

## CREATE A DATABASE IN CLOUDANT DB

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TEAM ID	PNT2022TMID22887
PROJECT NAME	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

### 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”.
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- The Cloudant database resource was created successfully

The screenshot displays the IBM Cloud console interface for creating a new Cloudant database. On the left, under the 'Plan' section, two options are shown: 'Lite' (selected with a checkmark) and 'Standard'. The 'Lite' plan is described as 'Full functionality for development and evaluation with a set capacity. Only one Lite plan instance per account.' and is 'Free - Only in multi-tenant'. The 'Standard' plan offers 'Granular control over provisioned throughput capacity allocated. Billing prorated hourly.' and starts at '\$75.00/month'. Below the plans, the 'Capacity' section shows the specifications for the selected 'Lite' plan: 20 Reads per second, 10 Writes per second, 5 Queries per second, and 1 GB Storage included. On the right, a 'Summary' panel lists the configuration: '1 Cloudant Lite' instance, 'Free' for reads, writes, and global queries, and 'Included' for 1 GB storage. At the bottom right, there are two buttons: a blue 'Create' button and a white 'Add to estimate' button with a chat icon.

Plan	Standard
<b>Lite</b> <input checked="" type="checkbox"/>	<input type="checkbox"/>
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

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

Create

Add to estimate

Resource list /

node-red-hdonz-2022--cloudant-1667315479415ActiveAdd tagsDetailsActions...

Manage

OverviewCapacityDocs

Launch Dashboard

Service credentials

Plan

Connections

Deployment details

CRN

crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/4ac70dfd237d4cb5a6cb9e114c5a4a53:6bb98671-9a88-4363-bb87-794c6dbc6d7c::

Location

London

External endpoint

<https://683e26fb-a983-4481-80d9-ce1d53ef9d2c-bluemix.cloudant.com>

External endpoint (preferred)

<https://683e26fb-a983-4481-80d9-ce1d53ef9d2c-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods

IBM Cloud IAM

Cloudant credentials

Migrate to IAM Only

- Clicked on Launch Dashboard

Database name

Create Database

{ } JSON

Your Databases

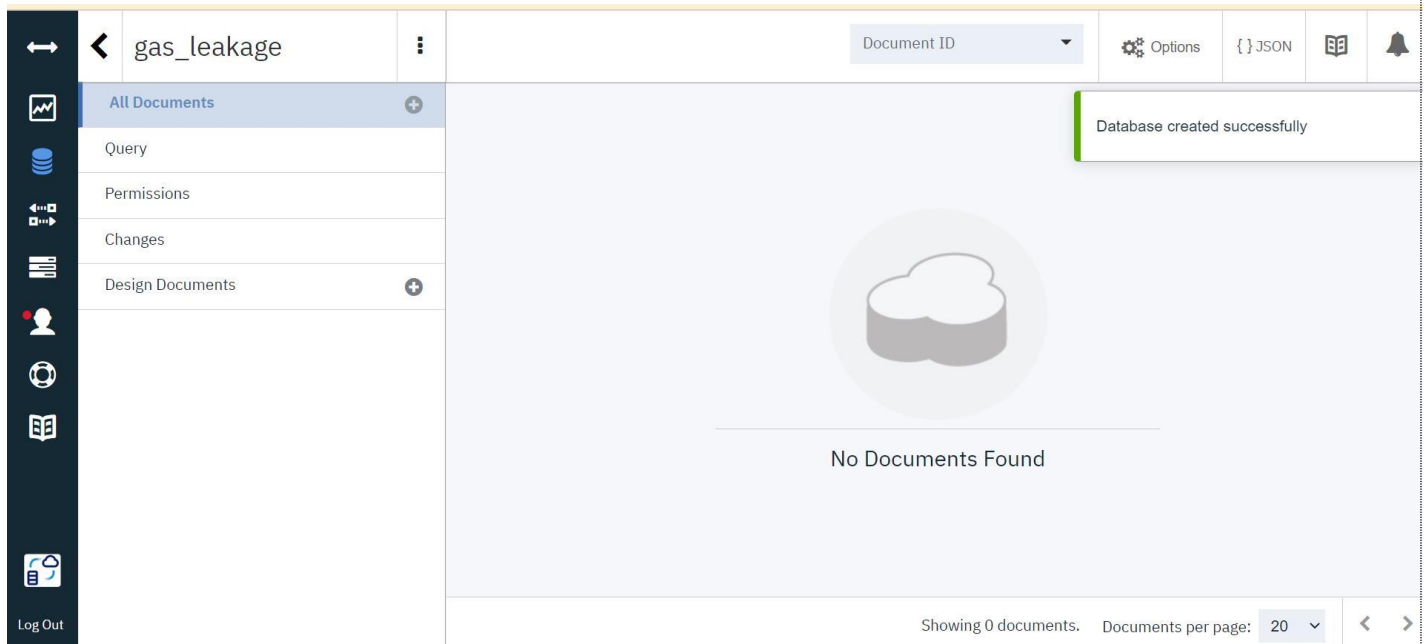
Name	Size	# of Docs	Partitioned	Actions
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Showing 1–0 of 0 databases.

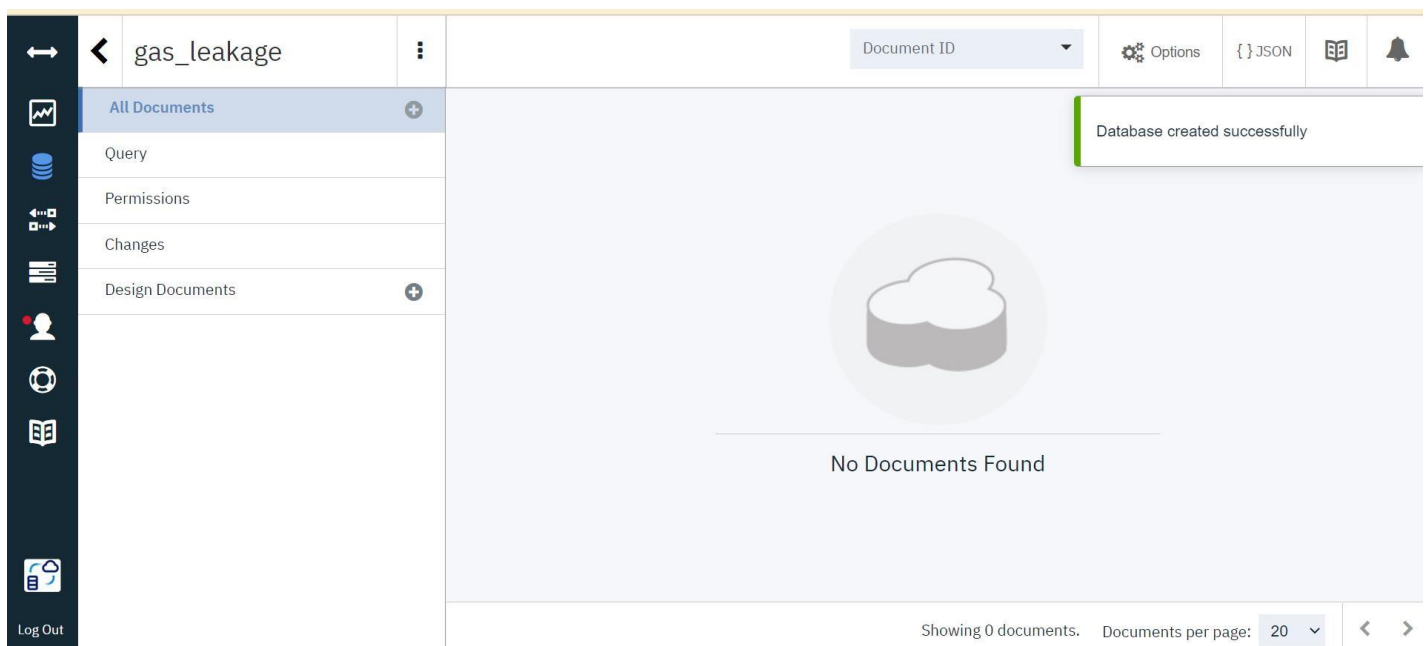
Databases per page20

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



- The database “gas leakage” was created successfully.



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