

Final Deliverable Phase

Team ID	PNT2022TMID07696
Project Name	Estimate The Crop Yield Using Data Analytics
Date	15/11/2022

IBM DB2 on Cloud:

The screenshot displays the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links to 'Catalog', 'Manage', and 'Srinivasan Sivakumar's...'. Below this, the 'Dashboard' section is visible, featuring a 'For you' section with several cards: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Set up your IBM Cloud account' (Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes), 'Discover the Watson Internet of Things (IoT) Platform' (Use the built-in web console dashboards to monitor your IoT data and analyze it in real time), 'Explore tutorials' (Try out a variety of tutorials to get you started with IBM Cloud or help you with more complex scenarios), and 'Build a...' (Create Object in its n...). Each card has a 'Getting started' button and a duration (10 min or 2 hr). Below the 'For you' section, there are sections for 'User access' (Manage users), 'News' (Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS), and 'Planned maintenance' (View all). The bottom of the dashboard shows a Windows taskbar with the search bar and various application icons.

IBM Cloud Account Overview

cloud.ibm.com/resources

IBM Cloud

Search resources and products...

Resource list categories now match the IBM Cloud Catalog

We've updated the categories to be streamlined and accessible. **Expand all categories** () or **filter by product** to find any of your resources.

Name	Group	Location	Product	Status	Tags
Compute (0)					
Containers (0)					
Networking (0)					
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (1)					
Db2-pv	Default	Dallas	Db2	Provision in pro...	
Developer tools (0)					
Logging and monitoring (0)					

UAT.pdf Performance Testi...pdf Testcases Report.xlsx

Show all

IBM Cloud Account Overview

cloud.ibm.com/services/dashdb-for-transactions/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fa72f9901949e4919b996733...

IBM Cloud

Search resources and products...

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
cognos	2022-11-18 9:13 PM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "ywr64977",
        "-p",
        "tCT8rnT366t99JB",
        "--ssl",
        "--sslCAFile",
        "1cbbb1b6-3a1a-4d49-9262-3102a8f7a7c8",
        "--authenticationDatabase",
        "admin"
      ]
    }
  }
}
```

UAT.pdf Performance Testi...pdf Testcases Report.xlsx

Show all

IBM Cloud Account Overview

cloud.ibm.com/services/dashdb-for-transactions/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fa72f9901949e4919b996733...

IBM Cloud

Search resources and products...

Resource list / Db2-pv

Manage

- Getting started
- Service credentials
- Connections

Getting started

Where can I find my credentials?
Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".
Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.

Need help?

Submit a IBM Cloud Support Case to our team.

Go to UI

Getting started docs

Support case

UAT.pdf

Performance Testi....pdf

Testcases Report.xlsx

Show all

IBM Db2 on Cloud

Overview In-flight executions Connections Table performance

Resource usage

Last 1 hour

Storage (0M / 0M)

0% current value

Storage usage (%)

Time

08:26 PM 08:40 PM 09:00 PM 09:20 PM 09:26 PM

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic...

UAT.pdf

Performance Testi....pdf

Testcases Report.xlsx

Show all

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 **crop_production.csv** into **YWR64977.CROP**

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

	STATE_NAME VARCHAR(27)	DISTRICT_NAME VARCHAR(24)	CROP_YEAR SMALLINT	SEASON VARCHAR(11)	CROP VARCHAR(19)
1	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Areca nut
2	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif products
3	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice
4	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Banana
5	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Cashew nut
6	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Coconut

Back Next

UAT.pdf Performance Testi...pdf Testcases Report.xlsx Show all

Type here to search

IBM Db2 on Cloud

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

UPLOADING

My computer Target
crop_production.csv YWR64977.CROP

View Table Load More Data

Status Settings

100% completed.
Do not sign out of the console until the upload completes.

Did you know?
Changes that you make to statements in the SQL editor can be exported to a text file that you can import later.

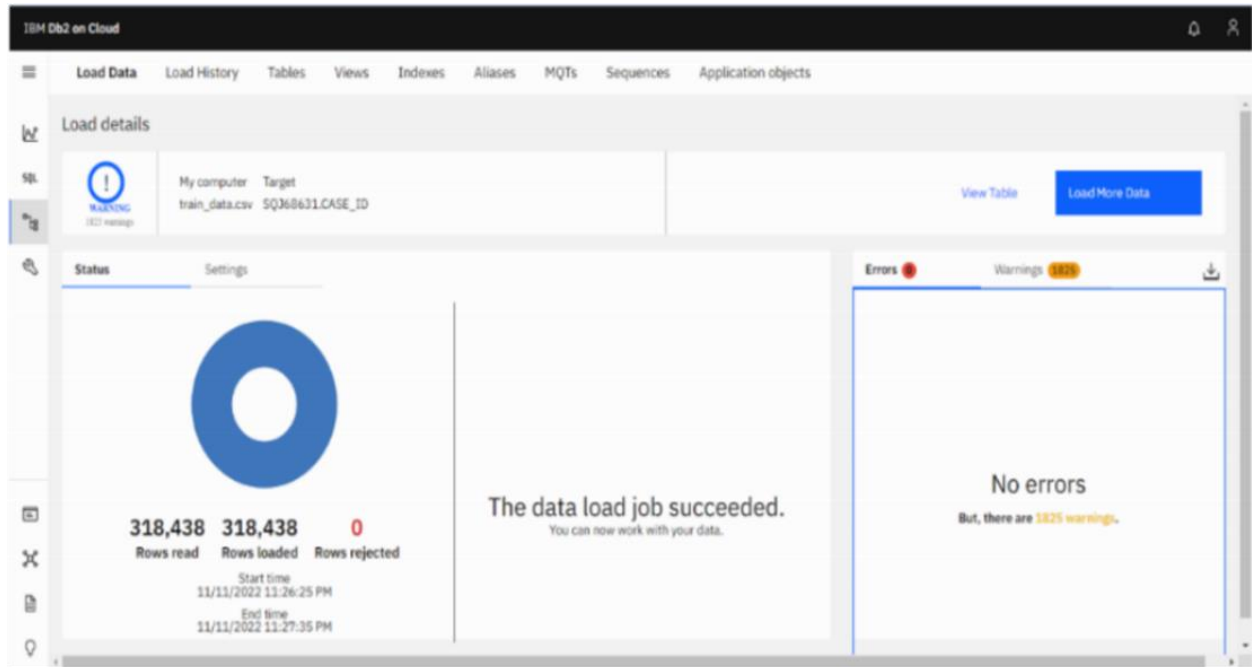
- 1 Auto-create table
- 2 Upload
- 3 Load data
- 4 Complete

Errors 0 Warnings 0

Available after load is finished

UAT.pdf Performance Testi...pdf Testcases Report.xlsx Show all

Type here to search



IBM Cognos Analytics with Watson

Select a type

- Amazon Athena
- Amazon Redshift
- Cloudera Impala
- Denodo
- Dremio
- Exasol EXASolution
- Hive
- IBM Big SQL
- IBM Cloud Data Engine
- IBM Db2
- IBM Db2 for i
- IBM Db2 Warehouse
- IBM Informix Dynamic S...

srinidb2

Owner: Sriniva ...35fbacf

Created: 11/18/2022, 10:26 AM
Modified: 11/18/2022, 10:26 AM
Type: Connection

General Settings Schemas Permissions

Connection details Edit >

Authentication method

- ☒ Connect anonymously
- ☐ Prompt for the user ID and password
- ☐ Use an external namespace
- ☐ Use the following signon:

Test Not tested

Save

Edit IBM Db2 connection

JDBC URL:

jdbc:db2://fbd88901-ebdb-4a4f-a32e-9822b9fb237b.c10g3sd0tgtu0lqde00.databases.appdomain.cloud:32731/bludb:user=ywr64977;password=tCT8rt3661993JB;sslConnec tion=true;

Driver class name:

com.ibm.db2.jcc.DB2Driver

Restore

Example URL

Connection properties: ⓘ

Close

UAT.pdf Performance Testi...pdf Testcases Report.xlsx Show all

Type here to search

ENG 11:25 AM
IN 11/19/2022

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson

Data server connections

Name	Modified
Weather Company	3/31/2022 8:44 PM
srinidb2	11/18/2022 10:26 AM

srinidb2

Owner: Sriniva ... 35fbacf

Created: 11/18/2022, 10:26 AM

Modified: 11/18/2022, 10:26 AM

Type: Data Server

General Connections Permissions

srinidb2

11/18/2022 10:27 AM

Present data

UAT.pdf Performance Testi...pdf Testcases Report.xlsx

Type here to search

ENG IN 11:27 AM 11/19/2022

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson

Data server connections

Name	Modified
Weather Company	3/31/2022 8:44 PM
srinidb2	11/18/2022 10:26 AM

srinidb2

Owner: Sriniva ... 35fbacf

Created: 11/18/2022, 10:26 AM

Modified: 11/18/2022, 10:26 AM

Type: Data Server

General Connections Permissions

srinidb2

11/18/2022 10:27 AM

Settings Schemas Permissions

Status	Schema name	Tables loaded
<input type="radio"/>	IBM_RTMON_EVMON	
<input type="radio"/>	IBM_RTMON_METADATA	
<input type="radio"/>	IDAX	
<input type="radio"/>	PROCMPGMT	
<input type="radio"/>	ST_INFORMTN_SCHEMA	
<input checked="" type="radio"/>	YWR64977	3 / 3

Show system schemas

UAT.pdf Performance Testi...pdf Testcases Report.xlsx

Type here to search

ENG IN 11:27 AM 11/19/2022

Uploading Dataset in Kaggle:

This is My Kaggle Account. I have to change my username “sanwatson”

The screenshot shows the Kaggle homepage for a user named 'sanwatson s!'. The left sidebar contains navigation links: Home, Competitions, Datasets, Code, Discussions, Learn, More, Your Work, and View Active Events. The main content area features a 'Welcome, sanwatson s!' message and a 'Next Steps' section. Under 'Next Steps', there are two columns: 'On the path to Contributor' and 'Things to do'. The 'Things to do' column lists three tasks: 'Run your first notebook', 'Join a conversation', and 'Cast your first upvote', each with a checkbox and a brief description. The browser's address bar shows 'kaggle.com' and the taskbar at the bottom displays the Windows logo and various application icons.

Download API Token:

The screenshot shows the Kaggle account page for user 'sanwatson s | Novice | Kaggle'. The page has a top navigation bar with links: Home, Competitions, Datasets, Code, Discussion, Followers, Notifications, and Account. The 'Account' link is highlighted. Below the navigation bar, there is a green banner with a checkmark and the text: 'Ensure kaggle.json is in the location ~/.kaggle/kaggle.json to use the API.' Below this, there is a section for 'Email Preferences' with a link to 'Notification settings page'. The 'API' section contains the text: 'Using Kaggle's beta API, you can interact with Competitions and Datasets to download data, make submissions, and more via the command line.' Below this text are two buttons: 'Create New API Token' and 'Expire API Token'. At the bottom, there is a table showing the user's quota for Private Data, GPU, and TPU. The browser's address bar shows 'kaggle.com/sanwatsons/account?isEditing=False&verifyPhone=False' and the taskbar at the bottom displays the Windows logo and various application icons.

Quota	
Private Data	0 B / 107.37 GB
GPU	00:00 / 33 hrs
TPU	00:00 / 20 hrs

Upload Dataset:

The screenshot illustrates the process of uploading a dataset to Kaggle. The browser window shows the Kaggle website at kaggle.com/sanwatsons/datasets. The user is logged in as 'sanwatsons' and is on the 'Datasets' tab. A message states: "This tab is hidden from other users until you create a public dataset." Below this, it says: "A data scientist with no data? No such thing! Publish any dataset on Kaggle's [public data platform](#), and your collection will grow here. Find other data enthusiasts with shared interests to discuss and collaborate for work or play." A blue button labeled "New Dataset" is visible.

A Windows File Explorer window is open, showing the 'This PC' view. The 'Desktop' folder is selected, and the 'crop_production' folder is highlighted. The 'File name' field shows 'crop_production' and the 'File type' is set to 'All Files'. The 'Open' button is visible.

A 'drop files to upload' dialog box is also visible, showing a 'Browse Files' button and a 'Create' button. The dialog box is titled 'drop files to upload' and has a close button (X) in the top right corner.

IBM

IBM-EPBL/IBM-Project-29498-16

crop production | Kaggle

kaggle.com/datasets/sanwatsons/crop-production

Gmail

YouTube

Maps

Translate

Marketplace

IBM Cloud

Estimate the crop yi...

Estimate the crop yi...

ECYUDA board - Ag...

+

Create

Home

Competitions

Datasets

Code

Discussions

Learn

More

Your Work

RECENTLY VIEWED

crop production

View Active Events

Search

crop production

Data

Code (0)

Discussion (0)

Settings

0

New Notebook

Download (2 MB)

crop_production.csv (13.88 MB)

Detail

Compact

Column

7 of 7 columns

About this file

This file does not have a description yet.

State_Name	District_Name	# Crop_Year	Season	Crop
Uttar Pradesh	14%	<div>646 unique values</div>	Kharif	39% Rice
Madhya Pradesh	9%		Rabi	27% Maiz
Other (189842)	77%		Other (83153)	34% Othe
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Areca
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice

Type here to search

ENG IN

3:44 AM

11/20/2022

IBM

IBM-EPBL/IBM-Project-29498-16

crop production | Kaggle

kaggle.com/datasets/sanwatsons/crop-production

Gmail

YouTube

Maps

Translate

Marketplace

IBM Cloud

Estimate the crop yi...

Estimate the crop yi...

ECYUDA board - Ag...

+

Create

Home

Competitions

Datasets

Code

Discussions

Learn

More

Your Work

RECENTLY VIEWED

crop production

View Active Events

Search

crop production

Data

Code (0)

Discussion (0)

Settings

0

New Notebook

Download (2 MB)

Uttar Pradesh	14%	<div>646 unique values</div>	Kharif	39%	Rice
Madhya Pradesh	9%		Rabi	27%	Maiz
Other (189842)	77%		Other (83153)	34%	Othe
Andaman and Nicobar Islands	NICOBARS	2000	Kharif		Areca
Andaman and Nicobar Islands	NICOBARS	2000	Kharif		Other
Andaman and Nicobar Islands	NICOBARS	2000	Kharif		Rice
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year		Banana
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year		Cashew
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year		Cocoa
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year		Dry
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year		Sugarcane

Summary

1 file

7 columns

New Version

Type here to search

ENG IN

3:45 AM

11/20/2022