

CREATE A DATABASE IN CLOUDANT DB

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|---------------|--|
| Date | 03-11-2022 |
| Team ID | PNT2022TMID07818 |
| Project Name | Project – IOT based safety gadget for child safety monitoring and notification |
| Maximum Marks | 4 Marks |
| Submitted By | Aravind. C Melsiya.S Sriragavi.S Sneha.R |

Aim: To create a database in Cloudant DB to store location data.

Steps followed:

- Logged in to IBM Cloud account
- Navigated to `./resources`
- Clicked on the “Create Resource +” button
- Searched for “Cloudant”
- Chose the “Lite Version” and clicked on “Create”

The screenshot displays the IBM Cloud console interface for creating a new Cloudant database. On the left, the 'Authentication method' is set to 'IAM'. Under the 'Plan' section, the 'Lite' plan is selected with a checkmark. The 'Standard' plan is also visible. Below the plans, the 'Capacity' section shows the following specifications: 20 Reads per second, 10 Writes per second, 5 Queries per second, and 1 GB Storage Included. A 'Cost calculator' button is located at the bottom left. On the right, a 'Summary' panel lists the selected 'Cloudant Lite' plan as 'Free'. It details the capacity: 20 Reads/sec, 10 Writes/sec, 5 Global Queries/sec, and 1 GB Storage. At the bottom of the summary panel, there are two buttons: 'Create' (in blue) and 'Add to estimate' (in white with a blue icon).

Authentication method ⓘ

IAM

Plan

Lite ☒ **Standard** ☐

Full functionality for development and evaluation with a set capacity. Only one Lite plan Instance per account.

Granular control over provisioned throughput capacity allocated. Billing prorated hourly.

Free - Only in multi-tenant

Starting at \$75.00/month

Capacity

20 Reads per second 10 Writes per second 5 Queries per second 1 GB Storage Included

Cost calculator

Summary

1 **Cloudant Lite** **Free**

20 Reads/sec Free
10 Writes/sec Free
5 Global Queries/sec Free
1 GB Storage Included

Create

Add to estimate

The Cloudant database resource was created successfully

IBM Cloud

Search resources and products...

Catalog

Manage

Aravind C's Account

Resource list /

Cloudant-c26

Active

Add tags

Details

Actions...

Manage

Overview

Capacity

Docs

Launch Dashboard

Service credentials

Plan

Connections

Deployment details

CRN

Location

External endpoint

External endpoint (preferred)

Authentication methods

Activity Tracker event types

Disk encryption

crn:v1:bluemix:public:cloudantnosqldb:in-che:a/ec43bb5cb6ef47eaa000873b50f97aa:475a74c5-f35d-4207-8528-91c9f9ea3314::

Chennai

https://969e2292-c417-4856-9696-c4c606203444-bluemix.cloudant.com

https://969e2292-c417-4856-9696-c4c606203444-bluemix.cloudantnosqldb.appdomain.cloud

IBM Cloud IAM

Management

Save

Yes. Automatically generated disk encryption key.

Capacity details

Clicked on Launch Dashboard :

Databases

Database name

Create Database

{ } JSON

Your Databases

| Name | Size | # of Docs | Partitioned | Actions |
|-----------|----------|-----------|-------------|-------------|
| aravi2631 | 14 bytes | 1 | No | <div></div> |

Log Out

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

« 1 »

Clicked on “Create Database”. Entered “aravi2631” as the database name and the “Non-partitioned” option

←→

↕

📈

🗄️

🔄

📊

👤

🔍

📖

🏠

Log Out

Databases

Database name

Create Database

{ } JSON

📖

🔔

Your Databases

| Name | Size | # of Docs | Partitioned |
|-----------|----------|-----------|-------------|
| aravi2631 | 14 bytes | 1 | No |

Showing 1–1 of 1 database

Create Database

Database name

Child Safty

Partitioning

☒ Non-partitioned - recommended for most workloads

☐ Partitioned

> Which should I choose?

Cancel

Create

The database “aravi2631” was created successfully

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🏠

Log Out

< aravi2631

:

Document ID

Options

{ } JSON

📖

🔔

All Documents

+

Query

Permissions

Changes

Design Documents

+

☐


Table

Metadata

{ } JSON

📖

Create Document

| id | key | value |
|---|----------------------------------|---|
| <input type="checkbox"/>  be3cb9d0e35530a2fe0ded4e0845fe77 | be3cb9d0e35530a2fe0ded4e0845fe77 | { "rev": "1-4dbd80ab6e655d7ba1af92bca8563..." |

Showing document 1 - 1. Documents per page: 20

Result:

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