

# Create And Configure IBM Cloud Services

## Create A Database In Cloudbant DB

|               |  |
|---------------|--|
| Date          | 09 November 2022                               |
| Team ID       | PNT2022TMID28837                               |
| Project Name  | SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES |
| Maximum Marks | 8 Marks  |

The screenshot displays the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user profile (sivakumar chakali's Ac...). The main content area shows the details of a specific Cloudant database instance. The instance name is 'node-red-sgkfm-2022--cloudant-1667828316414', and its status is 'Active'. The left sidebar contains a 'Manage' tab with sub-options: Service credentials, Plan, and Connections. The main panel has tabs for Overview, Capacity, and Docs. The Overview tab is selected, showing deployment details such as CRN, Location (London), External endpoint, External endpoint (preferred), Authentication methods (IBM Cloud IAM and Cloudant credentials), Activity Tracker event types (Management), and Disk encryption (Yes). A 'Launch Dashboard' button is visible in the top right corner of the instance details panel. The bottom of the screen shows a Windows taskbar with the date 09-11-2022 and time 21:13.

Service Details - IBM Cloud x Cloudbant Dashboard x +

cloud.ibm.com/services/cloudantnosqldb/crn%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aeu-gb%3Aa%2F1d91122c640119ea52f8655b71337%3A92391c23-a3f7...

IBM Cloud Search resources and products... Catalog Manage sivakumar chakali's Ac...

Resource list / node-red-sgkfm-2022--cloudant-1667828316414 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/1d1fd91122c640119ea52f8655b71337:92391c23-a3f7-4013-8bc7-29bb3b8eb750::

Location London

External endpoint <https://2b47b303-7496-41d6-852e-fdb158612ac2-bluemix.cloudant.com>

External endpoint (preferred) <https://2b47b303-7496-41d6-852e-fdb158612ac2-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods IBM Cloud IAM and Cloudant credentials Migrate to IAM Only

Activity Tracker event types Management Save

Disk encryption Yes. Automatically generated disk encryption key.

Capacity details

27°C Mostly cloudy Search ENG IN 21:13 09-11-2022

Service Details - IBM Cloud

Cloudant Dashboard - \_all\_dbs

2b47b303-7496-41d6-852e-fdb158612ac2-bluemix.cloudant.com/dashboard.html#/\_all\_dbs

Databases

Database name

Create Database

{ } JSON

Your Databases

| Name                 | Size     | # of Docs | Partitioned | Actions     |
|----------------------|----------|-----------|-------------|-------------|
| kamesh               | 15 bytes | 1         | No          | <div></div> |
| noderedsgkfm20221107 | 15.9 KB  | 3         | No          | <div></div> |

Showing 1–2 of 2 databases. Databases per page: 20 1

Log Out

27°C Mostly cloudy

Search

ENG IN

21:21 09-11-2022

Service Details - IBM Cloud

Cloudant Dashboard - database:

2b47b303-7496-41d6-852e-fdb158612ac2-bluemix.cloudant.com/dashboard.html#database/kamesh/\_all\_docs

kamesh

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

Create Document

| id   | key                              | value                                     |
|--|----------------------------------|---|
| <div></div> 5ec38e4491650b0bad70ed82a639a9c6 | 5ec38e4491650b0bad70ed82a639a9c6 | { "rev": "1-d5c7d8c8cd216c66881e25afe..." |

Showing document 1 - 1. Documents per page: 20

Log Out

27°C Mostly cloudy

Search

ENG IN

21:20 09-11-2022

Service Details - IBM CloudCloudant Dashboard - \_all\_dbsCloudant | IBM Cloud API Docs

cloud.ibm.com/apidocs/cloudant?code=python#introduction

IBMCloudProductsSolutionsPricingDocsSupportExplore more

Cloudant

Overview

Introduction

Endpoint URLs

Authentication

Auditing

Event tracking

Error handling

Additional headers

Rate limits

Related APIs

Logging

Methods

Server

Databases

Documents

Design Documents

Views

Queries

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.

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.
3. Click the chevron next to the service credentials to open the credentials pane.
4. Copy the value from the `host` field and prefix it with the `https://` protocol. This value is the external endpoint.

For more information, see the [Locating your service credentials](#) tutorial.

Or you can copy your external endpoint by following these steps:

1. Go to the IBM Cloud dashboard and open an instance.
2. Under the Manage tab on the Overview page, see the External endpoint in the table.
3. Click **Copy** to copy the External endpoint. Paste the endpoint where you need your

CurlJavaNodePythonGo

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
```

Feedback

27°C Mostly cloudy

Search

ENG IN

21:26 09-11-2022







