

## CREATE A DATABASE IN CLOUDANT DB

Date	28/8/2022
Team ID	PNT2022TMID21741
Project Name	Project – IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

### STEP 1

The screenshot shows the Cloudant Databases management interface. On the left is a dark sidebar with various icons. The main content area has a header 'Databases' with a user profile icon and a 'Database name' dropdown. Below this is a table titled 'Your Databases' with columns: Name, Size, # of Docs, Partitioned, and Actions. The table is empty. At the bottom right, it indicates 'Showing 1-0 of 0 databases. Databases per page: 20'.

### STEP 2

The screenshot shows the Cloudant Documents management interface. On the left is a dark sidebar with various icons. The main content area has a header with a user profile icon and a 'Document ID' dropdown. Below this is a section titled 'All Documents' with a '+ Add' button. The main area displays a large cloud icon and the text 'No Documents Found'. At the bottom right, it indicates 'Showing 0 documents. Documents per page: 20'.

### STEP 3

The screenshot shows the 'New Document' interface. At the top, there's a user profile icon and the text 'sample > New Document'. Below this, there's a 'Create Document' button and a 'Cancel' button. The main area is a text editor with a line number 1 and a JSON snippet: `"_id": "15afd16f55749da01f20dad7c3f2ae7f"`. The sidebar on the left contains various icons for navigation, including a 'Log Out' button at the bottom.

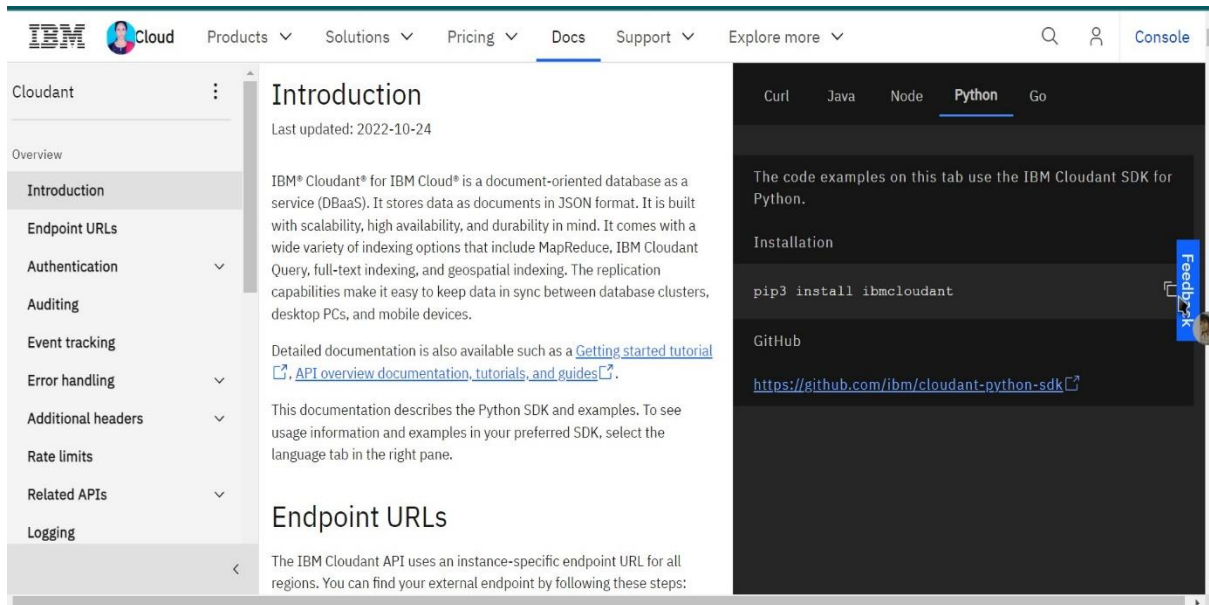
### STEP 4

The screenshot shows the document management interface. The top bar includes a 'Document ID' dropdown, 'Options', 'JSON', and a notification bell. The sidebar on the left has navigation options: 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area displays a table with columns 'id', 'key', and 'value'. The table contains one document with the following details:

id	key	value
15afd16f55749da01f20dad7c3f...	15afd16f55749da01f20dad7c3f...	{ "rev": "1-4dbd80ab6e655d7ba1..." }

At the bottom, there's a status bar showing 'Showing document 1 - 1' and 'Documents per page: 20'.

## STEP 5



The screenshot shows the IBM Cloud documentation page for Cloudant. The left sidebar contains a navigation menu with items like Overview, Introduction, Endpoint URLs, Authentication, Auditing, Event tracking, Error handling, Additional headers, Rate limits, Related APIs, and Logging. The main content area is titled "Introduction" and includes a paragraph about IBM Cloudant as a document-oriented database. It also mentions that detailed documentation is available as a "Getting started tutorial" and provides links to API overview documentation, tutorials, and guides. Below this, there is a section titled "Endpoint URLs" which states that the IBM Cloudant API uses an instance-specific endpoint URL for all regions. On the right side, there is a tabbed interface with tabs for Curl, Java, Node, Python, and Go. The Python tab is selected, showing code examples for installation and usage. A "Feedback" button is visible on the right side of the code examples.

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Additional headers

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### 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:

Curl Java Node **Python** Go

The code examples on this tab use the IBM Cloudant SDK for Python.

Installation

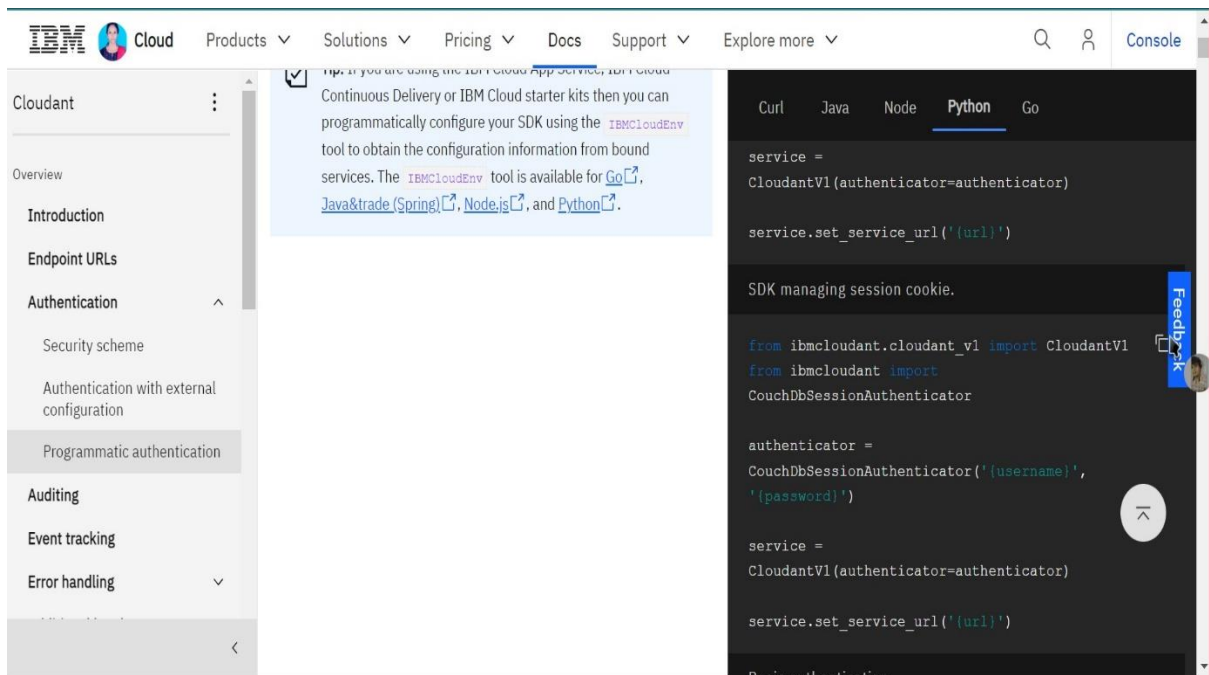
```
pip3 install ibmcloudant
```

GitHub

<https://github.com/ibm/cloudant-python-sdk>

Feedback

## STEP 6



The screenshot shows the IBM Cloud documentation page for Cloudant, specifically the Authentication section. The left sidebar contains a navigation menu with items like Overview, Introduction, Endpoint URLs, Authentication, Auditing, Event tracking, and Error handling. The Authentication section is expanded, showing sub-items like Security scheme, Authentication with external configuration, and Programmatic authentication. The main content area is titled "Authentication" and includes a paragraph about how to use the IBM Cloud App Service, IBM Cloud Continuous Delivery or IBM Cloud starter kits to programmatically configure the SDK using the IBMCloudEnv tool. It also mentions that the IBMCloudEnv tool is available for Go, Java&trade (Spring), Node.js, and Python. On the right side, there is a tabbed interface with tabs for Curl, Java, Node, Python, and Go. The Python tab is selected, showing code examples for authentication. A "Feedback" button is visible on the right side of the code examples.

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### Authentication

Security scheme

Authentication with external configuration

Programmatic authentication

Auditing

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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

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}')
```

Basic authentication

Feedback