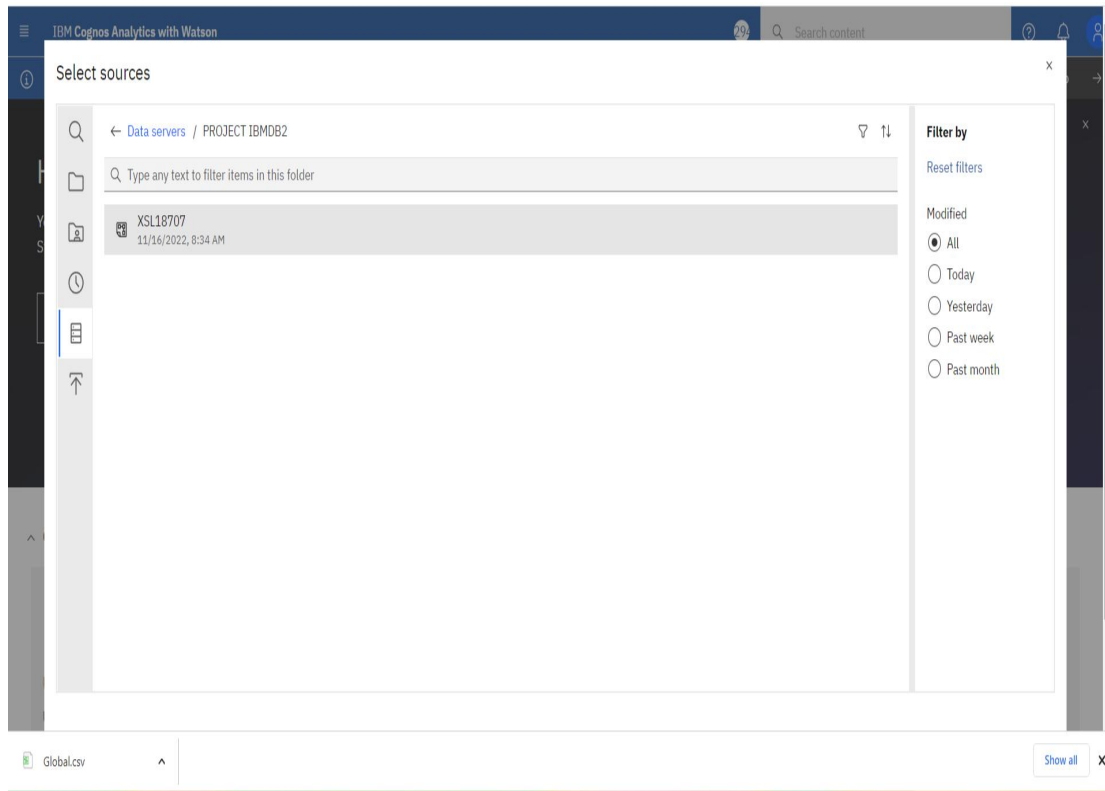
At the bottom of the interface, a "Global.csv" file is visible in the left sidebar, and a "Show all" button is in the bottom right corner.

The screenshot shows the "Select sources" dialog box in IBM Cognos Analytics. The dialog has a search bar at the top with the text "Type any text to filter items in this folder". Below the search bar, a list of data servers is displayed:

- PROJECT IBMDB2 (11/12/2022, 10:59 PM)
- Weather Company (3/31/2022, 10:38 PM)

On the right side of the dialog, there is a "Filter by" section with a "Reset filters" button. Under "Modified", there are radio buttons for "All", "Today", "Yesterday", "Past week", and "Past month". The "All" option is selected.

At the bottom of the dialog, a "Global.csv" file is visible in the left sidebar, and a "Show all" button is in the bottom right corner.



IBM Cognos Analytics with Watson

Learn More

29

Search content

Properties

Data module

Search

New data module

Navigation paths

Yoga

Row Id

Order Id

Order Date

Ship Date

Ship Mode

Customer Id

Customer Name

Segment

City

State

Country

Postal Code

Market

Grid

Relationships

Custom tables

Row Id	Order Id	Order Date	Ship Date	Ship Mode	Customer Id	Customer Name
32298	CA-2012-124891	31-07-2012	31-07-2012	Same Day	RH-19495	Rick Hansen
26341	IN-2013-77878	05-02-2013	07-02-2013	Second Class	JR-16210	Justin Ritter
25330	IN-2013-71249	17-10-2013	18-10-2013	First Class	CR-12730	Craig Reiter
13524	ES-2013-1579342	28-01-2013	30-01-2013	First Class	KM-16375	Katherine Murra
47221	SG-2013-4320	05-11-2013	06-11-2013	Same Day	RH-9495	Rick Hansen
22732	IN-2013-42360	28-06-2013	01-07-2013	Second Class	JM-15655	Jim Mitchum
30570	IN-2011-81826	07-11-2011	09-11-2011	First Class	TS-21340	Toby Swindell
31192	IN-2012-86369	14-04-2012	18-04-2012	Standard Class	MB-18085	Mick Brown
40155	CA-2014-135909	14-10-2014	21-10-2014	Standard Class	JW-15220	Jane Waco

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Save as

Name

IBM DB2 Server COnnection

Selected destination: PROJECT GLOBAL SALES

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Team content

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Name	Type	Last Accessed
GLOBAL SALES DATA ANALYTICS DASHBOARD	Dashboard	11/11/2022, 2:47 AM
Global Sales Data Analytics Story	Story	11/14/2022, 4:13 AM

Cancel

Save

Customer Id

Customer Name

RH-19495

Rick Hansen

JR-16210

Justin Ritter

CR-12730

Craig Reiter

KM-16375

Katherine Murra

RH-9495

Rick Hansen

JM-15655

Jim Mitchum

TS-21340

Toby Swindell

MB-18085

Mick Brown

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Jane Waco

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