

## CREATE A DATABASE IN CLOUDANT DB

Date	25 October 2022
Team ID	PNT2022TMID53722
Project Name	Smart Waste Management Using IOT In Metropolitan Cities

### Create A Database In Cloudant DB.

**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 shows the IBM Cloud Catalog interface. On the left, there are two options: 'Lite' and 'Standard'. The 'Lite' option is selected, showing its details: 'Full functionality for development and evaluation with a set capacity. Only one Lite plan instance per account.' It also notes 'Free - Only in multi-tenant' and 'Starting at \$15.00/month'. Below these details are performance metrics: 20 Reads per second, 10 Writes per second, 5 Queries per second, and 1 GB Storage included. A 'Cost calculator' button is available. On the right, a summary panel for 'Cloudant Lite' is displayed, listing its features: 20 Reads/sec, 10 Writes/sec, 5 Global Queries/sec, and 1 GB Storage. It also indicates 'Free' for reads, writes, and queries, while storage is 'Included'. A large blue 'Create' button is prominently displayed, along with an 'Add to estimate' button. The top navigation bar includes 'Catalog', 'Manage', and the user's name 'Annicka kishore K's Acc..'. The bottom taskbar shows the Windows Start button, a search bar, and various pinned icons.

- The Cloudant database resource was created successfully

The screenshot shows the IBM Cloud Service Details page for a service named 'Cloudant-u3'. The 'Overview' tab is selected. Key details include:

- Deployment details:**
  - CRN: 0nn01bluemixpublic.cloudantnosqldb.eu-south-146fbbd5e6218fc0d387fe7714944-9540-4259-9719-3999876315c
  - Location: Sydney
  - External endpoint: <https://9bb41a58-ca64-43d0-9d25-a42dad17c69f-bluemix.cloudant.com>
  - External endpoint (preferred): <https://9bb41a58-ca64-43d0-9d25-a42dad17c69f-bluemix.cloudantnosqldb.eu-south-1cloudant.com>
  - Authentication methods: IBM Cloud IAM
- Activity Tracker event types:** Management
- Disk encryption:** Yes, Automatically generated disk encryption key

At the bottom right of the main content area, there is a blue button labeled 'Launch Dashboard'.

- Clicked on Launch Dashboard

The screenshot shows the Cloudant Dashboard with the 'Databases' section selected. The interface includes:

- A left sidebar with various icons for database management.
- A top navigation bar with tabs for 'Service Details', 'Cloudant Dashboards', 'IBM Cloud Account', 'Welcome to Project', 'JEPPIJAAR ENGINEER', and 'JEPPIJAAR ENGINEER' (repeated).
- A search bar at the bottom left.
- A status bar at the bottom right showing '25°C Cloudy' and the date '11/4/2022'.
- The main content area displays a table titled 'Your Databases' with columns: Name, Size, # of Docs, Partitioned, and Actions.
- At the bottom of the main content area, it says 'Showing 1–0 of 0 databases. Databases per page: 20'.

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

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Cloudant Dashr..." and displays the URL "9bb41a58-ca64-43d0-9d25-a42dad17c@9f-bluemix.cloudant.com/dashboard.html". On the left, there's a sidebar with various icons. The main area is titled "Databases" and shows a table with columns: Name, Size, # of Docs, and Partitioned. A modal dialog box titled "Create Database" is open on the right, prompting for a database name ("amigos") and partitioning options (Non-partitioned is selected). Below the modal, a message asks "Which should I choose?". At the bottom of the screen, a Windows taskbar is visible with the date/time "11/4/2022 7:37 PM".

- The database “amigos” was created successfully.

The screenshot shows the same browser window with the "Cloudant Dashr..." tab active. The URL now includes "#database/amigos/\_all\_docs". The main area displays the "amigos" database details. On the left, a sidebar lists "All Documents", "Query", "Permissions", "Changes", and "Design Documents". The main content area features a large cloud icon and the message "Database created successfully". Below it, a section says "No Documents Found". At the bottom, there are filters for "Showing 0 documents" and "Documents per page: 20". The Windows taskbar at the bottom shows the date/time "11/4/2022 7:37 PM".

## Result:

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