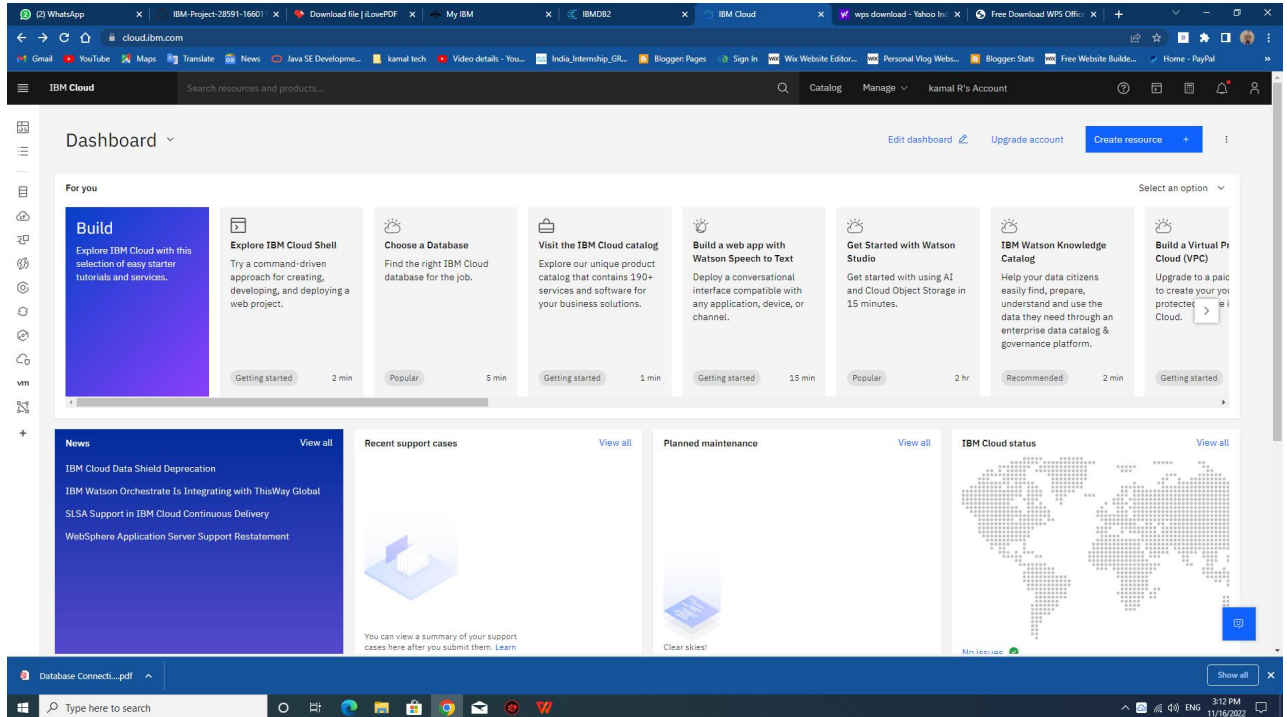


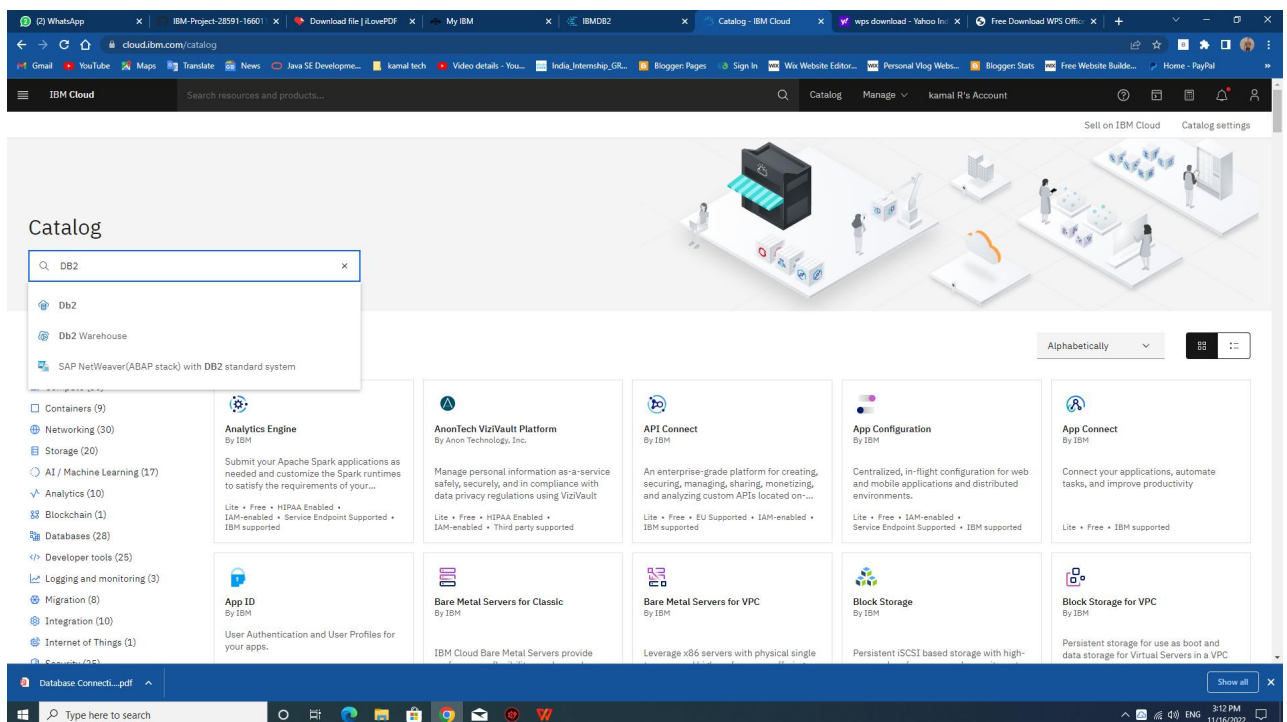
Database Connectivity

| | |
|--------------|--|
| Team ID | PNT2022TMID36078 |
| Project Name | Visualizing and Predicting Heart Diseases with an Interactive Dash Board |

Step 1 : In Cognos we have to perform data server connections



Step 2: Click catalog to search Db2 in search bar



Step 3: In DB2 to select a location and check license and to click create button

The screenshot shows the IBM Db2 Cloud 'Create' page. The 'Location' dropdown is set to 'Dallas (us-south)'. The 'Pricing plan' section shows two options: 'Lite' and 'Standard'. The 'Lite' plan is selected, showing 200 MB of data storage and 5 simultaneous connections. The 'Standard' plan is also visible, showing flexible scaling of compute and storage. A summary sidebar on the right shows the plan details and a 'Create' button.

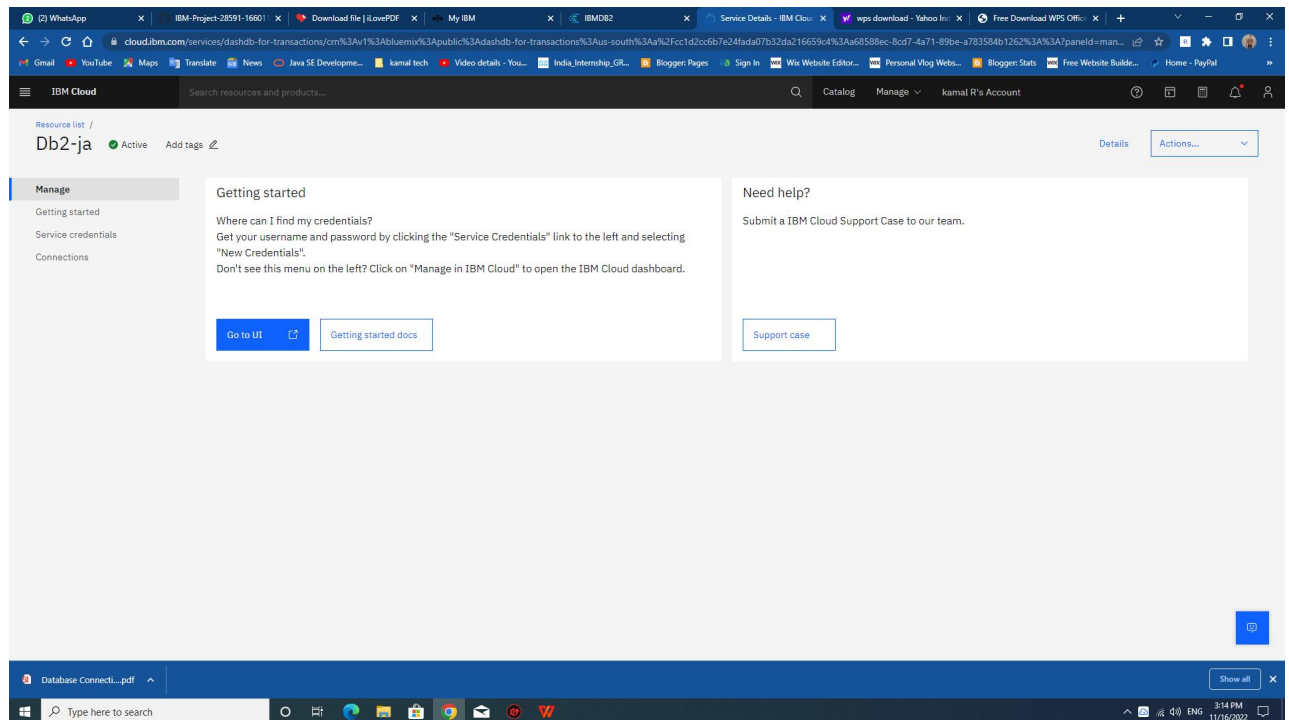
| Plan | Features | Pricing |
|----------|--|---|
| Lite | 200 MB of data storage 5 simultaneous connections Shared multi-tenant system | Free |
| Standard | Instance with flexible scaling of compute and storage Base instance starts at 8 GB RAM x 20 GB Storage HIPAA Enabled | \$0.134 USD/Instance-Hour \$0.00027 USD/GB-Byte-Hours \$0.097 USD/Virtual Processor Core-Hour \$0.00003 USD/BACKUP_GIGABYTE_HOURS \$0.0999 USD/SERVICEENDPOINT_INSTANCE_HOURS |

Step 4: To click Resource list in the resource list to see database/Db2-hd to check active or not

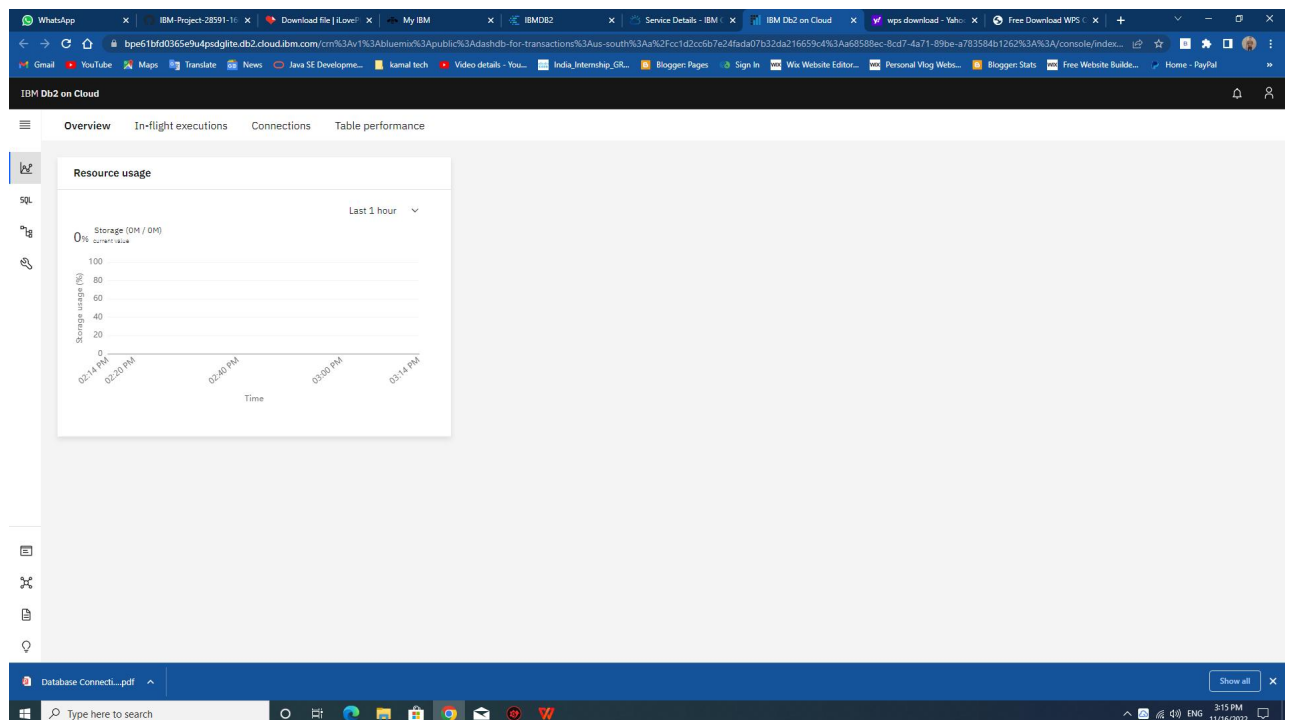
The screenshot shows the IBM Cloud 'Resource list' page. The 'Databases' section is expanded, showing a single resource named 'Db2-ja' with status 'Active'. The table has columns for Name, Group, Location, Product, Status, and Tags.

| Name | Group | Location | Product | Status | Tags |
|----------------------------|---------|----------|---------|--------|------|
| Containers (0) | | | | | |
| Networking (0) | | | | | |
| Storage (0) | | | | | |
| AI / Machine Learning (0) | | | | | |
| Analytics (0) | | | | | |
| Blockchain (0) | | | | | |
| Databases (1) | | | | | |
| Db2-ja | Default | Dallas | Db2 | Active | |
| Developer tools (0) | | | | | |
| Logging and monitoring (0) | | | | | |
| Migration (0) | | | | | |
| Integration (0) | | | | | |
| Internet of Things (0) | | | | | |
| Security (0) | | | | | |
| Mobile (0) | | | | | |
| Other (0+) | | | | | |

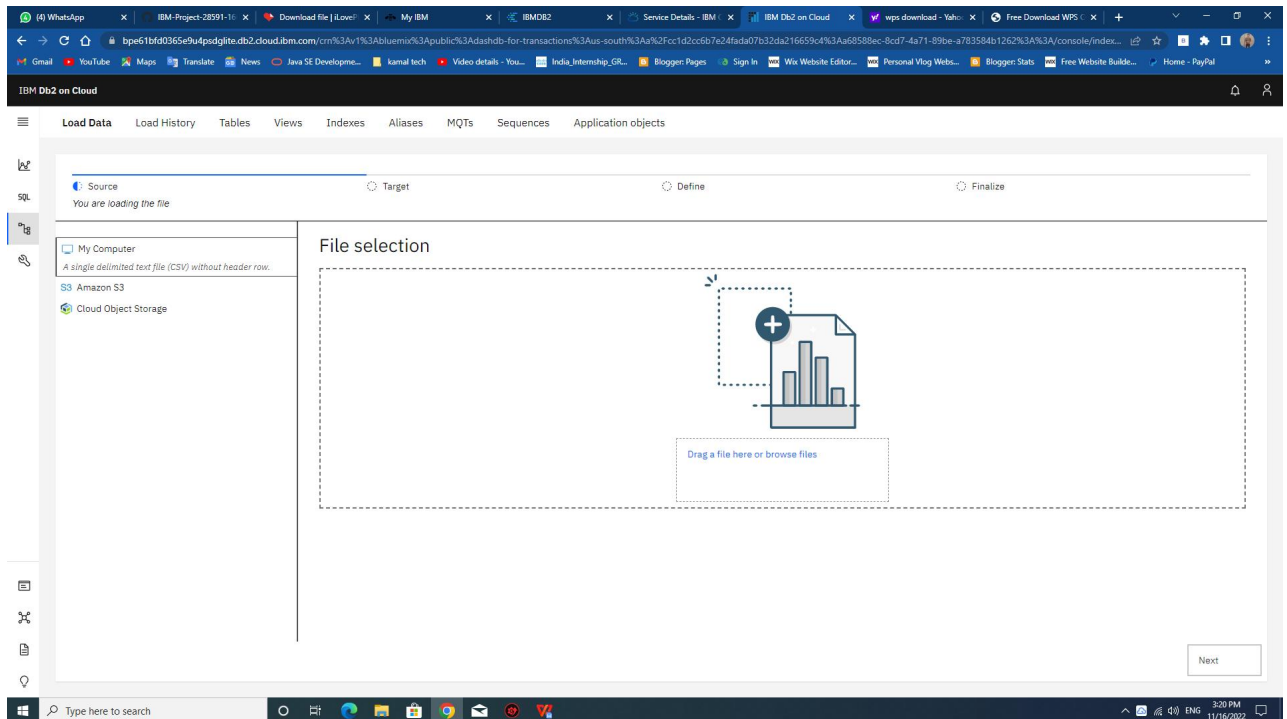
Step 5: Click the DB2-ja to view this page



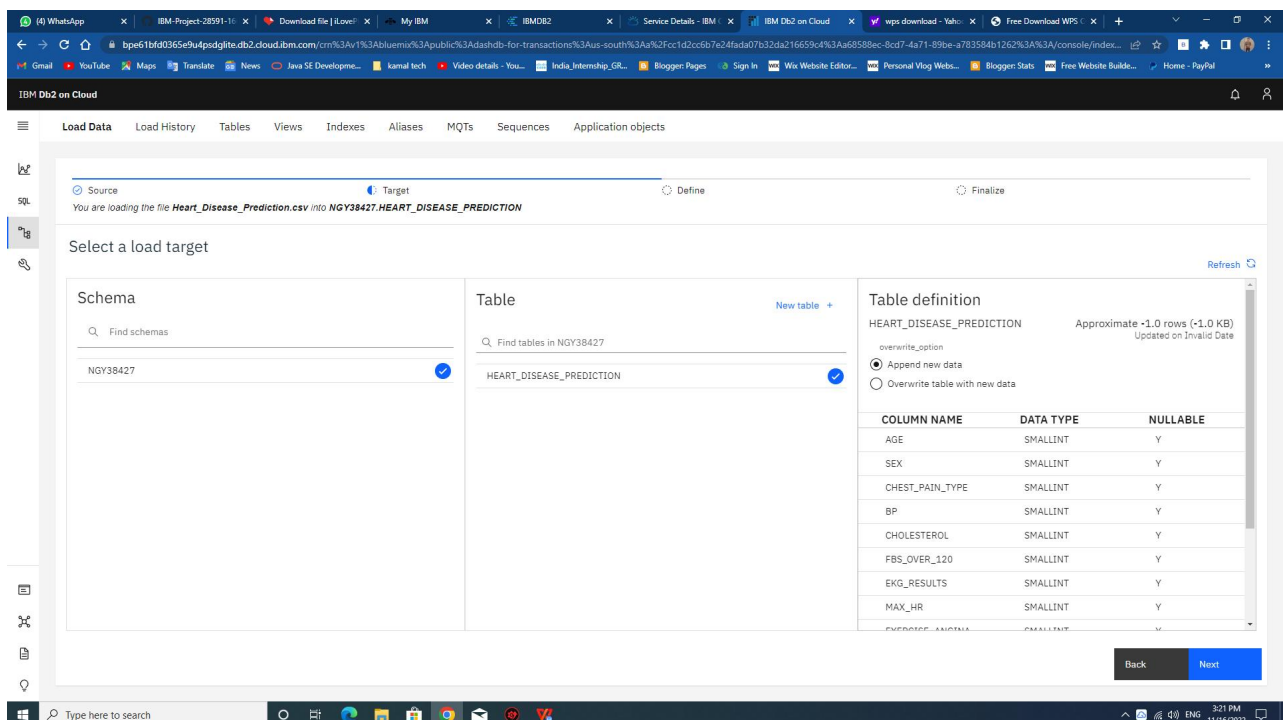
Step 6: Click the Go to UI to see this page



Step 7: Click Data and select the dataset file



Step 8: Select the dataset and select schema and table to click next to move



Step 9: To view the Dataset Table and click next

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

Source Target Define Finalize

You are loading the file **Heart_Disease_Prediction.csv** into **NGY38427.HEART_DISEASE_PREDICTION**

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

| | AGE SMALLINT | SEX SMALLINT | CHEST_PAIN_TYPE SMALLINT | BP SMALLINT | CHOLESTEROL SMALLINT | FBS_OVER_120 SMALLINT | EKG_RESULTS SMALLINT | MAX_HR SMALLINT | EXERCISE_ANGINA SMALLINT | ST_DEPRESSION DECIMAL |
|----|-----------------|-----------------|-----------------------------|----------------|-------------------------|--------------------------|-------------------------|--------------------|-----------------------------|--------------------------|
| 1 | 70 | 1 | 4 | 130 | 322 | 0 | 2 | 109 | 0 | 2.4 |
| 2 | 67 | 0 | 3 | 115 | 564 | 0 | 2 | 160 | 0 | 1.6 |
| 3 | 57 | 1 | 2 | 124 | 261 | 0 | 0 | 141 | 0 | 0.3 |
| 4 | 64 | 1 | 4 | 128 | 263 | 0 | 0 | 105 | 1 | 0.2 |
| 5 | 74 | 0 | 2 | 120 | 269 | 0 | 2 | 121 | 1 | 0.2 |
| 6 | 65 | 1 | 4 | 120 | 177 | 0 | 0 | 140 | 0 | 0.4 |
| 7 | 56 | 1 | 3 | 130 | 256 | 1 | 2 | 142 | 1 | 0.6 |
| 8 | 59 | 1 | 4 | 110 | 239 | 0 | 2 | 142 | 1 | 1.2 |
| 9 | 60 | 1 | 4 | 140 | 293 | 0 | 2 | 170 | 0 | 1.2 |
| 10 | 63 | 0 | 4 | 150 | 407 | 0 | 2 | 154 | 0 | 4 |

Back Next

Step 10: To check the Load Details and display the data load job succeeded

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

Load details

My computer Target
Heart_Disease_Prediction.csv NGY38427.HEART_DISEASE_PREDICTION

View Table Load More Data

Status Settings

COMPLETE

270 270 0
Rows read Rows loaded Rows rejected

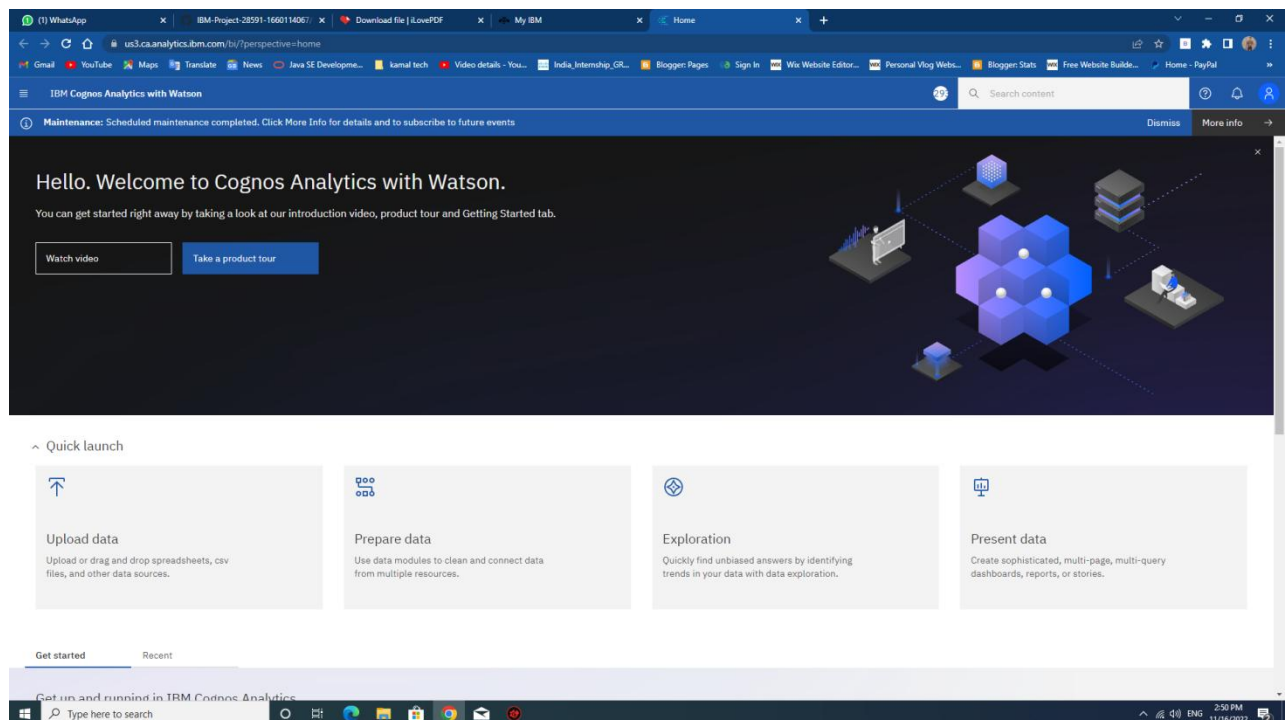
Start time
11/16/2022 3:22:45 PM
End time
11/16/2022 3:22:59 PM

The data load job succeeded.
You can now work with your data.

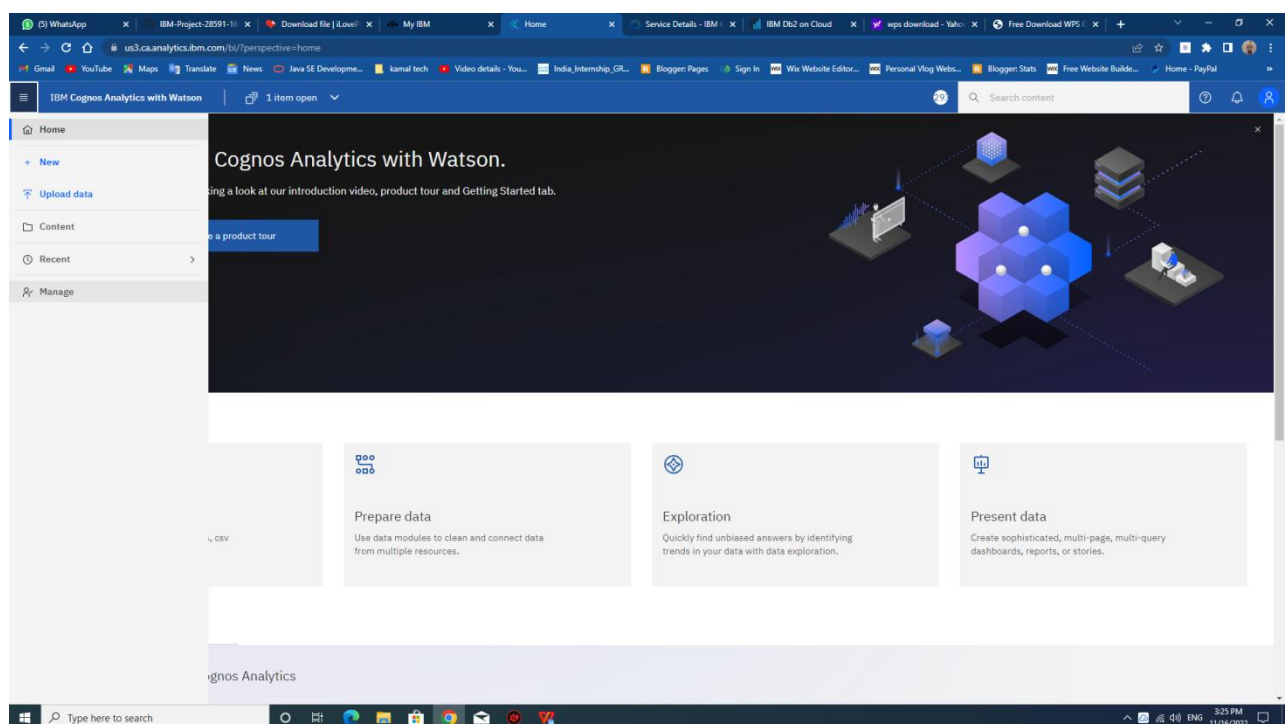
Errors Warnings

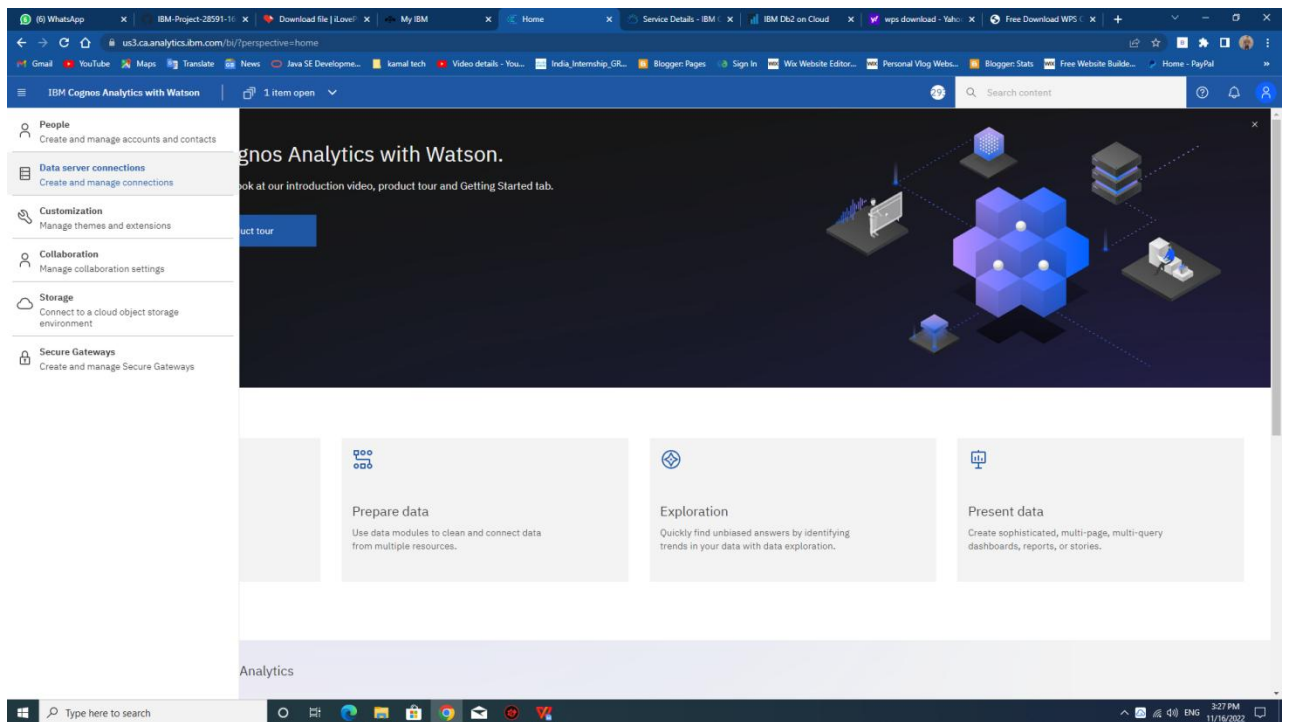
No errors

Step 11: Open IBM Cognos Analytics

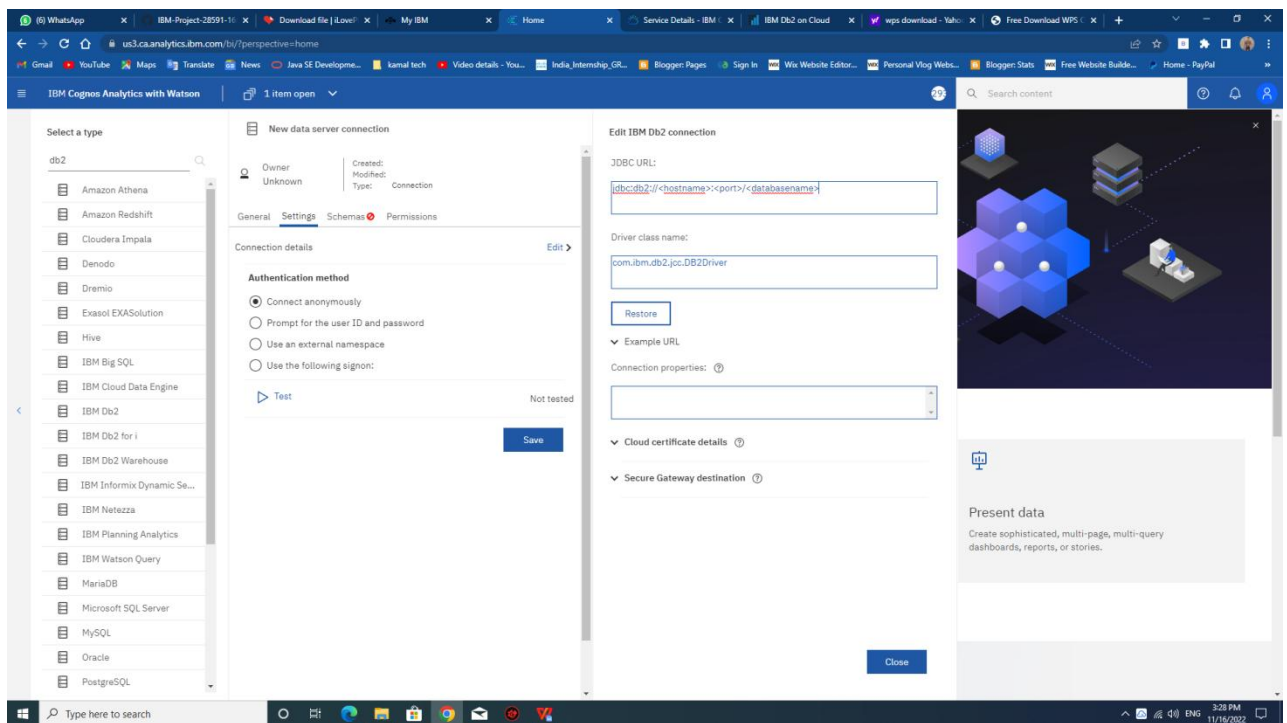


Step 12: Click manage and next click data server connection

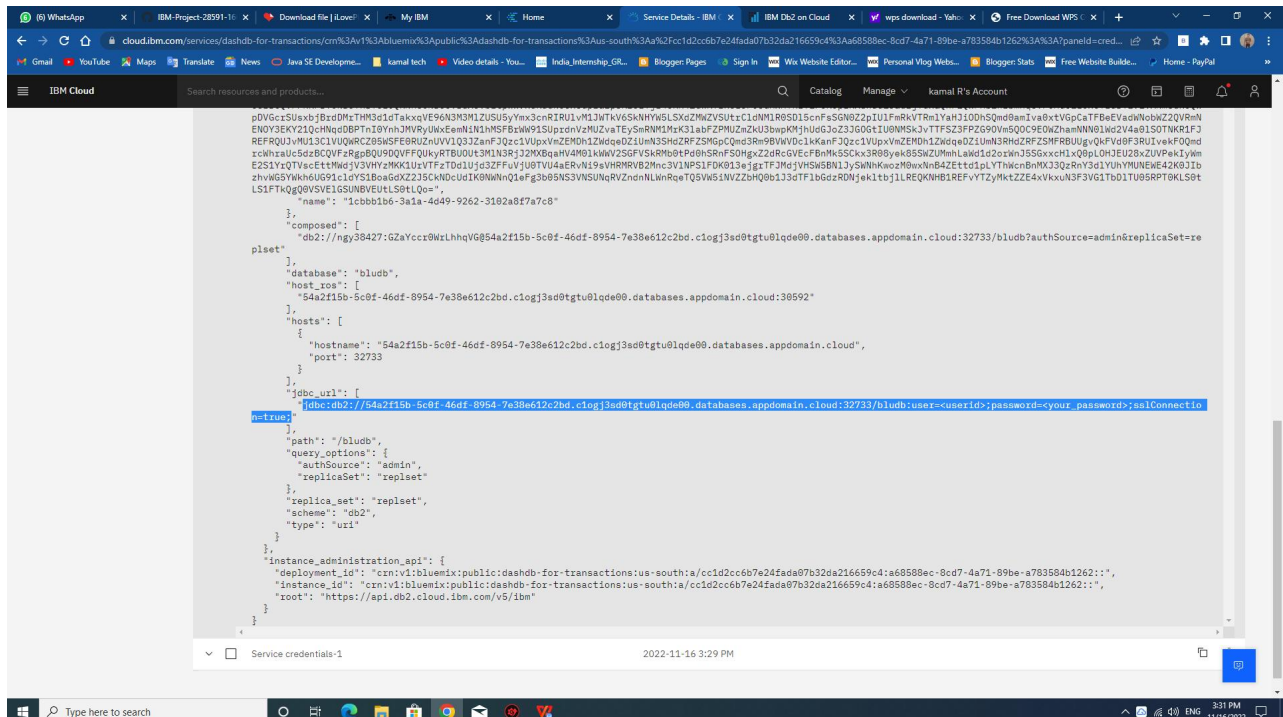
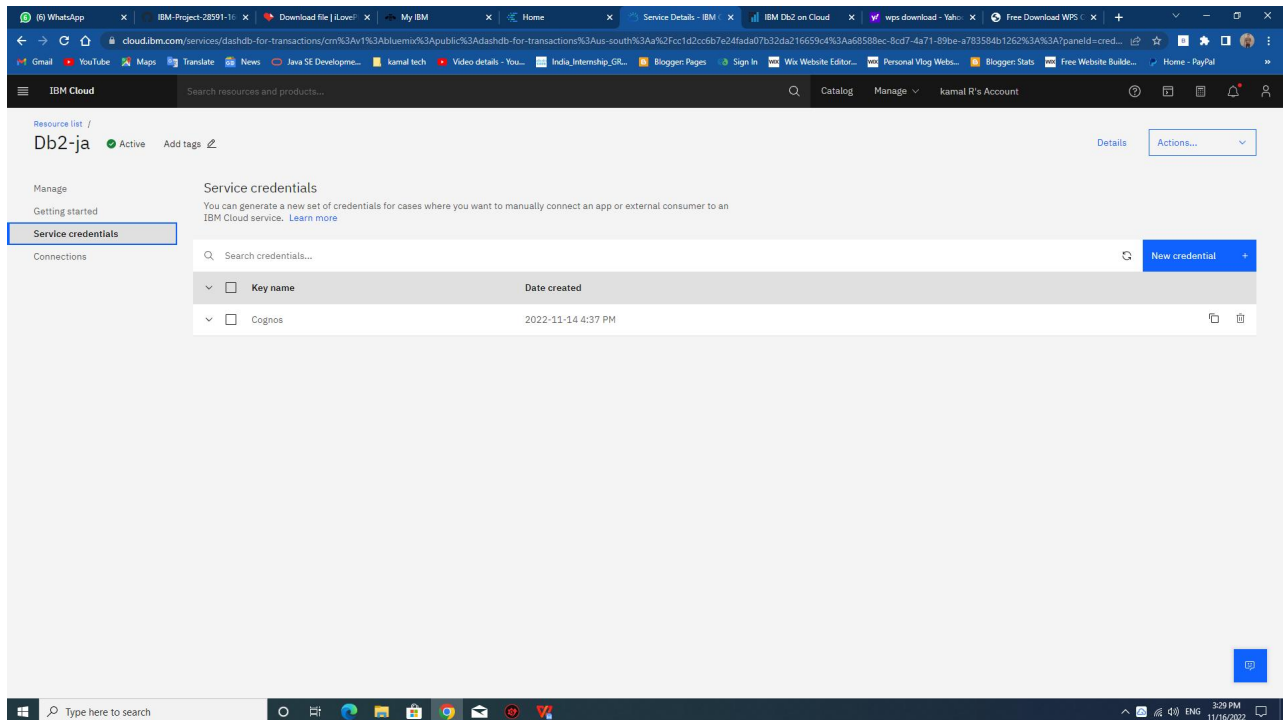




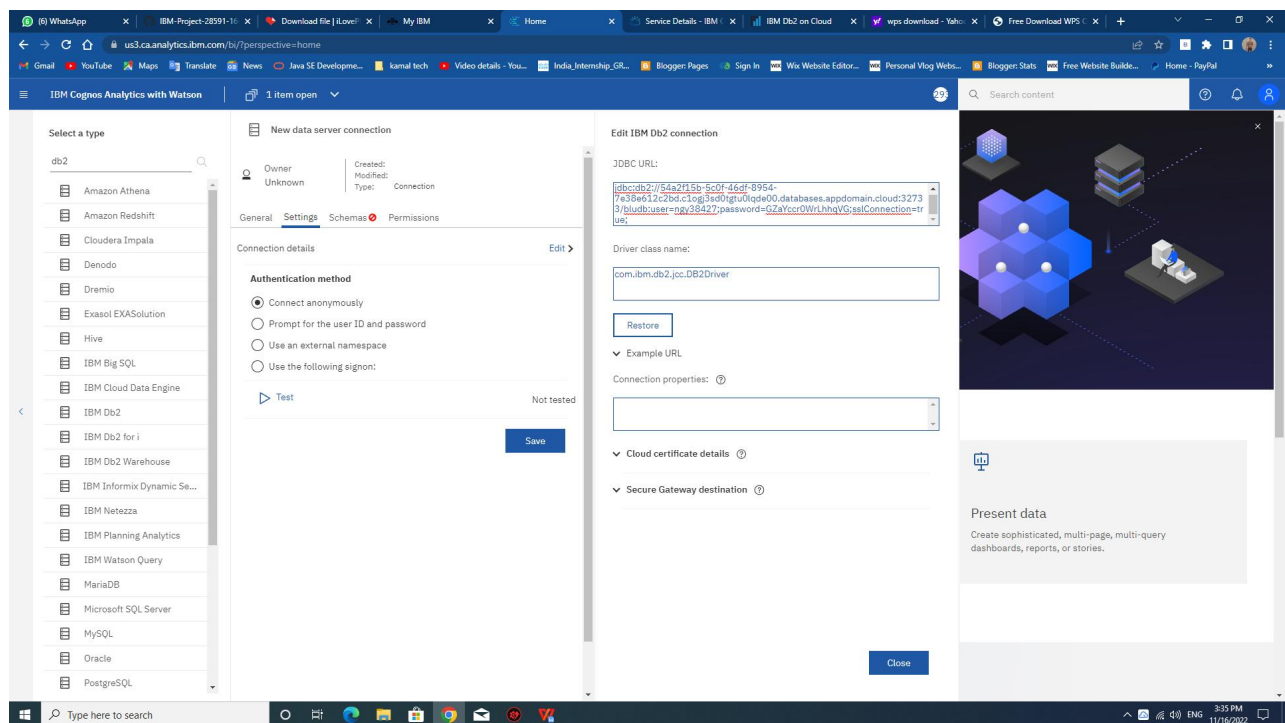
Step 13: Click plus(+) icon and select type to select (IBM Db2)



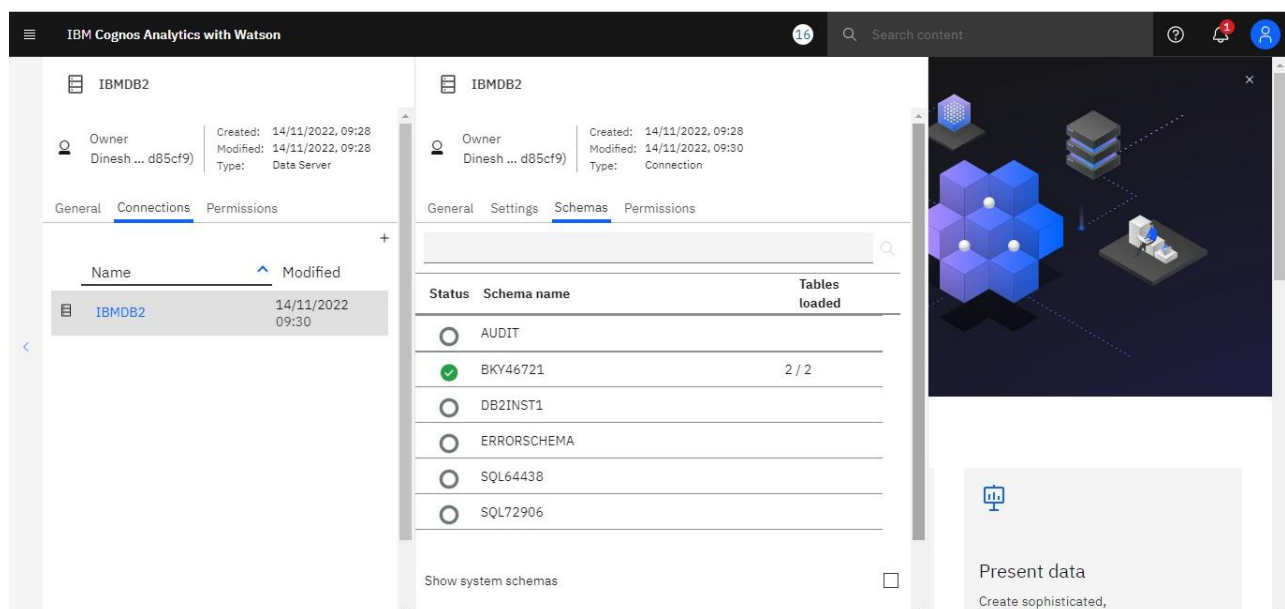
Step 14: Again Open IBM Cloud tap to click service credentials and click cognos to see the code to copy the jdbc and username and password in the given code



Step 15: The copy of jdbc and username and password to in JDBC Url in IBM cognos tap and click save button



Step 16: After click save button to visible the schemas option to select our database name to load the metadata to see tables uploaded value



Database (DB2) Successfully connected in Cognos Analytics with watson