

AI-based localization and classification of skin disease with erythema

TEAM ID: PNT2002TMID37372

MITHUN H

DINESHKUMAR P

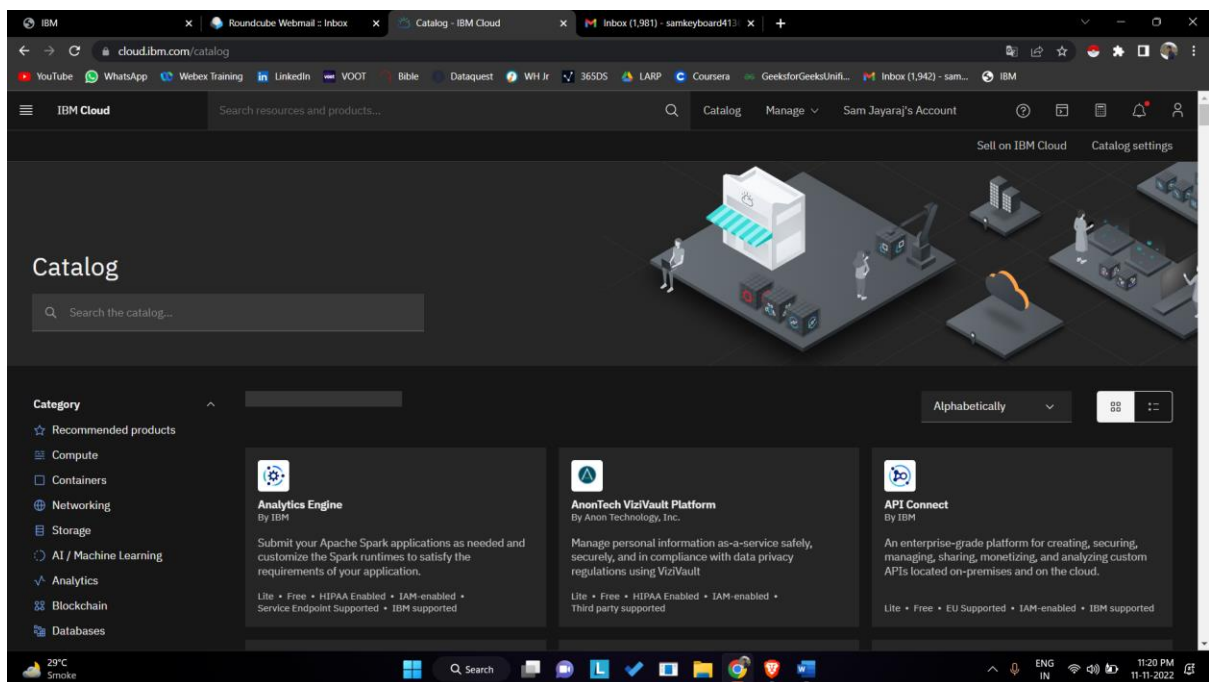
SAM JAYARAJ B

VIJESH P

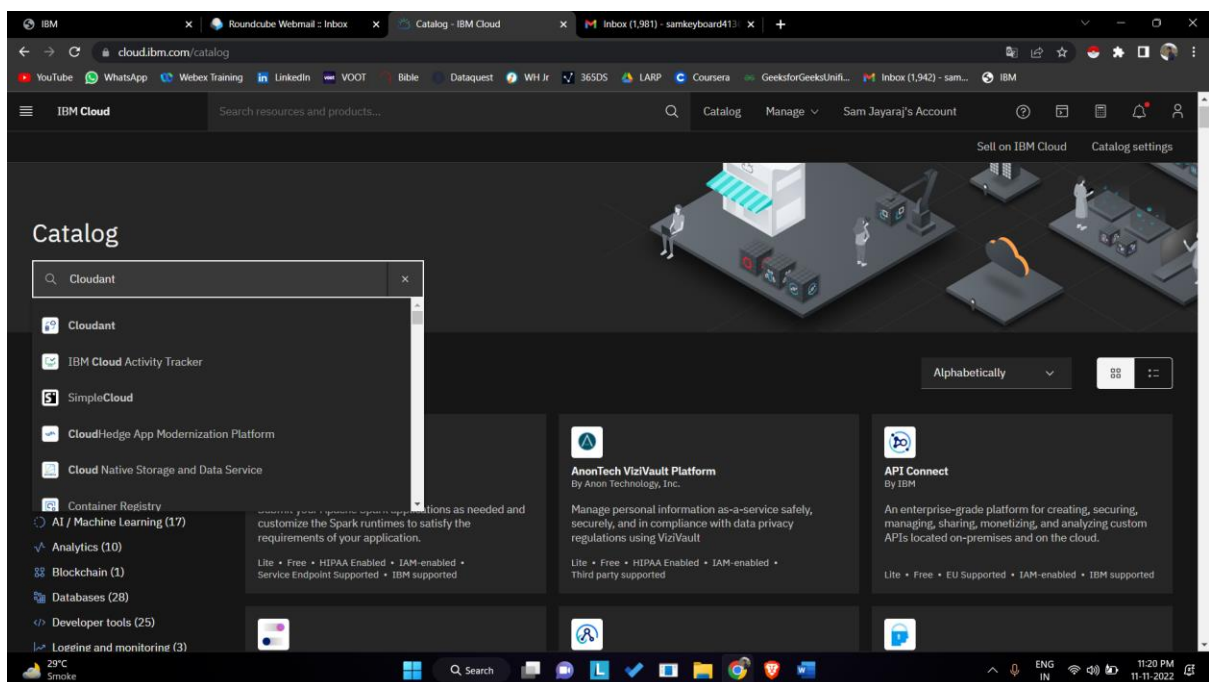
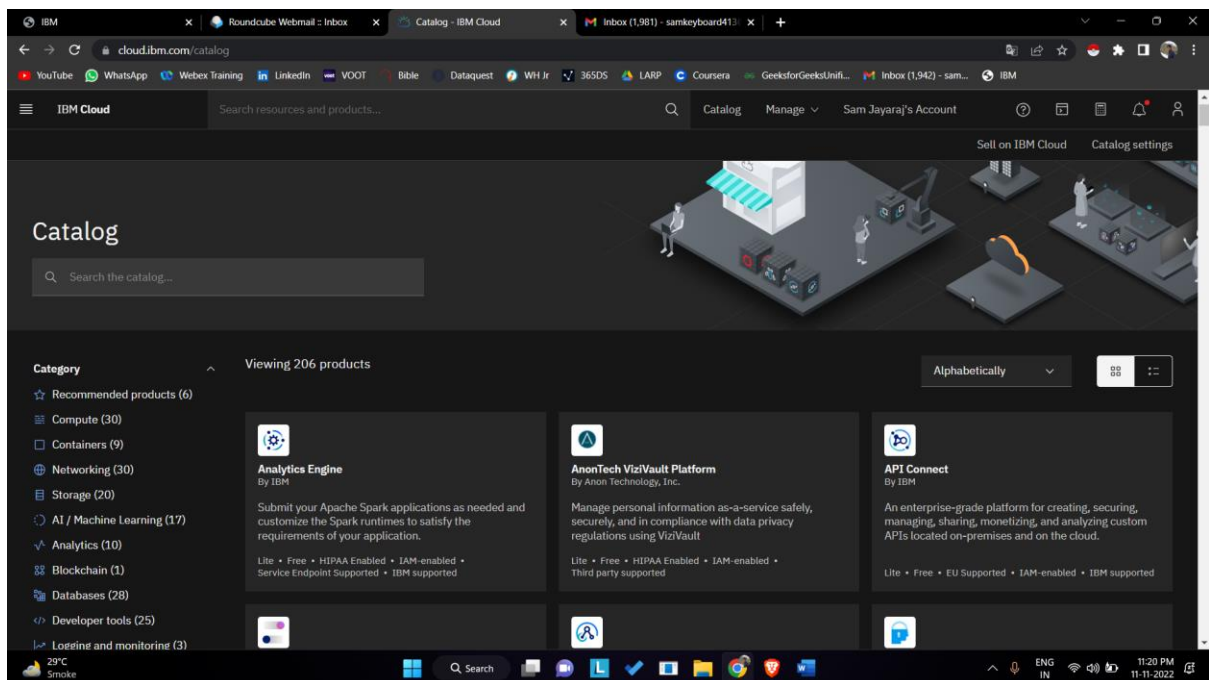
SRIKUMAR R

Cloudant DB

First, we have registered to IBM Cloud.



Creating service instance



IBM

Roundcube Webmail - Inbox

Cloudant - IBM Cloud

Inbox (1,981) - samkeyboard411

cloud.ibm.com/catalog/services/cloudant?bss_account=b5a644421c4643e589499445fe912621

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Get started on Cloudant with 600 USD in cloud credits. Apply code CLOUDANTFREE600 to get started now.

Catalog / Services /

 **Cloudant**

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

CreateAbout

Select an offering

Cloudant

IBM Cloudant is a fully managed JSON document database that offers independent serverless scaling of throughput capacity and storage.

Lite plan available

Select an environment

MultitenantDedicated

Summary

1

Cloudant Lite

Free

20 Reads/secFree

10 Writes/secFree

5 Global Queries/secFree

1 GB StorageIncluded

Create

Add to estimate

29°C Smoke

Search

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IBM

Cloudant - IBM Cloud

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cloud.ibm.com/catalog/services/cloudant?bss_account=b5a644421c4643e589499445fe912621

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MultitenantDedicated

Your instance will be running securely on environments with shared resources.

Available regions

Dallas

Configure Cloudant instance

Instance name

Cloudant-cd

Tags

Examples: env/dev, version-1

Authentication method ⓘ

IAM

Plan

Lite

Standard

Service created

The service might take time to provision. You are being redirected to the resource list now.

Summary

1

Cloudant Lite

Free

20 Reads/secFree

10 Writes/secFree

5 Global Queries/secFree

1 GB StorageIncluded

Create

Add to estimate

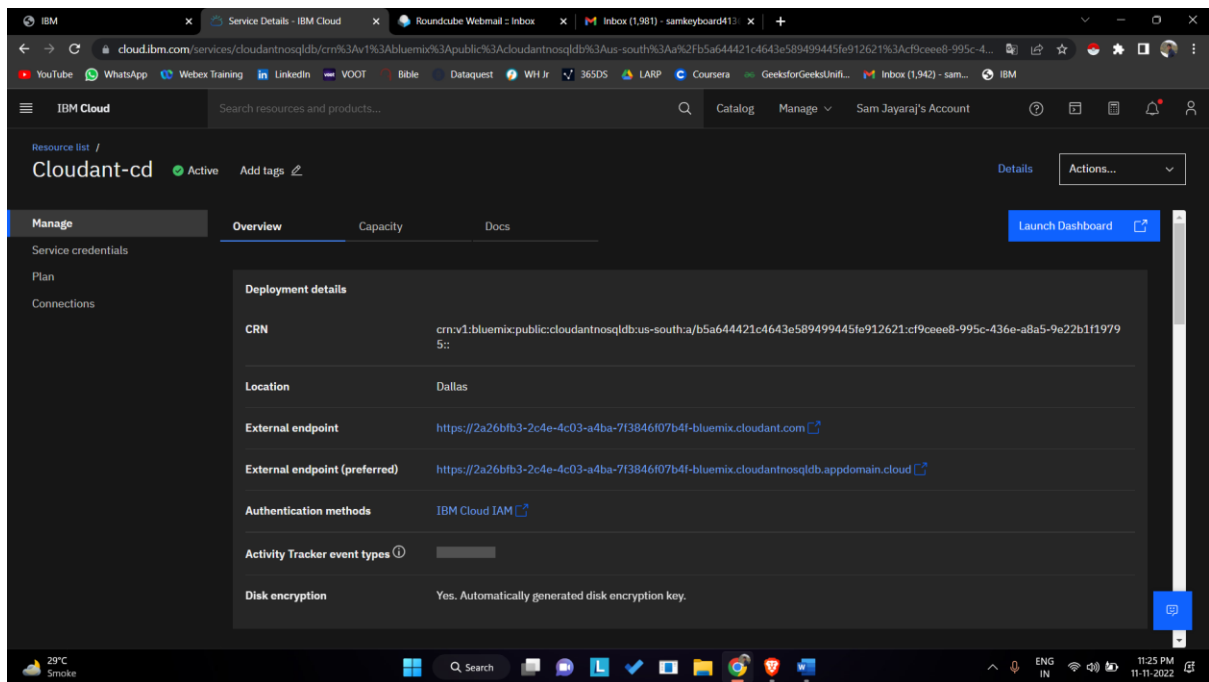
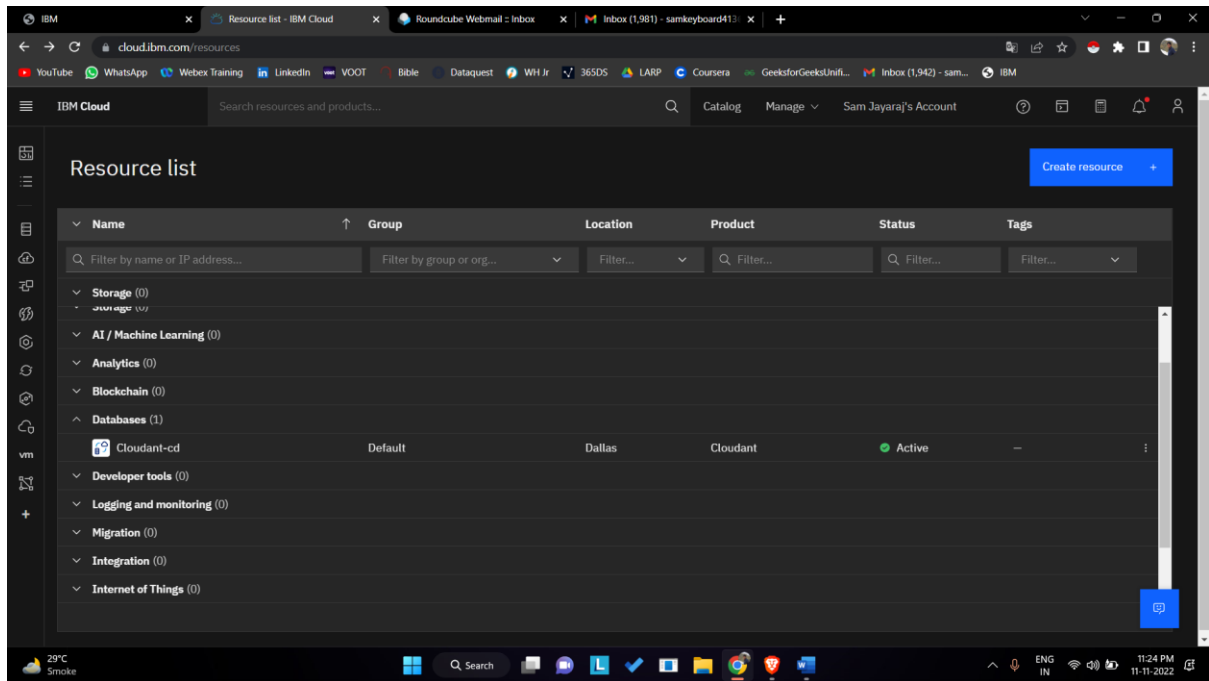
29°C Smoke

Search

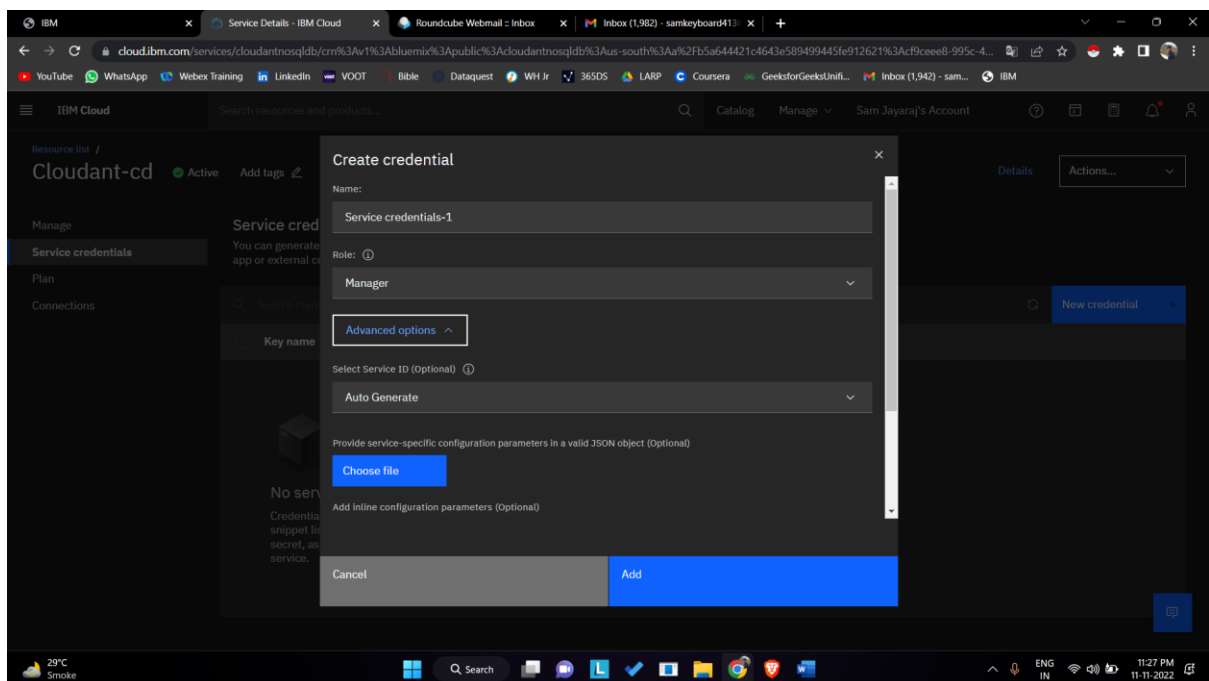
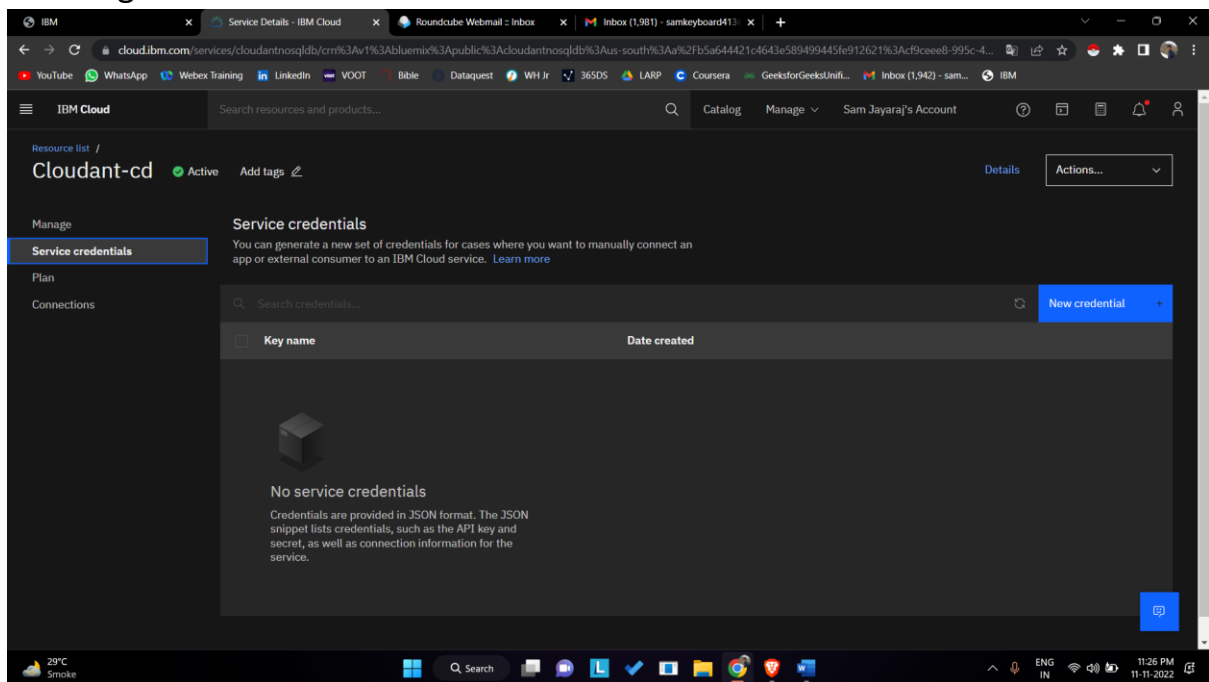
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Resource list activation



Creating Service Credentials



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Service Details - IBM Cloud

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+

cloud.ibm.com/services/cloudantnosqldb/crm%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aus-south%3Aa%2Fb5a644421c4643e589499445fe912621%3Ac9ceee8-995c-4...

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Resource list /

Cloudant-cdActiveAdd tags

DetailsActions...

Manage

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

Plan

Connections

Search credentials...

New credential

Key name	Date created
Service credentials-1	2022-11-11 11:25 PM

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Search

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IBM

Service Details - IBM Cloud

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cloud.ibm.com/services/cloudantnosqldb/crm%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aus-south%3Aa%2Fb5a644421c4643e589499445fe912621%3Ac9ceee8-995c-4...

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Resource list /

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Plan

Connections

Search credentials...

New credential

Key name	Date created
Service credentials-1	2022-11-11 11:25 PM

```
{
  "apikey": "pEAvYVbtb3ypTZ-1ewj5_0ki0P-EKN26B407b2LA861",
  "host": "2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudantnosqldb.appdomain.cloud",
  "iam_apikey_description": "Auto-generated for key crn:v1:bluemix:public:cloudantnosqldb:us-south:a/b5a644421c4643e589499445fe912621:cf9ceee8-995c-436e-a8a5-9e22b1f19795:resource-key:7bcc564d-7e0f-4eea-b03f-89bbda002fe4",
  "iam_apikey_name": "Service credentials-1",
  "iam_role_crn": "crn:v1:bluemix:public:iam:::serviceRole:Manager",
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity:a/b5a644421c4643e589499445fe912621:::serviceid:ServiceId-6d507c81-4f95-4205-9a44-04e105deef35",
  "url": "https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudantnosqldb.appdomain.cloud",
  "username": "2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix"
}
```

29°C Smoke

Search

ENG IN

11:27 PM 11-11-2022

Launching Cloudant DB

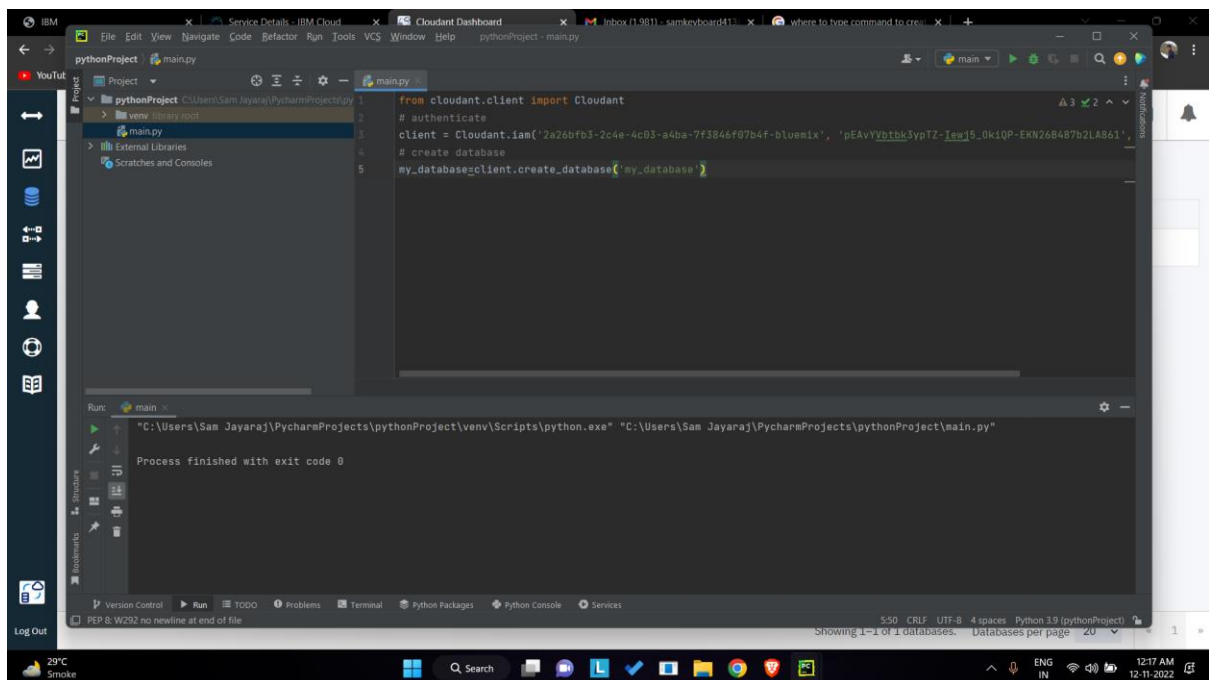
The screenshot shows the IBM Cloud console interface for a newly created Cloudant database. The browser address bar displays the URL: `cloud.ibm.com/services/cloudantnosqldb/crm%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aus-south%3Aa%2Fb5a644421c4643e589499445fe912621%3Ac9cee8-995c-4...`. The page title is "Cloudant-cd" with a green "Active" status and an "Add tags" link. The "Manage" tab is selected, showing a sidebar with "Service credentials", "Plan", and "Connections". The main content area displays "Deployment details" for a database named "crm".

Property	Value
CRN	crm:v1:bluemix:public:cloudantnosqldb:us-south:a/b5a644421c4643e589499445fe912621:c9cee8-995c-436e-a8a5-9e22b1f19795::
Location	Dallas
External endpoint	https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudant.com
External endpoint (preferred)	https://2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudantnosqldb.appdomain.cloud
Authentication methods	IBM Cloud IAM
Activity Tracker event types	Management
Disk encryption	Yes. Automatically generated disk encryption key.

The screenshot shows the IBM Cloudant Dashboard. The browser address bar displays the URL: `2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix.cloudant.com/dashboard.html`. The page title is "Databases". The "Your Databases" section is active, showing a table with columns: "Name", "Size", "# of Docs", "Partitioned", and "Actions". The table is currently empty. The bottom of the page shows a status bar: "Showing 1-0 of 0 databases. Databases per page 20".

Name	Size	# of Docs	Partitioned	Actions
------	------	-----------	-------------	---------

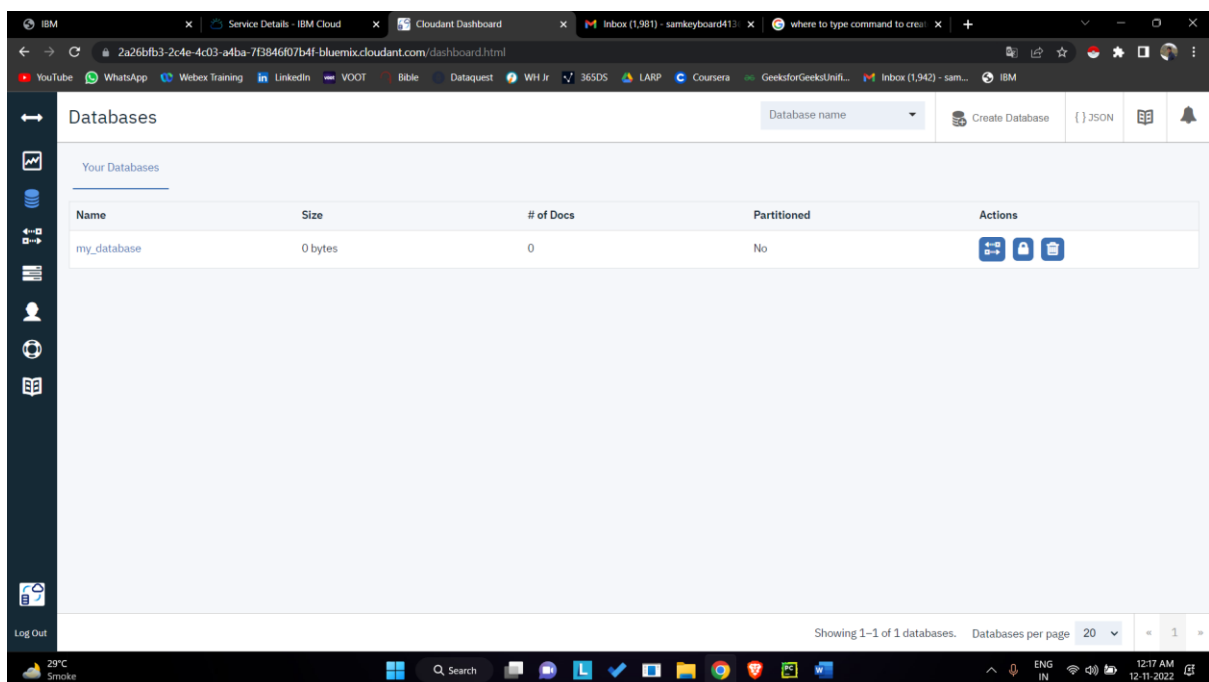
Creating Database



The screenshot shows the PyCharm IDE with a Python script in `main.py` that uses the `cloudant.client` library to create a database. The script is as follows:

```
1 from cloudant.client import Cloudant
2 # authenticate
3 client = Cloudant.Iam('2a26bfb3-2c4e-4c03-a4ba-7f3846f07b4f-bluemix', 'pEavYybtk3ypTZ-Iewj9_0k1QP-EKN268487b2LA861')
4 # create database
5 my_database=client.create_database('my_database')
```

The Run window at the bottom shows the command executed: `"C:\Users\Sam_Jayaraj\PycharmProjects\pythonProject\venv\Scripts\python.exe" "C:\Users\Sam_Jayaraj\PycharmProjects\pythonProject\main.py"`. The output indicates: `Process finished with exit code 0`.



The screenshot shows the Cloudant Dashboard 'Databases' page. The table below lists the databases:

Name	Size	# of Docs	Partitioned	Actions
my_database	0 bytes	0	No	+ - lock delete

At the bottom of the page, it says: `Showing 1-1 of 1 databases. Databases per page 20`.