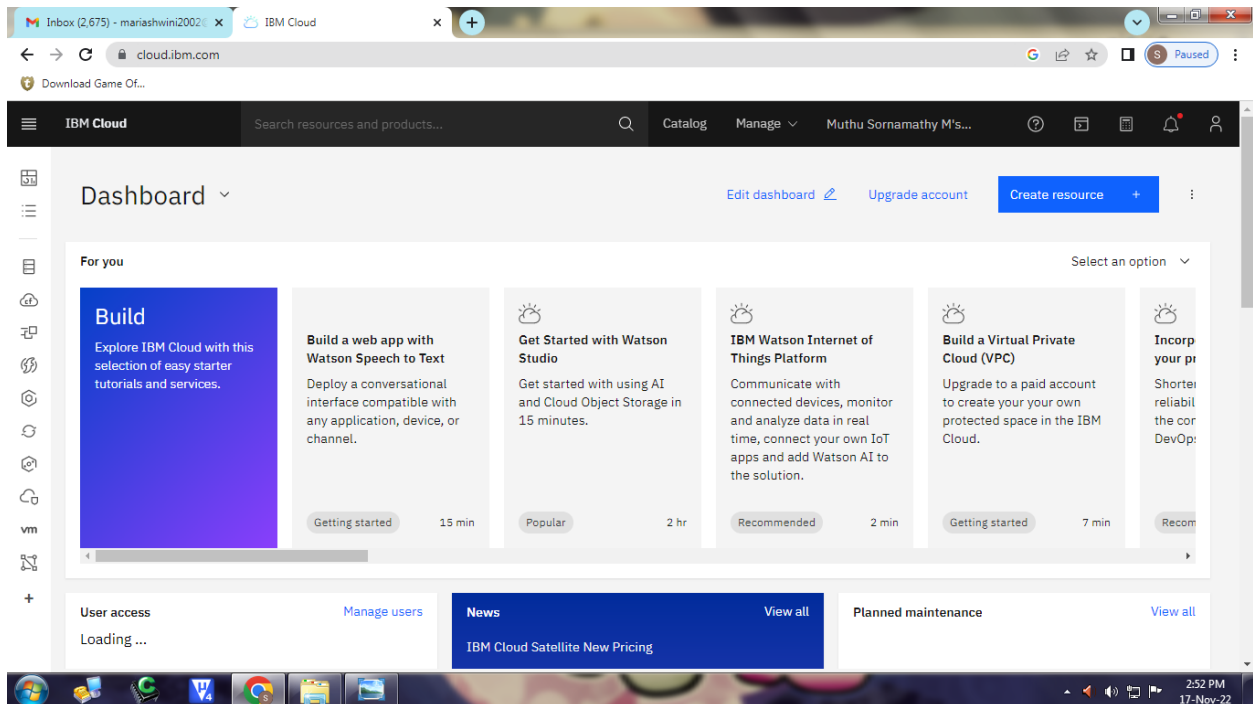


TEAM ID	PNT2022TMID33862
PROJECT NAME	IOT BASED SAFETY GADGETS FOR CHILD SAFETY AND MONITORING

CREATING A DATABASE IN CLOUDANT DB



Service Details - IBM Cloud

cloud.ibm.com/services/cloudantnosqldb/crn%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aeu-gb%3Aa%2Faa%2Cd66d88d74dbfb4b9aea119b8e6f...

IBM Cloud

Search resources and products...

Catalog Manage Muthu Sornamathy M's...

Resource list / Cloudant-fg Active Add tags

Details Actions...

Manage Overview Capacity Docs

Service credentials Plan Connections

Launch Dashboard

Deployment details

CRN crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/aa4cd66d88d74dbfb4b9aea119b8e6f7:19b6d734-f4a3-457b-9ca1-1c94e9009e15::

Location London

External endpoint <https://d568ad6b-0b4c-4941-afb3-5e4c33ff8d0e-bluemix.cloudant.com>

External endpoint (preferred) <https://d568ad6b-0b4c-4941-afb3-5e4c33ff8d0e-bluemix.cloudantnosqldb.appdomain.cloud>

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

Activity Tracker event types Management

2:53 PM 17-Nov-22

Service Details - IBM Cloud Cloudant Dashboard - database IBM App Development (no subject) - ashazethuraj06 Node-RED : node-red-ludiy-2

d568ad6b-0b4c-4941-afb3-5e4c33ff8d0e-bluemix.cloudant.com/dashboard.html#database/sample/_new

sample > New Document {} JSON

Create Document Cancel

```
1 {
2   "_id": "c0c4d71c4a68fd8bf7e695112b04611b",
3   "new": "abcd"
4 }
```

Log Out

1:04 PM 17-Nov-22

Service Details - IBM Cloud x Cloudant Dashboard - databa: x IBM App Development x (no subject) - ashasethuraj06@ x Node-RED : node-red-ludiy-2 x

d568ad6b-0b4c-4941-afb3-5e4c33ff8d0e-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 +

Log Out

Table Metadata {} JSON

Create Document

id	key	value
b6b26d7ffdb47e562dbb0c13561bf0fc	b6b26d7ffdb47e562dbb0c13561bf0fc	{ "rev": "1-4dbd80ab6e655d7ba1af92..." }

Showing document 1 - 1. Documents per page: 20

1:05 PM 17-Nov-22

Service Details - IBM Cloud x Cloudant Dashboard - _all_dbs x IBM App Development x (no subject) - ashasethuraj06@ x Node-RED : node-red-ludiy-2 x

d568ad6b-0b4c-4941-afb3-5e4c33ff8d0e-bluemix.cloudant.com/dashboard.html#/_all_dbs




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Databases

Database name

Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
sample	16 bytes	1	No	  

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

1:07 PM 17-Nov-22

Service Details - IBM x Cloudant Dashbo x Cloudant | IBM Cl x Cloudant | IBM Cl x IBM App Develop x (no subject) - ash x Node-RED : node x +

cloud.ibm.com/apidocs/cloudant#introduction

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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.

Curl Java Node Python Go

Feedback

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Authentication

In this scenario, the configuration is defined with an external credentials file and an authenticator that is constructed by SDK's authenticator factory during client initialization. Using the external credentials file avoids hardcoded credentials within the application code.

The default name of the credentials file is `ibm-credentials.env`. It is expected to be located in either the current directory or in the user's home directory. The path and name of the file can be controlled by using the `IBM_CREDENTIALS_FILE` environment variable.

Cloudant configuration properties start with a chosen service name prefix that identifies your service. By default it is `CLOUDANT`.

If you would like to rename your Cloudant service from `CLOUDANT`, or use multiple services at the same time you must use your defined service name as the prefix for all of your Cloudant related configuration properties. You also must use the same service name at instantiating your service.

This way each configuration property contains the service name along with the actual attribute name in the form `<service-name>_<attribute-name>` (for example `CLOUDANT_APIKEY`).

☒ Tip: It is not necessary to use a .env file. These properties can be set by using environment variables with the same name in the environment where the application is run.

Curl Java Node Python Go

Table 1. Variable signing guide

Attribute name	Description
<code>{apikey}</code>	IAM API key
<code>{username}</code>	Cloudant username
<code>{password}</code>	Cloudant password
<code>{url}</code>	URL of Cloudant instance
<code>{service-name}</code>	Chosen service name of your Cloudant instance. Same as the prefix of your configuration properties. Default value is <code>CLOUDANT</code> .

SDK managing the IAM token. Replace `{apikey}` and `{url}`.

```
{service-name}_URL={url}
{service-name}_APIKEY={apikey}
```

Feedback

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example `CLOUDANT_APIKEY`.

☒ Tip: It is not necessary to use a .env file. These properties can be set by using environment variables with the same name in the environment where the application is run.

Curl Java Node **Python** Go

SDK managing the IAM token. Replace {apikey} and {url}.

```
{service-name}_URL={url}
{service-name}_APIKEY={apikey}

from ibmcloudant.cloudant_v1 import CloudantV1

service = CloudantV1.new_instance(service_name="{service-name}")
```

SDK managing session cookie.

```
{service-name}_AUTH_TYPE=COUCHDB_SESSION
{service-name}_URL={url}
{service-name}_USERNAME={username}
{service-name}_PASSWORD={password}

from ibmcloudant.cloudant_v1 import CloudantV1

service = CloudantV1.new_instance(service_name="{service-name}")
```

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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

SDK managing the IAM 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

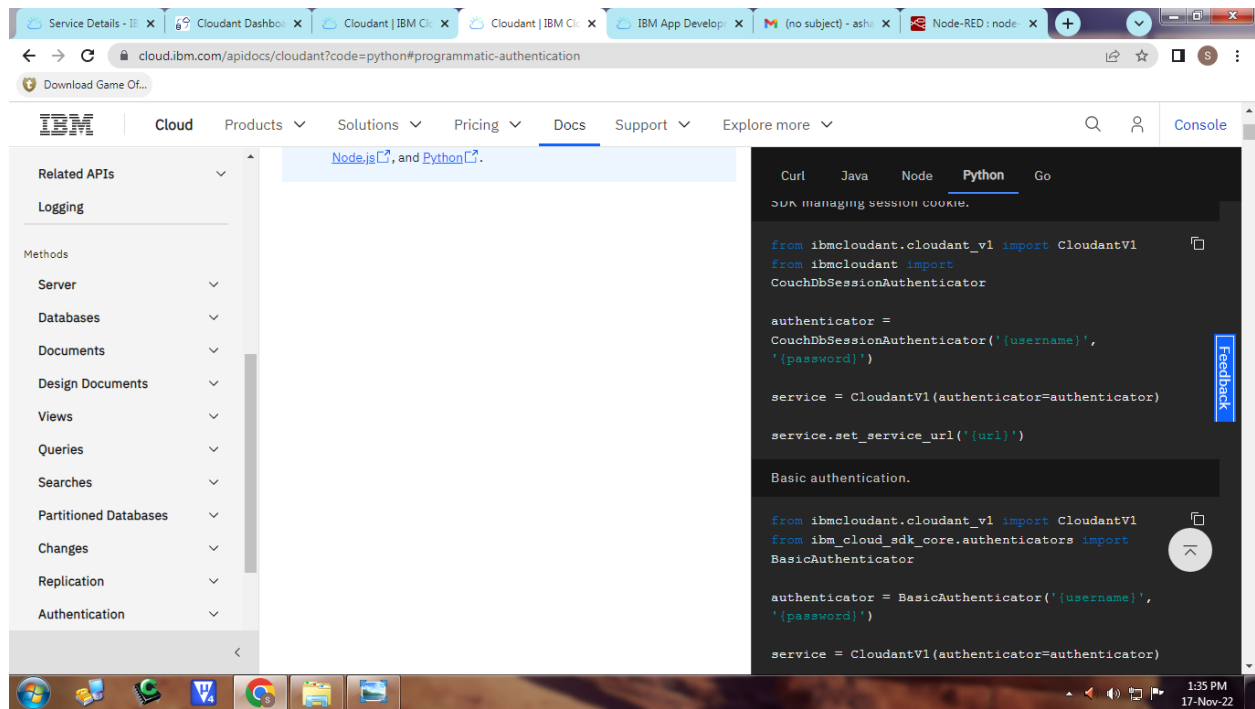
authenticator = CouchDbSessionAuthenticator('{username}', '{password}')

service = CloudantV1(authenticator=authenticator)

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

Feedback

1:43 PM 17-Nov-22



A database to store the location data was created successfully on Cloudant DB.