

CREATING DATABASE IN CLOUDANT DB

Team ID	PNT2022TMID40888
Project	IoT Enabled-Personal Assistance for Seniors Who are Self Reliant

CLOUDANT DB:

Catalog - IBM Cloud

Cloudant - IBM Cloud

+

cloud.ibm.com/catalog/services/cloudant

IBM Cloud

Search resources and products...

Catalog

Manage

JAYARAHUL V's Account

Cloudant-e3

Default

Tags

Examples: env:dev, version-1

Authentication method

IAM and legacy credentials

Plan

Lite

Full functionality for development and evaluation with a set capacity. Only one Lite plan instance per account.

Free - Only in multi-tenant

Standard

Granular control over provisioned throughput capacity allocated. Billing prorated hourly.

Starting at \$75.00/month

Summary

1 Cloudant Lite

Free

20 Reads/sec

Free

10 Writes/sec

Free

5 Global Queries/sec

Free

1 GB Storage

Included

Create

Add to estimate

Catalog - IBM Cloud

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IBM Cloud

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Free - Only in multi-tenant

Starting at \$75.00/month

Capacity

20 Reads per second

10 Writes per second

5 Queries per second

1 GB Storage included

Cost calculator

Focus sentinel

Give us your feedback

X

Tell us about your experience

0/1500

Summary

1 Cloudant Lite

Free

20 Reads/sec

Free

10 Writes/sec

Free

5 Global Queries/sec

Free

1 GB Storage

Included

Creating instance...

Create

Add to estimate

Resource list /

Cloudant-e3

Active

Add tags

Details

Actions...

Manage

Service credentials

Plan

Connections

Overview

Capacity

Docs

Launch Dashboard

Deployment details

CRN crn:v1:bluemix:public:cloudantnosqldb:au-syd:a/ea094c9815a7459a84635dba6dc91833:9d05e18b-7b58-4cf4-a8a8-be48ef8ff537::

Location Sydney

External endpoint <https://72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudant.com>

External endpoint (preferred) <https://72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods [IBM Cloud IAM](#) and [Cloudant credentials](#)

Migrate to IAM Only

Activity Tracker event types

Manage

Service credentials

Plan



Connections

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 +

<input type="checkbox"/>	Key name	Date created	
<input checked="" type="checkbox"/>	Service credentials-1	2022-11-02 10:43 AM	 
<pre>{ "apikey": "FXtyY0u2XC1mUgfaVauc3vB0wCxE3Li0qLFAPmjLVtHX", "host": "72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudantnosqldb.appdomain.cloud", "iam_apikey_description": "Auto-generated for key crn:v1:bluemix:public:cloudantnosqldb:au-syd:a/ea094c9815a7459a84635dba6dc91833:9d05e18b-7b58-4cf4-a8a8-be48ef8ff537:resource-key:90075ccf-e7ef-4d99-8f28-084773c88f8a", "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/ea094c9815a7459a84635dba6dc91833::serviceid:ServiceId-4af40649-3dba-4403-8f2d-178ce1d8ac4d", "password": "1d1232f266dc1640a30408045384a500", "port": 443, "url": "https://apikey-v2-za3c2ze4i66c1d4q9mkwxp2inpv15aber8fpggfifr:1d1232f266dc1640a30408045384a500@72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudantnosqldb.appdomain.cloud", "username": "apikey-v2-za3c2ze4i66c1d4q9mkwxp2inpv15aber8fpggfifr" }</pre>			

Catalog - IBM Cloud x Service Details - IBM Cloud x Cloudant Dashboard x +

72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudant.com/dashboard.html

Databases

Database name

Create Database {} JSON

Creating database.

Database name

jayarahul

Partitioning

☒ Non-partitioned - recommended for most workloads

☐ Partitioned

> Which should I choose?

Cancel Create

Showing 1-0 of 0 databa

Catalog - IBM Cloud x Service Details - IBM Cloud x Cloudant Dashboard - database/ x +

72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudant.com/dashboard.html#database/jayarahul/_new

jayarahul > New Document

{} JSON

Saving... Cancel

```
1 {
2   "_id": "74d4add8e223868a67a218e3e5588689",
3   "new": "PMT2022TMD40888"
4 }
```

72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudant.com/dashboard.html#database/jayarahul/_all_docs

Document ID Options {} JSON

All Documents Query Permissions Changes Design Documents

Table Metadata {} JSON Create Document




	id	key	value
<input type="checkbox"/>	346d7ba10fdb8a8575544f5da1598e...	346d7ba10fdb8a8575544f5da1598e...	{"rev": "1-8ef4600b961783f2a66bc0..."}

Showing document 1 - 1. Documents per page: 20

72e7085b-0c30-48c4-9eb9-3b9a5e2c2c0c-bluemix.cloudant.com/dashboard.html#/_all_dbs

Databases Database name Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
jayarahul	26 bytes	1	No	  

Showing 1-1 of 1 databases. Databases per page 20

Catalog - IBM Cl... Service Details - Cloudant Dashbo... Cloudant | IBM C... https://72e7085... dataset - ganga... Convert Excel to... +

cloud.ibm.com/apidocs/cloudant#getalldbs

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Cloudant

Overview

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

Methods

- Server
- Databases

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.
3. Click the [API key](#) link to the service credentials to open the credentials page.

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

IBM Cloud

Console

Curl Java Node **Python** Go

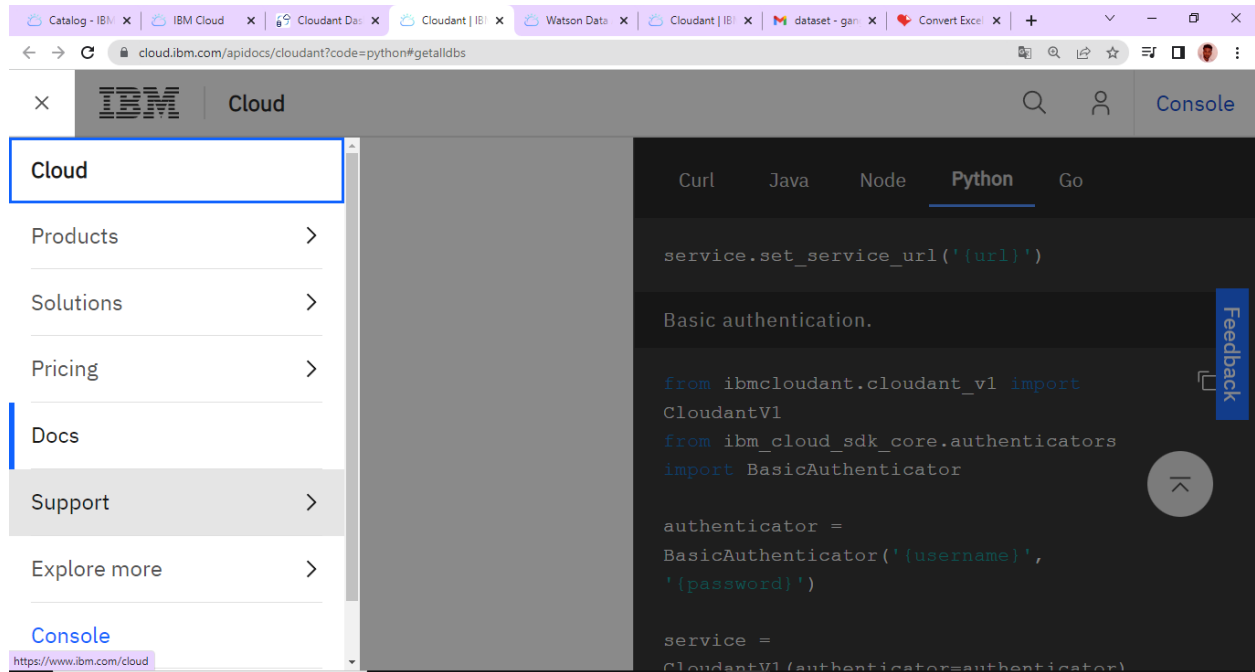
```
service.set_service_url('{url}')
```

Basic authentication.

```
from ibmcloudant.cloudant_v1 import CloudantV1
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('{username}', '{password}')

service =
```



Hence, the Database in The Cloudant is created successfully .