

CREATE A CLOUDANT DATABASE SERVICES

DATE	15 NOVEMBER 2022
TEAM ID	PNT2022TMID48664
PROJECT NAME	Personal Assistance for Seniors Who Are Self-Reliant
MAX MARKS	2 Marks

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Service Details - IBM x Cloudant Dashboard x

Secure | <https://3a440092-ec37-4ec3-8410-b1eb9a5c7ded-bluemix.cloudant.com/dashboard.html>

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Databases

Database name ▾

Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned
nodered	17.1 KB	4	No

Showing 1-1 of 1 database

Create Database

Database name
test

Partitioning

☐ Non-partitioned - recommended for most workloads

☒ Partitioned

> Which should I choose?

Cancel Create

Log Out

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test

No partition selected

Document ID

Options {} JSON

Create Document

All Documents +

Query

Permissions

Changes

Design Documents +

No Documents Found

Showing 0 documents. Documents per page: 20

Log Out

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Secure | https://3a440092-ec37-4ec3-8410-b1eb9a5c7ded-bluemix.cloudant.com/dashboard.html#database/test/_new

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test > New Document

Create Document Cancel

```
1 {
2   "_id": ":48a5a9531e57c6f5474a1167865ffca3"
3   "test": "abcd"
4 }
```

Log Out

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Service Details - IBM x Cloudant Dashboard x







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Databases

Database name ▾ Create Database {} JSON 📖 🔔

Your Databases

Name	Size	# of Docs	Partitioned	Actions
nodered	17.1 KB	4	No	  
test	0 bytes	0	Yes	  

Showing 1–2 of 2 databases. Databases per page 20 ▾ « 1 »

Log Out IBMCloudant-6630043NY3

[Downloads] [node red creation.odt - LibreOffi...] Cloudant Dashboard - _all_dbs - ... 1 / 2

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Service Details - IBM x Cloudant Dashboard x

Secure https://3a440092-ec37-4ec3-8410-b1eb9a5c7ded-bluemix.cloudant.com/dashboard.html#database/sample/_all_docs

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sample

Document ID ▾ Options {} JSON 📖 🔔

All Documents +

Query

Permissions

Changes

Design Documents +

Database created successfully

No Documents Found

Showing 0 documents. Documents per page: 20 ▾ < >

Log Out IBMCloudant-6630043NY3

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Service Details - IBM Cloudant Dashboard x

Secure https://3a440092-ec37-4ec3-8410-b1eb9a5c7ded-bluemix.cloudant.com/dashboard.html#database/sample/_all_docs

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sample

Document ID Options {} JSON

Monitoring Databases Replication Active Tasks Account Support Documentation IBM Cloudant

All Documents +

Query Permissions Changes Design Documents +

Document saved successfully.

id	key	value
1eb940130a601b6191320f2c...	1eb940130a601b6191320f2c...	{"rev": "1-4dbd80ab6e655d7..."}

Showing document 1 - 1. Documents per page: 20 1 / 2

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Service Details - IBM Cloudant Dashboard x

Secure https://3a440092-ec37-4ec3-8410-b1eb9a5c7ded-bluemix.cloudant.com/dashboard.html#database/sample/_all_docs

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sample

Document ID Options {} JSON Create Document

Monitoring Databases Replication Active Tasks Account Support Documentation IBM Cloudant Log Out IBMId-6630043NY3

All Documents +

Query Permissions Changes Design Documents +

id	key	value
1eb940130a601b6191320f2c...	1eb940130a601b6191320f2c...	{"rev": "1-4dbd80ab6e655d7..."}

Showing document 1 - 1. Documents per page: 20 1 / 2

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Service Details - IBM x Cloudant Dashboard x










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Databases

Database name ▾ Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
nodered	17.1 KB	4	No	  
sample	14 bytes	1	No	  
test	0 bytes	0	Yes	  

Showing 1–3 of 3 databases. Databases per page 20 ▾ « 1 »

Log Out IBMId-6630043NY3

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Secure | <https://cloud.ibm.com/apidocs/cloudant#getalldbs>

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IBM Cloud API Docs / Cloudant

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- Server ▾

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. Create the IBM Cloudant database and access system

Curl Java Node Python Go Console

Feedback

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Cloudant

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IBM Cloud API Docs / Cloudant

Introduction

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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 CLI to find the endpoint URL.

Curl Java Node Python Go Console

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>

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Secure | <https://cloud.ibm.com/apidocs/cloudant?code=python#programmatic-authentication>

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Programmatic authentication

In this scenario, authentication is configured by constructing an authenticator instance, supplying the configuration attributes programmatically, and then passing this instance to a client constructor.

☒ **Tip:** If you are using the IBM Cloud App Service, IBM Cloud® Continuous Delivery or IBM Cloud starter kits then you can programmatically configure your SDK using the [IBMCloudEnv](#) tool to obtain the configuration information from bound services. The [IBMCloudEnv](#) tool is available for [Go](#), [Java](#) & [trade \(Spring\)](#), [Node.js](#), and [Python](#).

Curl Java Node Python Go Console

SDK managing the API token.

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

authenticator = IAMAuthenticator('{apikey}')

service = CloudantV1(authenticator=authenticator)

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

SDK managing session cookie.

```
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator

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

service = CloudantV1(authenticator=authenticator)

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

Feedback

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Curl Java Node **Python** Go Console

```
SDK managing the API token.  
  
from ibmcloudant.cloudant_v1 import CloudantV1  
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator  
  
authenticator = IAMAuthenticator('{apikey}')  
  
service = CloudantV1(authenticator=authenticator)  
  
service.set_service_url('{url}')  
  
SDK managing session cookie.  
  
from ibmcloudant.cloudant_v1 import CloudantV1  
from ibmcloudant import CouchDbSessionAuthenticator  
  
authenticator = CouchDbSessionAuthenticator('{username}',  
                                           '{password}')  
  
service = CloudantV1(authenticator=authenticator)  
  
service.set_service_url('{url}')
```

Feedback

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Secure | <https://cloud.ibm.com/apidocs/cloudant?code=python#programmatic-authentication>

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Curl Java Node **Python** Go Console

```
SDK managing the API token.  
  
from ibmcloudant.cloudant_v1 import CloudantV1  
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator  
  
authenticator = IAMAuthenticator('{apikey}')  
  
service = CloudantV1(authenticator=authenticator)  
  
service.set_service_url('{url}')  
  
SDK managing session cookie.  
  
from ibmcloudant.cloudant_v1 import CloudantV1  
from ibmcloudant import CouchDbSessionAuthenticator  
  
authenticator = CouchDbSessionAuthenticator('{username}',  
                                           '{password}')  
  
service = CloudantV1(authenticator=authenticator)  
  
service.set_service_url('{url}')
```

Feedback

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CONCLUSION:

Hence we created cloudant database services.