

# Create And Configure IBM Cloud Service

## Create A Database in Cloudant DB

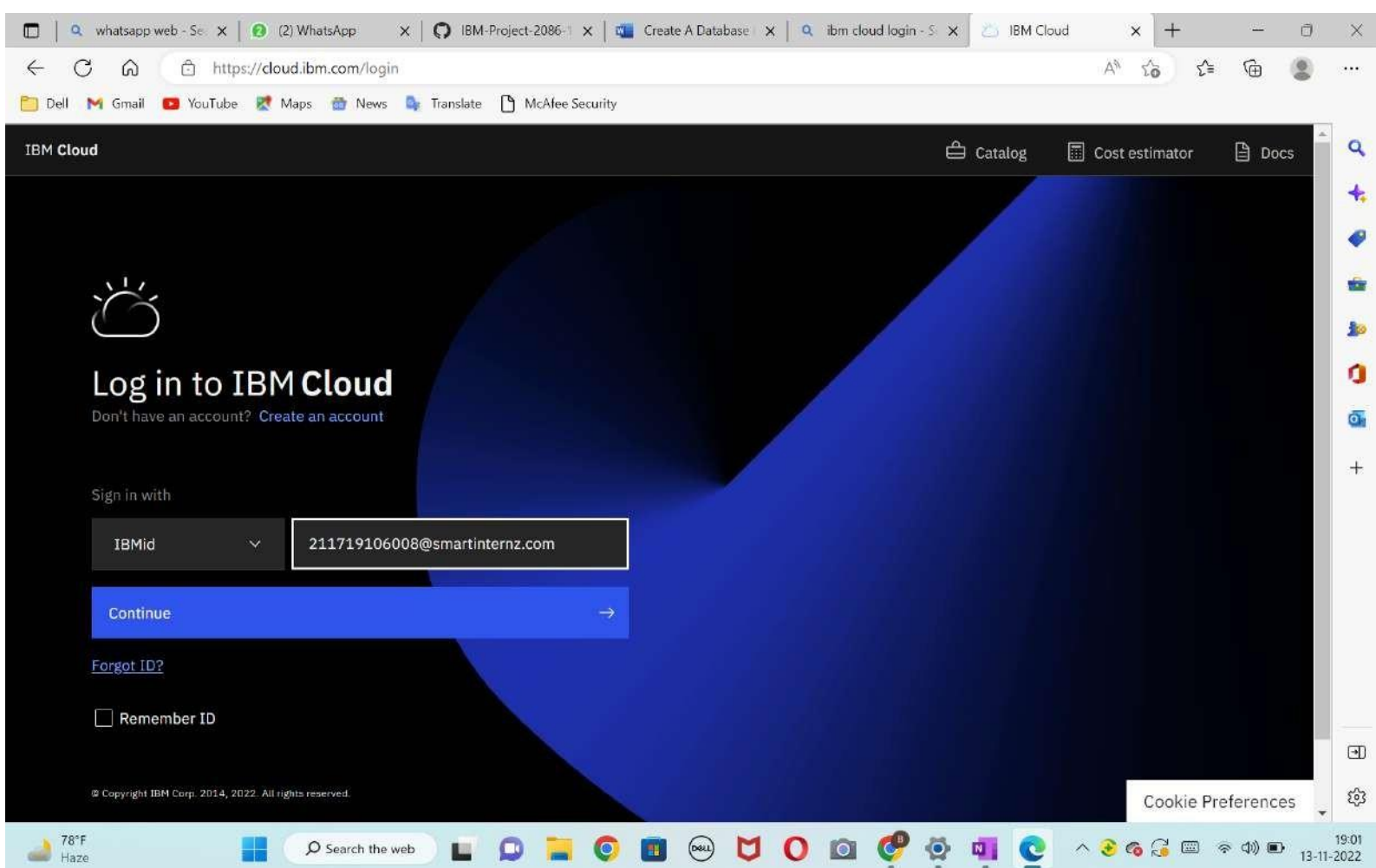
Date	10 /11/2022
Team ID	PNT2022TMID26475
Project Name	IOT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	4 Marks

### AIM

To create a Database in Cloudant DB to store location data.

### STEP 1:

Log in to IBM Cloud with smart interns mail ID and Password.



## STEP 2:

Click the “Create Resource +” button

The screenshot displays the IBM Cloud dashboard interface. At the top, the browser's address bar shows the URL <https://cloud.ibm.com>. The dashboard header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (BHARGAVI G's Account). A prominent blue button labeled "Create resource +" is located in the top right corner of the dashboard area. Below the header, the main content area is titled "Dashboard" and features a "For you" section with five recommended actions: "Build" (a large purple card), "Explore IBM Cloud Shell" (2 min), "Visit the IBM Cloud catalog" (1 min), "Build a web app with Watson Speech to Text" (15 min), and "Get Started with Wats Studio" (15 min). At the bottom of the dashboard, there are sections for "User access" (with a "Manage users" link), "News" (highlighting "WebSphere Application Server Support Restatement" with a "View all" link), and "Planned maintenance" (with a "View all" link). The Windows taskbar at the bottom shows the system clock as 19:03 on 13-11-2022.

# STEP 3:

## Search Cloudant in Catalog.

Browser tabs: whatsapp web - Search, (4) WhatsApp, IBM-Project-2086-165842, Create A Database in Clou, Catalog - IBM Cloud

Address bar: <https://cloud.ibm.com/catalog>

Navigation bar: IBM Cloud, Catalog, Manage, BHARGAVI G's Account, Sell on IBM Cloud, Catalog settings


# Catalog

Search the catalog...

Category: Viewing 206 products

Alphabetically

- Recommended products (6)
- Compute (30)
- Containers (9)
- Networking (30)
- Storage (20)
- AI / Machine Learning (17)
- Analytics (10)




### Analytics Engine

By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

Lite • Free • HIPAA Enabled • IAM-enabled •



### AnonTech ViziVault Platform

By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

Taskbar: 78°F Haze, Search the web, 19:04 13-11-2022

## STEP 4:

Choose the Lite Version. The Cloudant database resource created.

The screenshot shows the IBM Cloud Catalog page for Cloudant. The page is titled "Cloudant" and describes it as a scalable JSON document database. A banner at the top offers 600 USD in cloud credits with the code CLOUDANTFREE600. The "Create" button is highlighted in blue. The "Summary" panel on the right shows the "Cloudant Lite" plan, which is free and includes 20 Reads/sec, 10 Writes/sec, 5 Global Queries/sec, and 1 GB Storage.

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

**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 screenshot shows the IBM Cloud Catalog page for Cloudant, specifically the "Plan" selection step. The "Authentication method" is set to "IAM". The "Plan" section shows two options: "Lite" (selected) 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 is described as "Granular control over provisioned throughput capacity allocated. Billing prorated hourly." and starts at \$75.00/month. The "Capacity" section shows the following specifications: 20 Reads per second, 10 Writes per second, 5 Queries per second, and 1 GB Storage included. The "Create" button is highlighted in blue.

Authentication method ⓘ

IAM

Plan

**Lite** ☒

Full functionality for development and evaluation with a set capacity. Only one Lite plan instance per account.

Free - Only in multi-tenant

**Standard** ☐

Granular control over provisioned throughput capacity allocated. Billing prorated hourly.

Starting at \$75.00/month

Capacity

20 Reads per second	10 Writes per second	5 Queries per second	1 GB Storage included
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**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

## STEP 5:

Click on the launch dashboard.

The screenshot displays the IBM Cloud console interface. At the top, the browser address bar shows the URL: <https://cloud.ibm.com/services/cloudantnosqldb/crn%3A%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Aau-syd%3Aa%2F6d28f...>. The IBM Cloud header includes a search bar, 'Catalog', 'Manage', and the user account 'BHARGAVI G's Account'. The main content area shows the resource 'Cloudant-y5' with a status of 'Active' and an 'Add tags' link. A left sidebar lists 'Manage', 'Service credentials', 'Plan', and 'Connections'. The 'Overview' tab is selected, displaying deployment details in a table:

Deployment details	
CRN	crn:v1:bluemix:public:cloudantnosqldb:au-syd:a/6d28f71412ff4b7cad904b6767ce7c77:faeff4fb-bd7c-4906-bbb0-cb76b98fd25c::
Location	Sydney
External endpoint	<a href="https://4dec4f4d-f465-42a0-b5cc-08c9c71fefe7-bluemix.cloudant.com">https://4dec4f4d-f465-42a0-b5cc-08c9c71fefe7-bluemix.cloudant.com</a>
External endpoint (preferred)	<a href="https://4dec4f4d-f465-42a0-b5cc-08c9c71fefe7-bluemix.cloudantnosqldb.appdomain.cloud">https://4dec4f4d-f465-42a0-b5cc-08c9c71fefe7-bluemix.cloudantnosqldb.appdomain.cloud</a>
Authentication methods	IBM Cloud IAM
Activity Tracker event types	Management

At the bottom of the deployment details section, there is a 'Save' button. In the top right corner of the resource details area, a blue button labeled 'Launch Dashboard' with an external link icon is visible. The Windows taskbar at the bottom shows the date and time as 19:17 on 13-11-2022.

## STEP 6:

Click “Create Database”.

Entered “child\_safety\_device” as the database name and the “Non-partitioned” option.

The screenshot shows the Cloudant Dashboard interface. On the left is a dark sidebar with navigation icons and a 'Log Out' button at the bottom. The main area is titled 'Databases' and contains a table with columns 'Name', 'Size', '# of Docs', and 'Partitioned'. The table is currently empty, with a status message 'Showing 1-0 of 0 databa' at the bottom. On the right, a 'Create Database' modal is open. It has a 'Database name' field containing 'child\_safety\_device' and a 'Partitioning' section with two radio buttons: 'Non-partitioned - recommended for most workloads' (which is selected) and 'Partitioned'. Below these is a link 'Which should I choose?'. At the bottom of the modal are 'Cancel' and 'Create' buttons. The browser's address bar shows the URL 'https://4dec4f4d-f465-42a0-b5cc-08c9c71fe77-bluemix.cloudant.com/dashboard.html#/all\_dbs'. The Windows taskbar at the bottom shows the date and time as 19:20 on 13-11-2022.

Database name

Create Database

Database name

child\_safety\_device

Partitioning

☒ Non-partitioned - recommended for most workloads

☐ Partitioned

> Which should I choose?

Cancel Create

Showing 1-0 of 0 databa



## **STEP 7:**

The database “child\_safety\_device” has been created Successfully.

The screenshot displays the Cloudant Databases dashboard in a web browser. The browser's address bar shows the URL: [https://4dec4f4d-f465-42a0-b5cc-08c9c71fe7e7-bluemix.cloudant.com/dashboard.html#/\\_all\\_dbs](https://4dec4f4d-f465-42a0-b5cc-08c9c71fe7e7-bluemix.cloudant.com/dashboard.html#/_all_dbs). The dashboard has a dark sidebar on the left with various icons and a 'Log Out' button at the bottom. The main content area is titled 'Databases' and includes a 'Database name' dropdown, a 'Create Database' button, and a 'JSON' icon. Below this, a section titled 'Your Databases' contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
child_safety_device	0 bytes	0	No	

At the bottom of the dashboard, it says 'Showing 1-1 of 1 databases.' and 'Databases per page 20'. The Windows taskbar at the bottom shows the date and time as 19:21 on 13-11-2022.

## **RESULT:**

A database to store the location data on the Cloudant database has been created successfully.

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**TEAM SIZE** : 4