

CLOUDANT DATABASE:

The image shows two screenshots of the IBM Cloudant console interface.

Top Screenshot: Cloudant-5f Overview

The top screenshot displays the 'Cloudant-5f' resource page in the IBM Cloud console. The 'Overview' tab is selected, showing deployment details:

- CRN:** crn:1:bluemixpublic:cloudantnosql:ca-syda/7c9a873c1514ba29a74a308f2349051b616ac4ac3-4baa-9f2b-b6303a91a439::
- Location:** Sydney
- External endpoint:** <https://5d6d622-3027-4a17-8c15-d671c39a3ce-bluemix.cloudant.com>
- External endpoint (preferred):** <https://5d6d622-3027-4a17-8c15-d671c39a3ce-bluemix.cloudantnosqlb.appdomain.cloud>
- Authentication methods:** IBM Cloud IAM
- Activity Tracker event types:** Management & Data (with a 'Save' button)
- Disk encryption:** Yes, Automatically generated disk encryption key.

Bottom Screenshot: Databases List

The bottom screenshot shows the 'Databases' section of the Cloudant console. A table lists the databases:

Name	Size	# of Docs	Partitioned	Actions
sample	48 bytes	2	No	[Settings] [Lock] [Refresh]

At the bottom of the table, it says 'Showing 1-1 of 1 databases. Databases per page: 20'. The page number '1' is also visible.

Service Detail - BM Cloud x Cloudant Dashboard - _all_docs x Cloudant | BM Cloud API Docs x BM/cloudant-python-sdk Docs x Cloudant Dashboard x

165de622-3827-4ef7-8c15-d671c29e2ce-blazemio.cloudant.com/dashboard/html/database/sample_all_docs

sample Document ID Options JSON

All Documents Query Permissions Changes Design Documents

Table Metadata JSON Create Document

	id	key	value
	1113422b5255c290a29041db63221f2	1113422b5255c290a29041db63221f2	{ "rev": "1-4db68ab6e455d7ba2a92bca6963..." }

Showing document 1-1. Documents per page: 20

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The screenshot shows a web browser window with multiple tabs. The active tab is titled "cloud.ibm.com/apidocs/cloudant/code-python#introduction". The page is the IBM Cloudant documentation for the Python SDK. On the left is a navigation sidebar with sections like "overview", "Introduction", "Endpoint URLs", "Authentication", "Auditing", "Event tracking", "Error handling", "Additional headers", "Rate limits", "Related APIs", "Logging", "methods", "Server", and "Databases". The main content area has a "title / Cloudant" header, followed by an "Introduction" section with a "lastUpdated" timestamp. The introduction text describes IBM Cloudant as a document-oriented database as a service (DBaaS) that stores data in JSON format. It mentions various indexing options like MapReduce, IBM Cloudant Query, full-text indexing, and geospatial indexing. It also notes that detailed documentation is available as a "Getting started tutorial", "API overview", "documentation, tutorials, and guides". Below this, it states that the documentation describes the Python SDK and examples, and instructs users to select a language tab in the right pane. The "Endpoint URLs" section follows, explaining that the IBM Cloudant API uses an instance-specific endpoint URL and provides a four-step guide to find it. On the right side, there are tabs for "Curl", "Java", "Node", "Python", and "Go", with "Python" currently selected. Below the tabs, a message states: "The code examples on this tab use the IBM Cloudant SDK for Python." Under the "Installation" heading, the command `pip3 install ibmcloudant` is shown. A "GitHub" link is provided with the URL <https://github.com/ibm/cloudant-python-sdk>. A vertical "Feedback" button is on the far right of the code examples. At the bottom of the browser window, a "SOURCE CODE2.pdf" download bar is visible. The Windows taskbar at the very bottom shows the date as 11/11/2022 and the time as 9:21.

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cloud.ibm.com/apidocs/cloudant/code-python#introduction

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Introduction

lastUpdated

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 `hosts` field and prefix it with the `https://` protocol. This value is

Curl Java Node Python Go

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

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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 [ibmcloudauth](#) tool to obtain the configuration information from bound services. The [ibmcloudauth](#) tool is available for [Go](#), [Java](#), [JavaScript](#), [Spring](#), [Node.js](#), and [Python](#).

CurlJavaNodePythonGo

```
from ibmcloudant.cloudant_v1 import CloudantV1

service = CloudantV1.new_instance(service_name='(service-name)')

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('(sessionid)')
```

Feedback

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Windows Taskbar Icons

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