

TEAM ID	PNT2022TMID51128
Project Name	IOT based safety gadget for child safety monitoring and notification

Create a Database in Cloudbant DB

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

Steps followed:

- Logged in to IBM Cloud account
- Navigated to resource.
- Clicked on the "Create Resource +" button
- Searched for "Cloudbant"

1)Choose the LITE VERSION and click CREATE.




The screenshot shows the IBM Cloud console interface for configuring a Cloudbant instance. The main configuration area on the left includes fields for 'Instance name' (Cloudbant-ng), 'Resource group' (Default), 'Tags' (Examples: env:dev, version-1), 'Authentication method' (IAM), and 'Plan' selection. The 'Lite' plan is selected, described as 'Full functionality for development and evaluation with a set capacity. Only one Lite plan instance per account.' The 'Standard' plan is also visible, described as 'Granular control over provisioned throughput capacity allocated. Billing prorated hourly.' The right sidebar shows a 'Summary' of the 'Cloudbant Lite' plan, which is 'Free' and includes 20 Reads/sec, 10 Writes/sec, 5 Global Queries/sec, and 1 GB Storage. At the bottom right, there are 'Create' and 'Add to estimate' buttons.

2)The cloudbant database resource was created successfully.

The screenshot shows the IBM Cloud console interface for the 'Cloudant-ng' resource. The 'Overview' tab is active, displaying deployment details. The 'CRN' is crn:v1:bluemix:public:cloudantnosqldb:in-chexa/1725463ded57484e9da17e1119f3ff61:4c9c7478-7d89-4cb5-8878-88145a471597::. The 'Location' is Chennai. The 'External endpoint' is https://14035d79-34aa-4a67-a4e2-e7b4441ee6d4-bluemix.cloudant.com. The 'External endpoint (preferred)' is https://14035d79-34aa-4a67-a4e2-e7b4441ee6d4-bluemix.cloudantnosqldb.appdomain.cloud. The 'Authentication methods' are IBM Cloud IAM. The 'Activity Tracker event types' are set to Management. The 'Disk encryption' status is Yes, Automatically generated disk encryption key. The left sidebar shows the 'Manage' tab with options for Service credentials, Plan, and Connections. The right sidebar shows a 'Launch Dashboard' button.

3)Click LAUNCH DASHBOARD.

The screenshot shows a web interface for managing databases. On the left is a dark sidebar with various icons and a 'Log Out' button at the bottom. The main header area includes the title 'Databases', a 'Database name' dropdown, a 'Create Database' button, a JSON icon, and a bell icon. Below the header is a section titled 'Your Databases' containing a table. The table has five columns: 'Name', 'Size', '# of Docs', 'Partitioned', and 'Actions'. It lists one database named 'gadget' with a size of '14 bytes', 1 document, and it is not partitioned. The 'Actions' column for 'gadget' contains three icons: a refresh icon, a lock icon, and a delete icon. At the bottom right, there is a pagination bar showing 'Showing 1-1 of 1 databases.', 'Databases per page' set to 20, and a page number '1'.

Name	Size	# of Docs	Partitioned	Actions
gadget	14 bytes	1	No	  

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

4)Result:

This screenshot shows the same 'Databases' dashboard as before, but with the 'Create Database' modal open on the right side. The modal has a title 'Create Database' and contains a 'Database name' input field with the placeholder text 'database-name'. Below this is a 'Partitioning' section with two radio button options: 'Non-partitioned - recommended for most workloads' (which is selected) and 'Partitioned'. At the bottom of the modal are 'Cancel' and 'Create' buttons. The background dashboard is partially visible, showing the same table with the 'gadget' database.

5)The database “gadget” was created successfully.

The screenshot displays the Cloudant database management interface for a database named 'gadget'. On the left, a sidebar contains navigation icons and a 'Log Out' button. The main area shows a list of documents under the 'All Documents' tab. A single document is visible, with its ID, key, and value displayed in a table format. The value is a JSON object containing a 'rev' field. At the bottom, a status bar indicates 'Showing document 1 - 1' and 'Documents per page: 20'.

id	key	value
9fdfbdef9def50d536958918880d5761	9fdfbdef9def50d536958918880d5761	{ "rev": "1-4dbd80ab6e655d7ba1af92..." }

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