

CREATE A DATABASE IN CLOUDANT DB

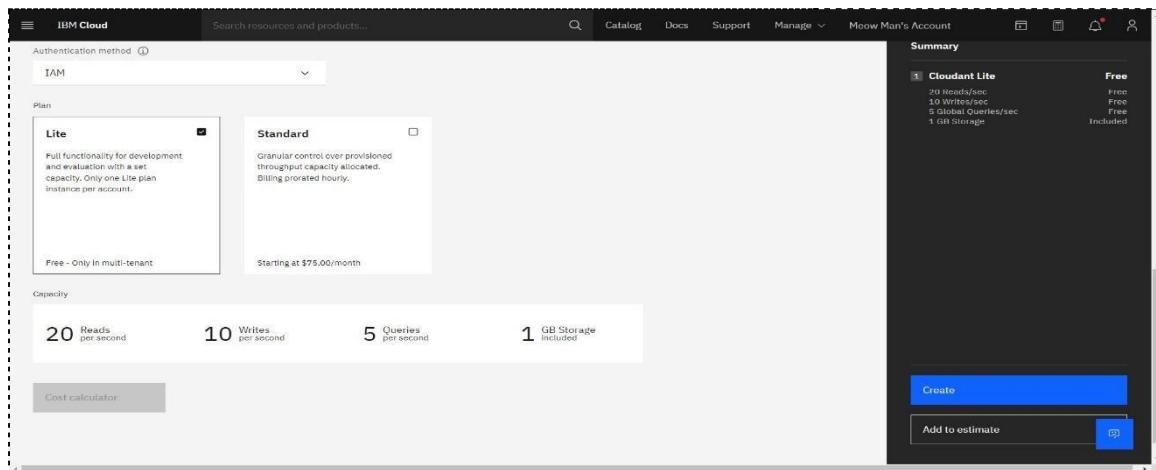
| | |
|--------------|--|
| Date | 24-11-2022 |
| TeamID | PNT2022TMID30354 |
| ProjectName | Project-IOT based safety gadget for child safety monitoring and notification |
| MaximumMarks | 4 Marks |
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Create A Database In Cloudant DB

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

Steps followed:

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



- The Cloudant database resource was created successfully

IBM Cloud

Resource list / Cloudant-jp Active child-safety IBM

Search resources and products... Catalog Docs Support Manage Meow Man's Account

Details Actions...

Manage

Service credentials

Plan

Connections

Overview Capacity Docs Launch Dashboard

Deployment details

CRN cm:v1:bluemix:public:cloudantnosqldb:in-che:a/b77a43c0d7e04aa8abc85cac562dba69:f1fc02fc-6402-486d-b705-aa3ece0c66bf::

Location Chennai

External endpoint https://2a6f6e22-619b-4c94-95fb-5957f5396206-bluemix.cloudant.com [?]

External endpoint (preferred) https://2a6f6e22-619b-4c94-95fb-5957f5396206-bluemix.cloudantnosqldb.appdomain.cloud [?]

Authentication methods IBM Cloud IAM [?]

Activity Tracker event types ⓘ Management Save

Disk encryption Yes. Automatically generated disk encryption key.

Waiting for cloud.ibm.com...

The screenshot shows the IBM Cloud interface for managing a Cloudant service named 'Cloudant-jp'. The 'Overview' tab is active. Key deployment details listed include the CRN (cm:v1:bluemix:public:cloudantnosqldb:in-che:a/b77a43c0d7e04aa8abc85cac562dba69:f1fc02fc-6402-486d-b705-aa3ece0c66bf::), location (Chennai), and two external endpoints (https://2a6f6e22-619b-4c94-95fb-5957f5396206-bluemix.cloudant.com and https://2a6f6e22-619b-4c94-95fb-5957f5396206-bluemix.cloudantnosqldb.appdomain.cloud). The authentication method is set to IBM Cloud IAM. Disk encryption is enabled with a note indicating an automatically generated key. A status message at the bottom left says 'Waiting for cloud.ibm.com...'.

- Clicked on Launch Dashboard

Databases

| Name | Size | # of Docs | Partitioned | Actions |
|------|------|-----------|-------------|---------|
| | | | | |

Showing 1-0 of 0 databases. Databases per page: 20

- Clicked on "Create Database". Entered "meowman" as the database name and the "Non-partitioned" option

Create Database

Database name
meowman

Partitioning

Non-partitioned - recommended for most workloads

Partitioned

▼ Which should I choose?

If your data can be modelled within the constraints that it imposes, partitioning can improve performance for large databases. See guide and the extra service limits for more details.

If in doubt, choose a non-partitioned database.

Cancel Create

- The database “meowman” was created successfully

The screenshot shows the CloudantDB interface for the database "meowman". The left sidebar contains navigation links: "All Documents" (selected), "Query", "Permissions", "Changes", and "Design Documents". The main area features a large circular icon with a cloud-like shape, centered below the text "No Documents Found". At the bottom right, there is a message "Showing 0 documents. Documents per page: 20 < >". The bottom-left corner of the sidebar has a "Log Out" link.

Result:

A database set to store the location data was created successfully on CloudantDB