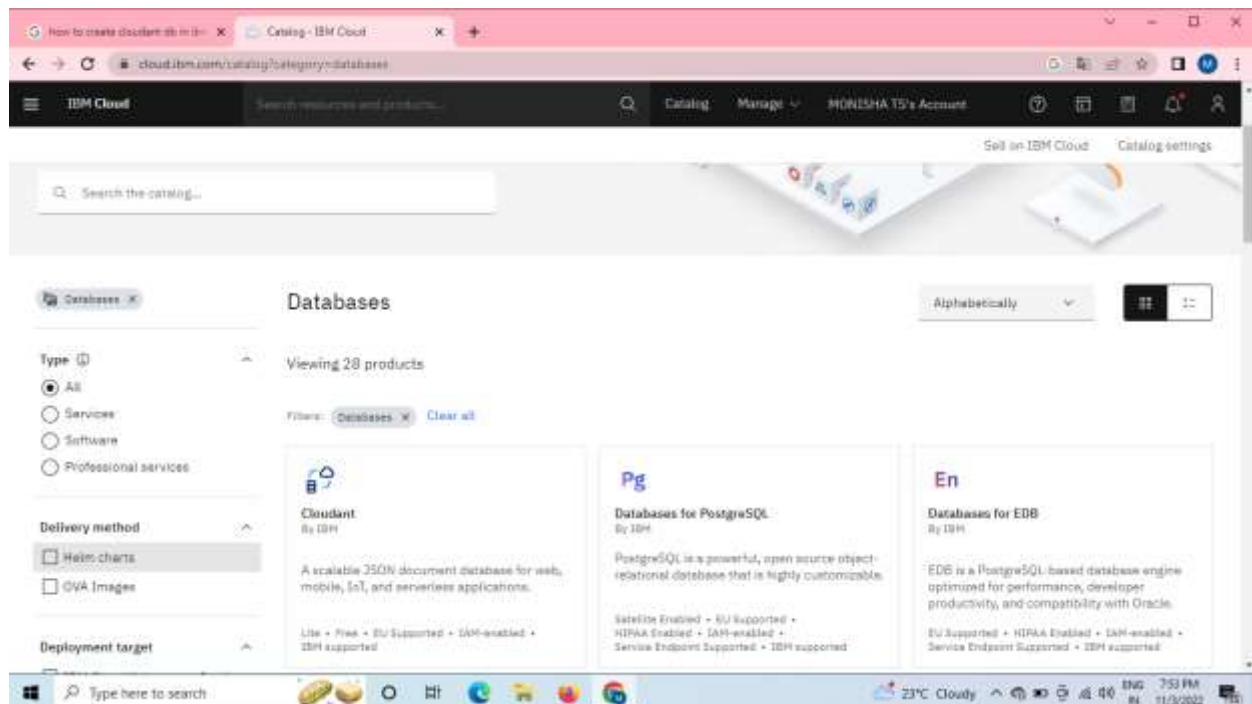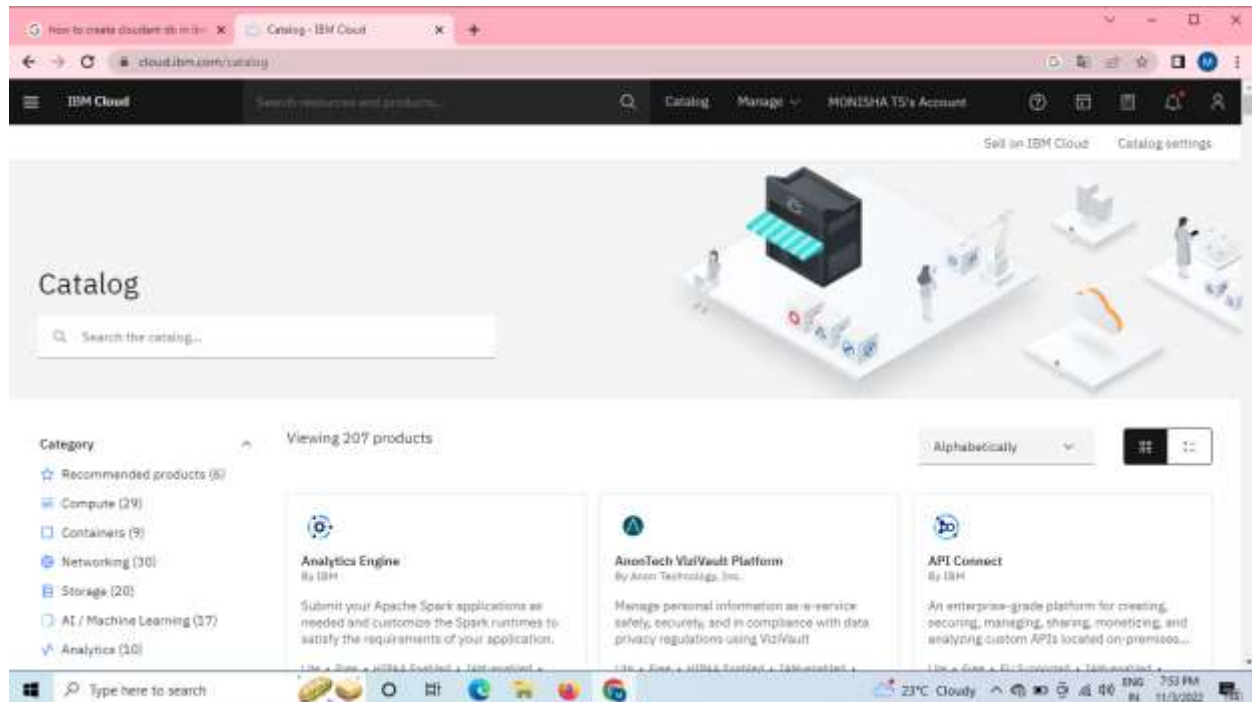| Team ID	PNT2022TMID40898
Project Name	Project –IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

CREATING A DATABASE IN CLOUDANT DB

← → C   cloud.ibm.com/resources

IBM Cloud   Search resources and products...   Q   Catalog   Manage ∨   MONISHA TS's Account

∨ Name	↑ Group	Location	Product	Status	Tags
Q Filter by name or IP address...	Filter by group or org... ∨	Filter... ∨	Q Filter...	Q Filter...	Filter... ∨

- ∨ Compute (0)
- ∨ Containers (0)
- ∨ Networking (0)
- ∨ Storage (0)
- ∨ AI / Machine Learning (0)
- ∨ Analytics (0)
- ∨ Blockchain (0)
- ∧ Databases (1)

| Cloudant-au | Default | London | Cloudant | ↻ Provision in pro... — | ⋮ |

- ∨ Developer tools (0)
- ∨ Logging and monitoring (0)

🔍 Type here to search   23°C Cloudy   ENG   8:11 PM   11/3/2022

← → C   cloud.ibm.com/services/cloudantnosqldb/crn%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aeu-gb%3Aa%2f0e2e401881c044569a5e0fcd1e0be...

IBM Cloud   Search resources and products...   Q   Catalog   Manage ∨   MONISHA TS's Account

Resource list /
Cloudant-au   ● Active   Add tags ✎   Details   Actions... ∨

Manage	Overview	Capacity	Docs	**Launch Dashboard** ⧉
Service credentials				
Plan				
Connections				

Deployment details

CRN   crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/0e2e401881c044569a5e0fcd2e0beaa9:4486e33f-9535-40e5-9f3c-1f0a9dad9b30::

Location   London

External endpoint   https://4ef4d2d0-46a0-40b2-8306-d84c315fd323-bluemix.cloudant.com ⧉

External endpoint (preferred)   https://4ef4d2d0-46a0-40b2-8306-d84c315fd323-bluemix.cloudantnosqldb.appdomain.cloud ⧉

Authentication methods   IBM Cloud IAM ⧉

Activity Tracker event types ⓘ   Management ∨   Save

🔍 Type here to search   23°C Cloudy   ENG   8:12 PM   11/3/2022

Screenshot 1:

Databases

Database name

Create Database | { } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions

Showing 1–0 of 0 databases   Databases per page 20

Type here to search   23°C Cloudy   8:16 PM 11/3/2022

Screenshot 2:

Databases

Database name

Create Database | { } JSON

Your Databases

Name	Size	# of Docs	Partitioned

Create Database

Database name

Monish

Partitioning

- Non-partitioned - recommended for most workloads
- Partitioned

> Which should I choose?

Cancel   Create

Showing 1–0 of 0 databa

Type here to search   23°C Cloudy   8:17 PM 11/3/2022

Screenshot 1

IBM Cloud | Products ⌄ | Solutions ⌄ | Pricing ⌄ | Docs | Support ⌄ | Explore more ⌄ | Console

Cloudant

Overview
- Introduction
- Endpoint URLs
- Authentication ⌄
- Auditing
- Event tracking
- Error handling ⌄
- Additional headers ⌄
- Rate limits
- Related APIs ⌄

Methods
- Server ⌄
- Databases ⌄

IBM Cloud API Docs / Cloudant

Introduction

Last updated: 2022-10-24

IBM® Cloudant® for IBM Cloud® is a document-oriented database as a service (DBaaS). It stores data as documents in JSON format. It is built with scalability, high availability, and durability in mind. It comes with a wide variety of indexing options that include MapReduce, IBM Cloudant Query, full-text indexing, and geospatial indexing. The replication capabilities make it easy to keep data in sync between database clusters, desktop PCs, and mobile devices.

Detailed documentation is also available such as a Getting started tutorial, API overview documentation, tutorials, and guides.

This documentation describes the SDKs and examples. To see usage information and examples in your preferred SDK, select the language tab in the right pane.

Endpoint URLs

The IBM Cloudant API uses an instance-specific endpoint URL for all regions. You can find your external endpoint by following these steps:

1. Go to the IBM Cloud dashboard and open an instance.
2. Click the Service credentials tab.

23°C Cloudy · ENG IN · 8:29 PM 11/3/2022

Screenshot 2

IBM Cloud | Products ⌄ | Solutions ⌄ | Pricing ⌄ | Docs | Support ⌄ | Explore more ⌄ | Console

- Server ⌄
- Databases ⌄
- Documents ⌄
- Design Documents ⌄
- Views ⌄
- Queries ⌄
- Searches ⌄
- Partitioned Databases ⌄
- Changes ⌄
- Replication ⌄
- Authentication ⌄
- Authorization ⌄
- CORS ⌄
- Attachments ⌄
- Local Documents ⌄
- Database Details ⌄

IBM Cloud API Docs / Cloudant

Curl | Java | Node | **Python** | Go

Introduction

Last updated: 2022-10-24

IBM® Cloudant® for IBM Cloud® is a document-oriented database as a service (DBaaS). It stores data as documents in JSON format. It is built with scalability, high availability, and durability in mind. It comes with a wide variety of indexing options that include MapReduce, IBM Cloudant Query, full-text indexing, and geospatial indexing. The replication capabilities make it easy to keep data in sync between database clusters, desktop PCs, and mobile devices.

Detailed documentation is also available such as a Getting started tutorial, API overview documentation, tutorials, and guides.

This documentation describes the Python SDK and examples. To see usage information and examples in your preferred SDK, select the language tab in the right pane.

The code examples on this tab use the IBM Cloudant SDK for Python.

Installation

`pip3 install ibmcloudant`

GitHub

https://github.com/ibm/cloudant-python-sdk

Endpoint URLs

The IBM Cloudant API uses an instance-specific endpoint URL for all regions. You can find your external endpoint by following these steps:

1. Go to the IBM Cloud dashboard and open an instance.
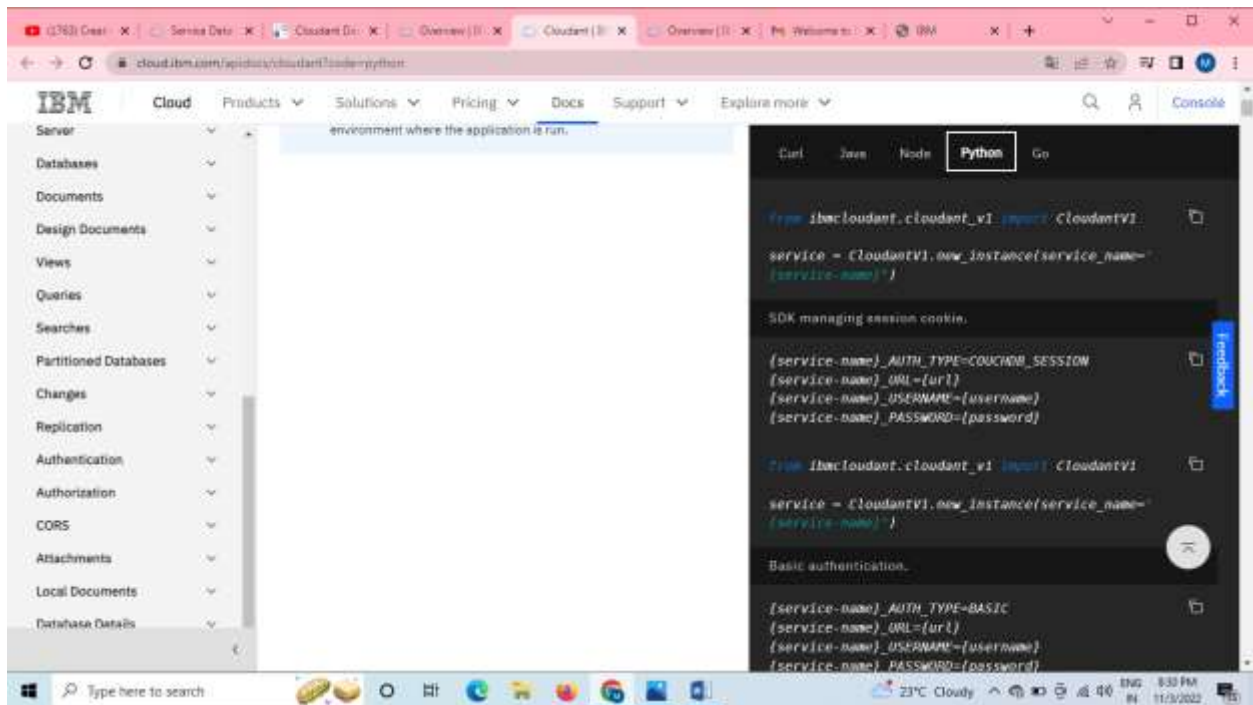2. Click the Service credentials tab.

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Thus we created database in cloudant DB