

Create A Database In Cloudant DB

Team ID	PNT2022TMID26689
Project Name	IOT Based Smart Crop Protection System For Agriculture

The screenshot displays the IBM Cloudant documentation interface. The top navigation bar includes the IBM logo and links for Cloud, Products, Solutions, Pricing, Docs (selected), Support, and Explore more. A search icon, user profile icon, and Console link are on the right. The left sidebar shows the 'Cloudant' section with a list of topics: Overview, Introduction, Endpoint URLs, Authentication (expanded), Security scheme, Authentication with external configuration, Programmatic authentication (highlighted), Auditing, Event tracking, Error handling, Additional headers, Rate limits, and Related APIs. The main content area is titled 'Programmatic authentication' and contains a tip about using the IBM Cloud App Service and the IBMCloudEnv tool. The right side features a code editor with tabs for Curl, Java, Node, Python (selected), and Go. It shows two code snippets: one for 'SDK managing the IAM token' and another for 'SDK managing session cookie'. A 'Feedback' button is visible on the right edge of the code editor.

IBM | Cloud | Products | Solutions | Pricing | Docs | Support | Explore more | Search | User | Console

Cloudant

- Overview
- Introduction
- Endpoint URLs
- Authentication
 - Security scheme
 - Authentication with external configuration
 - Programmatic authentication**
- Auditing
- Event tracking
- Error handling
- Additional headers
- Rate limits
- Related APIs

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](#).

Python

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)
```

Activate Windows
Go to Settings to activate Windows.

IBM

Cloud

Products

Solutions

Pricing

Docs

Support

Explore more

Log in

Create IBM Cloud account

Cloudant

Overview

Introduction

Endpoint URLs

Authentication

Auditing

Event tracking

Error handling

Additional headers

Rate limits

Related APIs

Logging

Methods

Server

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 `host` field and prefix it with the `https://` protocol. This value is the external endpoint.

For more information, see the [Locating your service credentials](#) tutorial.

Or you can copy your external endpoint by following these steps:

1. Go to the IBM Cloud dashboard and open an instance.
2. Under the Manage tab on the Overview page, see the External endpoint in the table.
3. Click **Copy** to copy the External endpoint. Paste the endpoint where you need your credentials.

A public endpoint looks something like these examples:

```
https://5111032-dd12-536e-09b3-432fg9f07e78-bluemix.cloudantnosqldb.appdomain.cloud
```

or

```
https://5111032-dd12-536e-09b3-432fg9f07e78-bluemix.cloudant.com
```

Curl

Java

Node

Python

Go

Feedback

Activate Windows
Go to Settings to activate Windows.