

## CREATING A DATABASE IN CLOUDANT DB

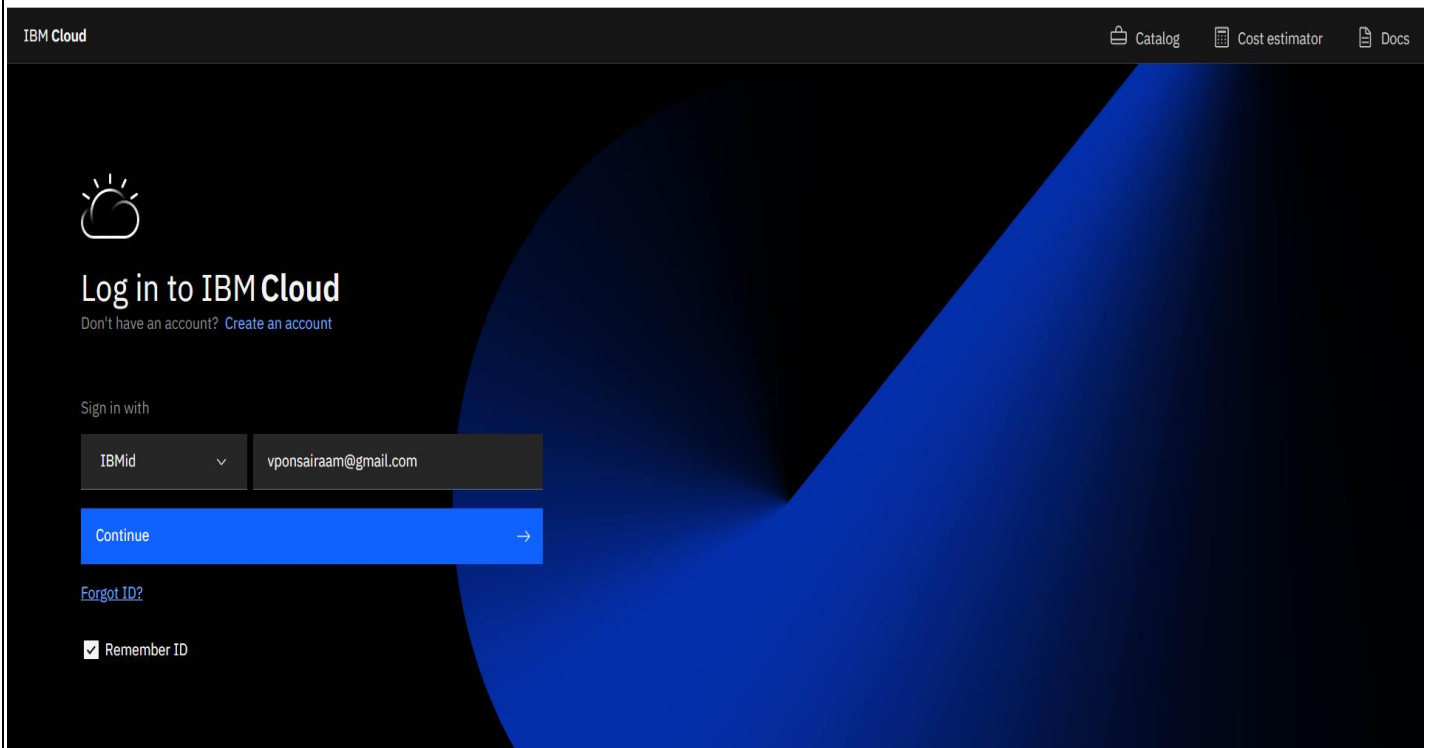
|              |   |
|--------------|---|
| Date         | 11 November 2022  |
| Team ID      | PNT2022TMID53629  |
| Project Name | Gas leakage monitoring and alerting system for industries |

### Creating A Database In Cloudant DB.

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

Steps to be followed:

- Log in to IBM Cloud account.



- Clicked on the “Create Resource +” button

The screenshot displays the IBM Cloud Dashboard interface. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Pon Sai Raam V's Acco...). Below the navigation bar, the main dashboard area is titled "Dashboard" and includes links for "Edit dashboard" and "Upgrade account". A prominent blue button labeled "Create resource +" is located in the top right corner of the dashboard area.

The dashboard is divided into two main sections. The upper section, titled "For you", features a horizontal scroll of six resource creation cards. Each card includes a lightbulb icon, a title, a brief description, and a "Getting started" button with a time estimate. The cards are:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services. (15 min)
- Build a web app with Watson Speech to Text**: Deploy a conversational interface compatible with any application, device, or channel. (7 min)
- Build a Virtual Private Cloud (VPC)**: Upgrade to a paid account to create your own protected space in the IBM Cloud. (7 min)
- Get started with Watson Discovery**: Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code. (2 hr)
- IBM Watson Knowledge Catalog**: Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform. (2 min)
- Get Started with Watson Studio**: Get started with using AI and Cloud Object Storage in 15 minutes. (2 hr)

The lower section of the dashboard contains four columns of content:

- News**: A list of recent news items, including "WebSphere Application Server Support Restatement", "IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco", and "All About IBM Storage's Price and Supply Guarantee". A "View all" link is provided.
- Recent support cases**: A link to "View all" recent support cases.
- Planned maintenance**: A link to "View all" planned maintenance events.
- IBM Cloud status**: A link to "View all" IBM Cloud status updates, accompanied by a status grid.

- Searched for “Cloudant” in Catalog

The screenshot shows the IBM Cloud Catalog interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account. Below the navigation bar, the main content area is titled 'Catalog'. A search bar on the left contains the text 'cloudant'. A dropdown menu is open, showing a list of search results: 'Cloudant', 'IBM Cloud Activity Tracker', 'SimpleCloud', 'CloudHedge App Modernization Platform', 'Cloud Native Storage and Data Service', 'Container Registry', 'AI / Machine Learning (17)', 'Analytics (10)', 'Blockchain (1)', 'Databases (28)', and 'Developer tools (25)'. The main content area displays three product cards: 'AnonTech ViziVault Platform' by Anon Technology, Inc., 'API Connect' by IBM, and a partially visible card on the left. Each card includes a description, a list of features (e.g., 'Lite', 'Free', 'HIPAA Enabled', 'IAM-enabled', 'Service Endpoint Supported', 'IBM supported'), and a small icon representing the product.

- Chose the “Lite Version” and clicked on “Create”.

IBM Cloud

Search resources and products...

Catalog Manage Pon Sai Raam V's Acco...

Get started on Cloudant with 600 USD in cloud credits. Apply code CLOUDANTFREE600 to get started now.

Catalog / Services /

# Cloudant

A scalable JSON document database for web, mobile, IoT, and serverless applications.

Create About

Select an offering

**Cloudant** ☒

IBM Cloudant is a fully managed JSON document database that offers independent serverless scaling of throughput capacity and storage.

Lite plan available

Select an environment

Multitenant Dedicated

Your instance will be running securely on environments with shared resources.

**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 Pon Sai Raam V's Acco...

Resource list /

## node-red-hrcpc-2022--cloudant-1668174097229

Active Add tags

Details Actions...

Manage Overview Capacity Docs

Service credentials

Plan

Connections

**Launch Dashboard**

**Deployment details**

**CRN** crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/4ca4e9bd894a4378a839cc370e3c58da:05758fbb-595b-49bb-8311-6ec77d182f02::

**Location** London

**External endpoint** <https://f69a3ef6-c625-4bc7-819e-4321efde1a26-bluemix.cloudant.com>

**External endpoint (preferred)** <https://f69a3ef6-c625-4bc7-819e-4321efde1a26-bluemix.cloudantnosqldb.appdomain.cloud>

**Authentication methods** [IBM Cloud IAM](#) and [Cloudant credentials](#) **Migrate to IAM Only**

**Activity Tracker event types** Management Save

**Disk encryption** Yes. Automatically generated disk encryption key.

- Click on Launch Dashboard

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f69a3ef6-c625-4bc7-819e-4321efde1a26-bluemix.cloudant.com/dashboard.html

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Databases

Database name ▾

Create Database

{ } JSON

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Your Databases

| Name                 | Size    | # of Docs | Partitioned | Actions          |
|----------------------|---------|-----------|-------------|------------------|
| noderedhrcpc20221111 | 26.9 KB | 4         | No          | <div>↔ 🔒 🗑</div> |

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

« 1 »

Log Out

- Click on “Create Database”.
- Database is created successfully.

...

**Result:**

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