

## IBM CLOUDANT DATABASE

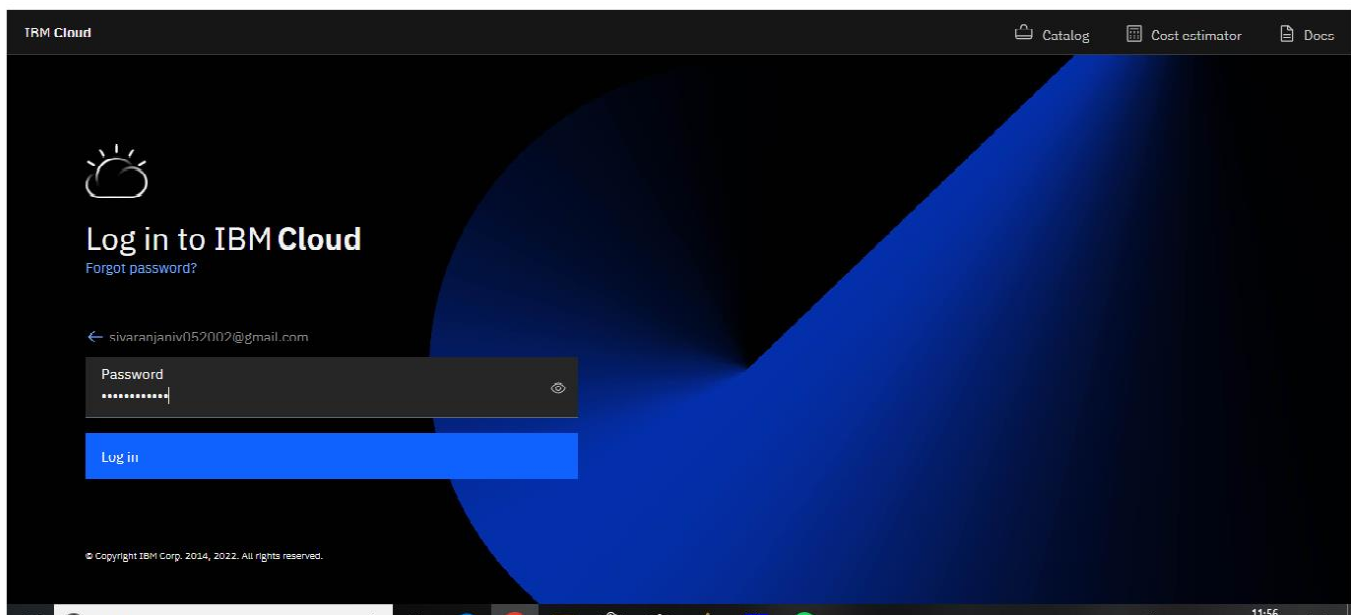
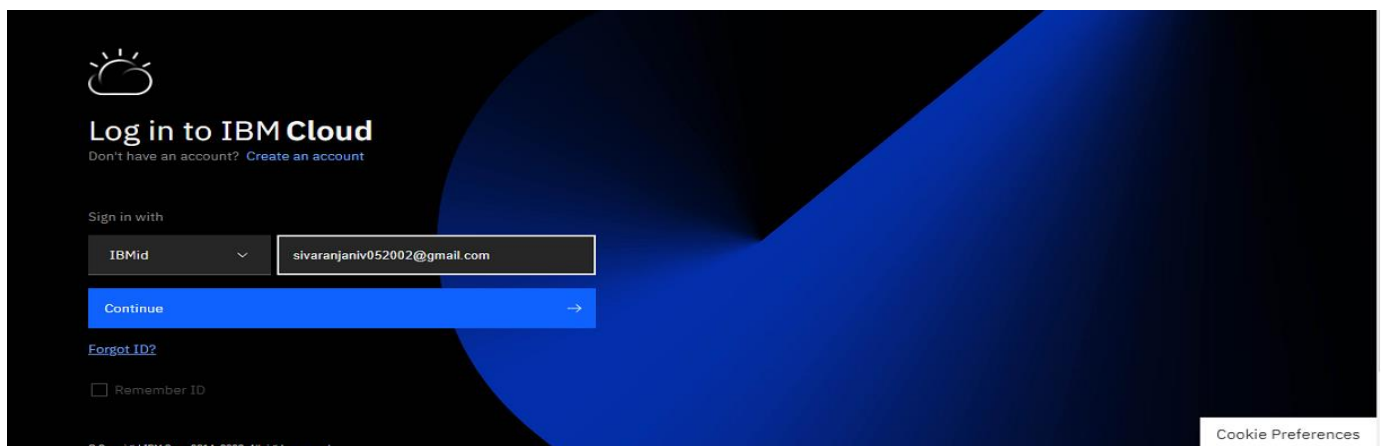
Assignment Date	08 NOVEMBER 2022
Student Name	SIVARANJANI V
Student Roll Number	710019106043
Team ID	PNT2022TMID42279

### AIM:

To create the IBM Cloudant Database.

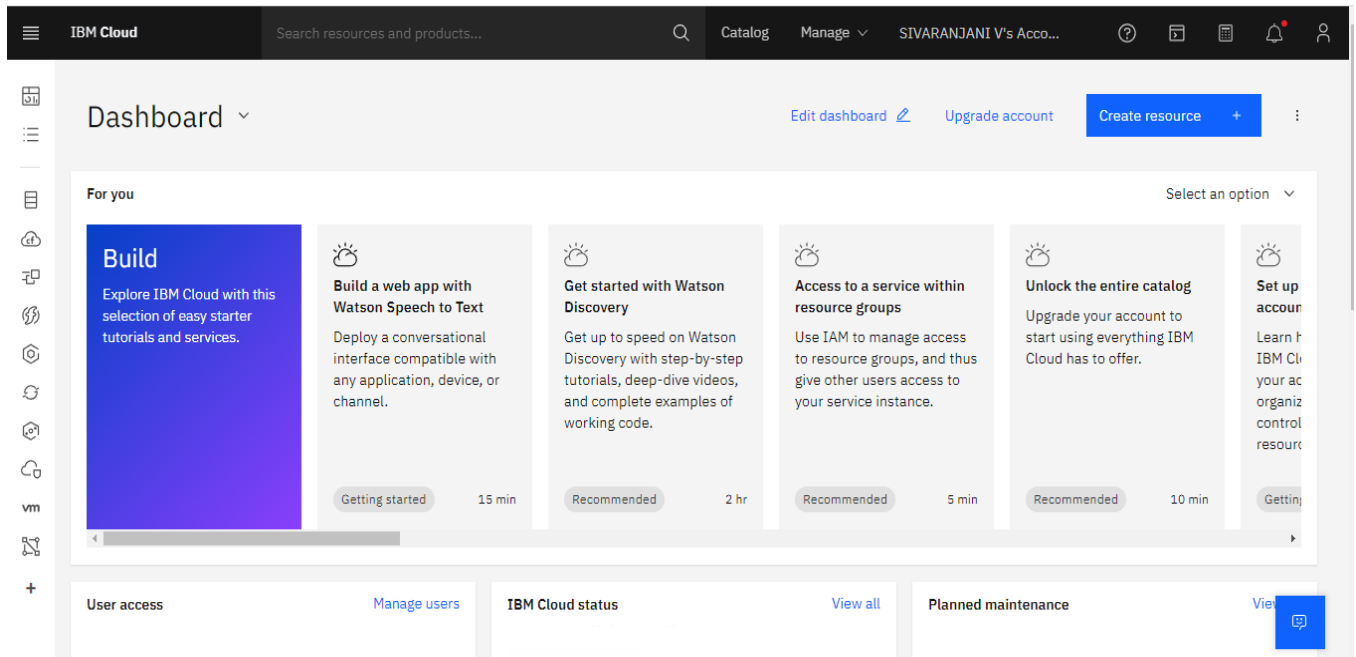
### STEPS:

1. Login to IBM cloud account using mail ID and password

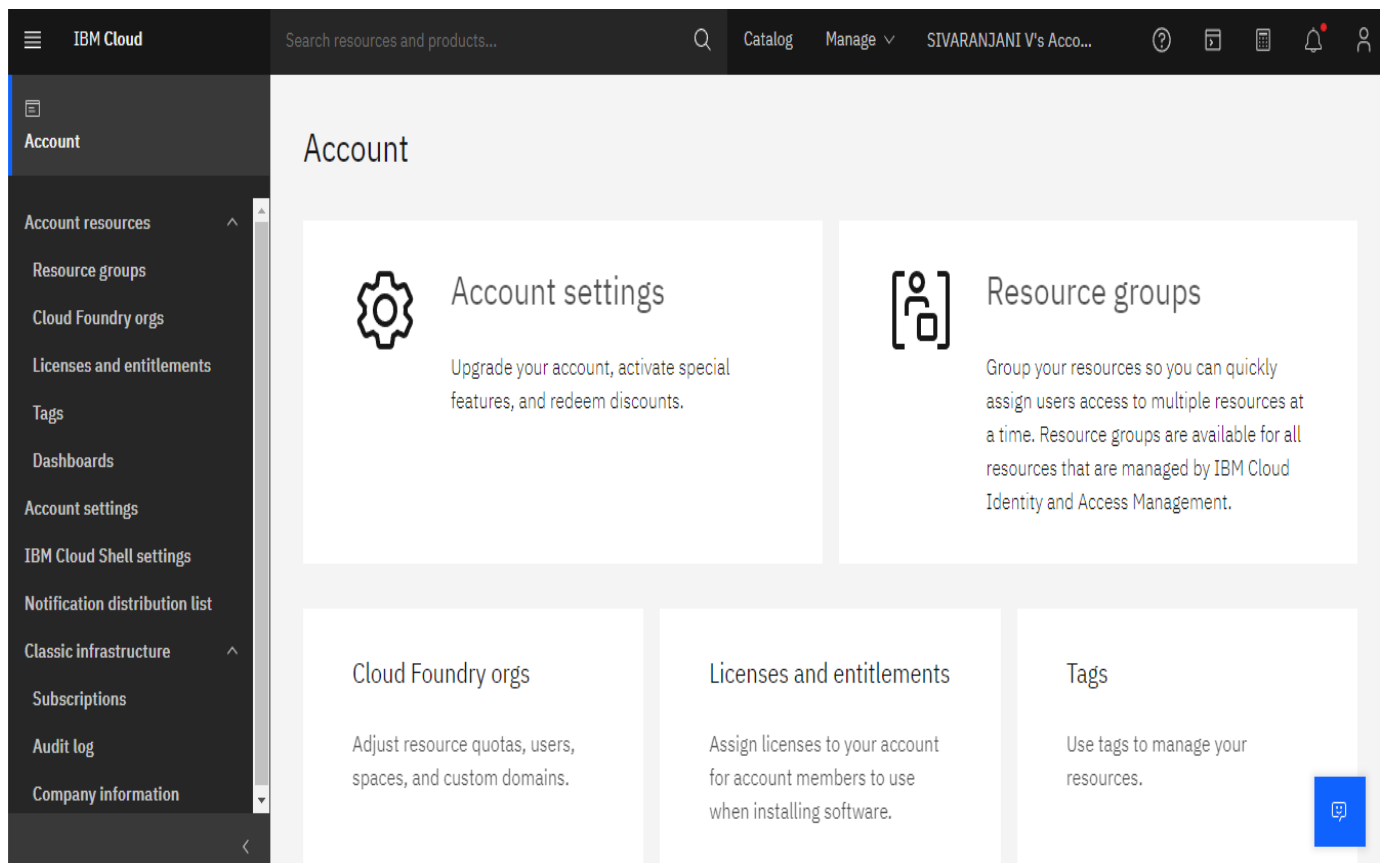


3.

2.Homepage of the IBM cloud is shown below.



3.Account Settings will be found under the account option under the Manage column.



4. We can access the detail of our accounts in the account settings.

The screenshot shows the IBM Cloud 'Account settings' page. The left sidebar contains a navigation menu with options: Account, Account resources, Resource groups, Cloud Foundry orgs, Licenses and entitlements, Tags, Dashboards, Account settings (highlighted), IBM Cloud Shell settings, Notification distribution list, Classic infrastructure, Subscriptions, Audit log, and Company information. The main content area is titled 'Account settings' and displays the following information:

- Account:** SIVARANJANI V's Account (with a link icon), ID: 413ffb3cd2534bd3b8a3fe3b9d4aad86
- Account type:** Trial (Free), 385 days remaining in Trial
- Account upgrade:** A section with three cards:
  - Pay-As-You-Go:** Add your credit card to unlock the full power of IBM Cloud with a Pay-As-You-Go account. You'll still be eligible for free runtime and service allowances, and you'll be charged only for paid services that you use. [Learn more](#). Below this is a blue 'Add credit card' button.
  - Subscription:** Get discounted pricing and increased billing predictability when you commit to a set amount of usage over time. [Learn more](#). Below this is a dark grey 'Upgrade' button.
  - Need help?:** [Contact sales](#)

At the bottom right of the main content area is a blue chat icon.

5. The options shown here will be below the Resource List.

The screenshot shows the IBM Cloud 'Resource list' page. The left sidebar contains a navigation menu with options: Account, Account resources, Resource groups, Cloud Foundry orgs, Licenses and entitlements, Tags, Dashboards, Account settings, IBM Cloud Shell settings, Notification distribution list, Classic infrastructure, Subscriptions, Audit log, and Company information. The main content area is titled 'Resource list' and features a 'Create resource' button in the top right corner. Below the title is a table with the following columns: Name, Group, Location, Product, Status, and Tags. The table has a search bar for each column. The table content is as follows:

Name	Group	Location	Product	Status	Tags
Compute (1+)					
Containers (0)					
Networking (0)					
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (2+)					
Developer tools (4+)					
Logging and monitoring (0)					
Migration (0)					

At the bottom right of the main content area is a blue chat icon.

6. In the resource list Node red Active cloudant will be available under the database option.

The screenshot shows the IBM Cloud console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog', 'Manage', and the user's account. Below this is a sidebar with icons for different resource categories. The main area displays a table of resources. The 'Databases' category is expanded, showing two entries for 'node-red-cyilp-2022--cloudant-1...'. The first entry is 'Active' and the second is 'Provisioned'.

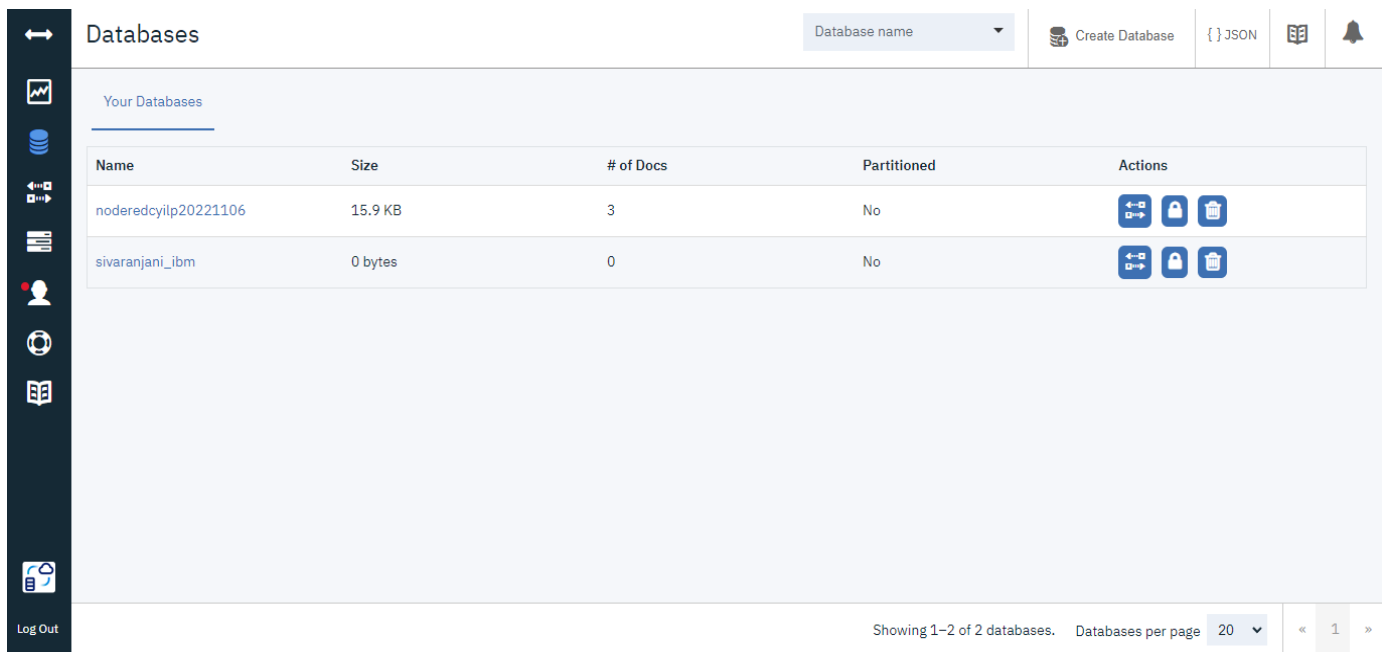
Name	Group	Location	Product	Status	Tags
<b>Compute (1)</b>					
Node RED CYILP 2022-11-06	SIVARANJANI_IBM / SIVARANJANI	London	Node.js	Started	—
<b>Containers (0)</b>					
<b>Networking (0)</b>					
<b>Storage (0)</b>					
<b>AI / Machine Learning (0)</b>					
<b>Analytics (0)</b>					
<b>Blockchain (0)</b>					
<b>Databases (2)</b>					
node-red-cyilp-2022--cloudant-1...	Default	London	Cloudant	Active	—
node-red-cyilp-2022--cloudant-1...	SIVARANJANI_IBM / SIVARANJANI	London	Cloudant	Provisioned	—

7. By clicking on the active cloudant link you will be directed to the below page.

The screenshot shows the details page for a specific Cloudant database resource. The breadcrumb is 'Resource list / node-red-cyilp-2022--cloudant-1667745542842'. The resource is 'Active'. The 'Overview' tab is selected, showing deployment details. The 'Manage' sidebar on the left has options for 'Service credentials', 'Plan', and 'Connections'. The 'Launch Dashboard' button is visible in the top right.

Deployment details	
CRN	crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/413ffb3cd2534bd3b8a3fe3b9d4aad86:8729a033-f995-f49e-9089-4ab26b8c7d7d::
Location	London
External endpoint	<a href="https://2c0798b0-f6ad-4d22-8582-1ea278bac8ae-bluemix.cloudant.com">https://2c0798b0-f6ad-4d22-8582-1ea278bac8ae-bluemix.cloudant.com</a>
External endpoint (preferred)	<a href="https://2c0798b0-f6ad-4d22-8582-1ea278bac8ae-bluemix.cloudantnosqldb.appdomain.cloud">https://2c0798b0-f6ad-4d22-8582-1ea278bac8ae-bluemix.cloudantnosqldb.appdomain.cloud</a>
Authentication methods	<a href="#">IBM Cloud IAM</a> and <a href="#">Cloudant credentials</a> <a href="#">Migrate to IAM Only</a>

8.To create cloudant database we have launch the dashboard.

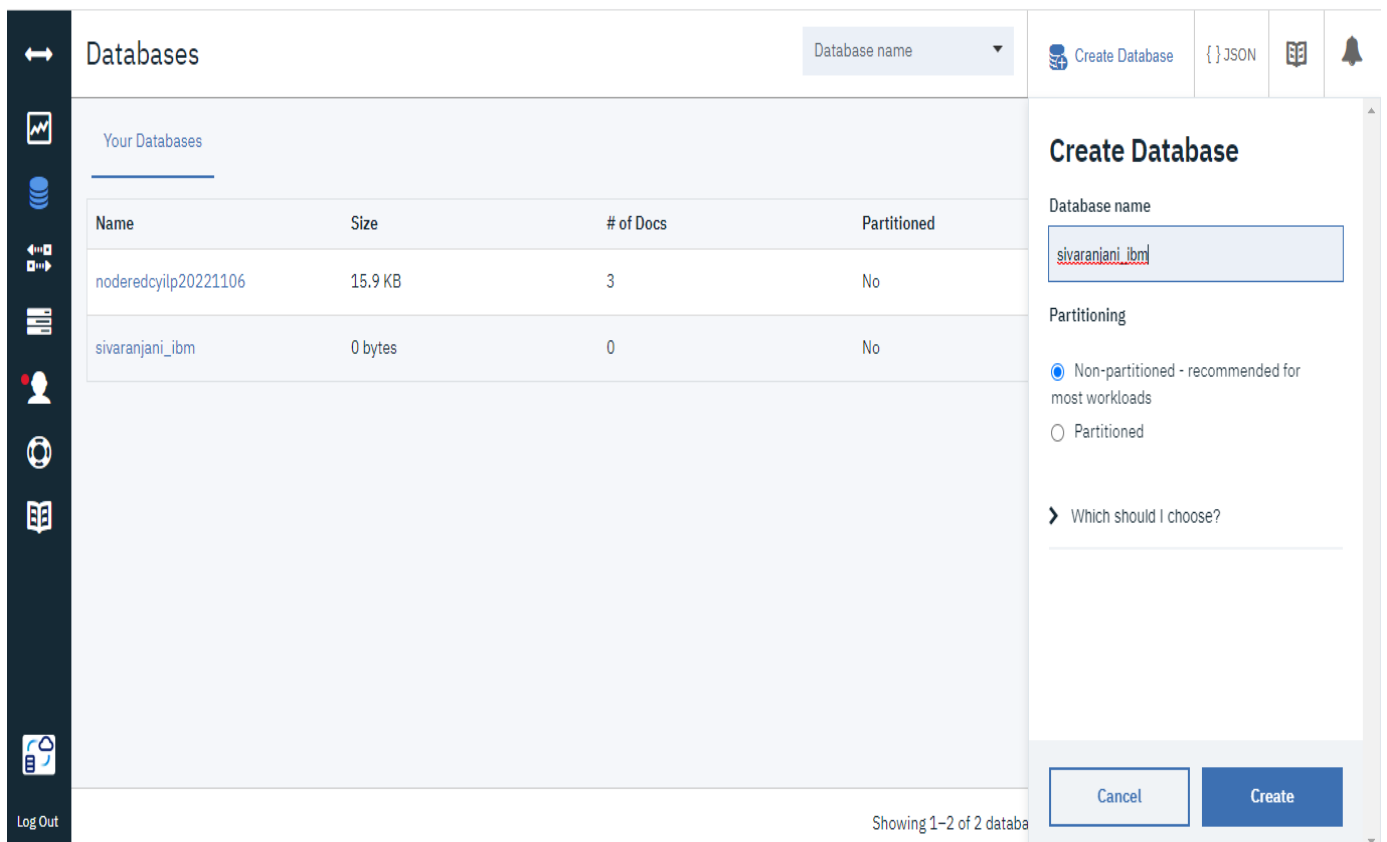


The screenshot shows the Cloudant Databases dashboard. On the left is a dark sidebar with navigation icons. The main header is 'Databases' with a 'Database name' dropdown. To the right are buttons for 'Create Database', a JSON icon, a document icon, and a bell icon. Below the header is a section titled 'Your Databases' containing a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
noderedcyilp20221106	15.9 KB	3	No	[Refresh] [Lock] [Delete]
sivaranjani_ibm	0 bytes	0	No	[Refresh] [Lock] [Delete]

At the bottom right, it says 'Showing 1-2 of 2 databases. Databases per page 20' with pagination controls.

9.Create a database by clicking the “create dataphase”option in the right corner of screen

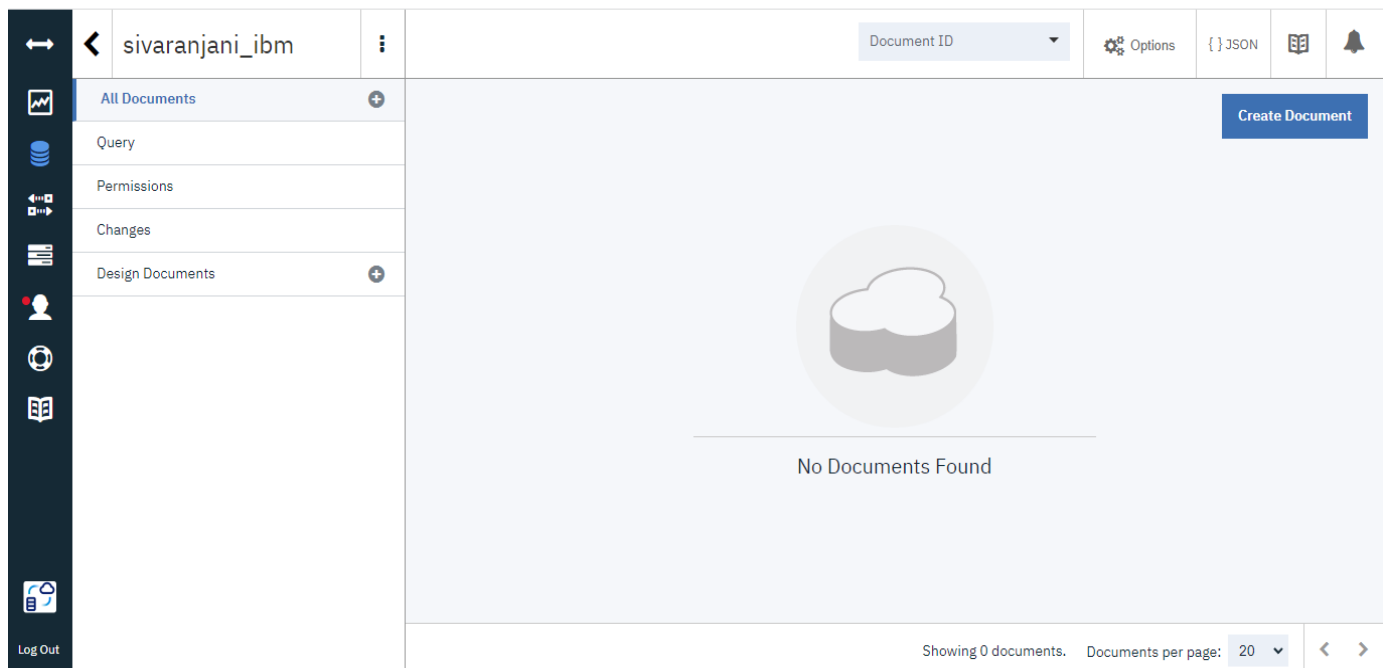


This screenshot shows the same Cloudant Databases dashboard as before, but with the 'Create Database' modal open on the right side. The modal has the following fields and options:

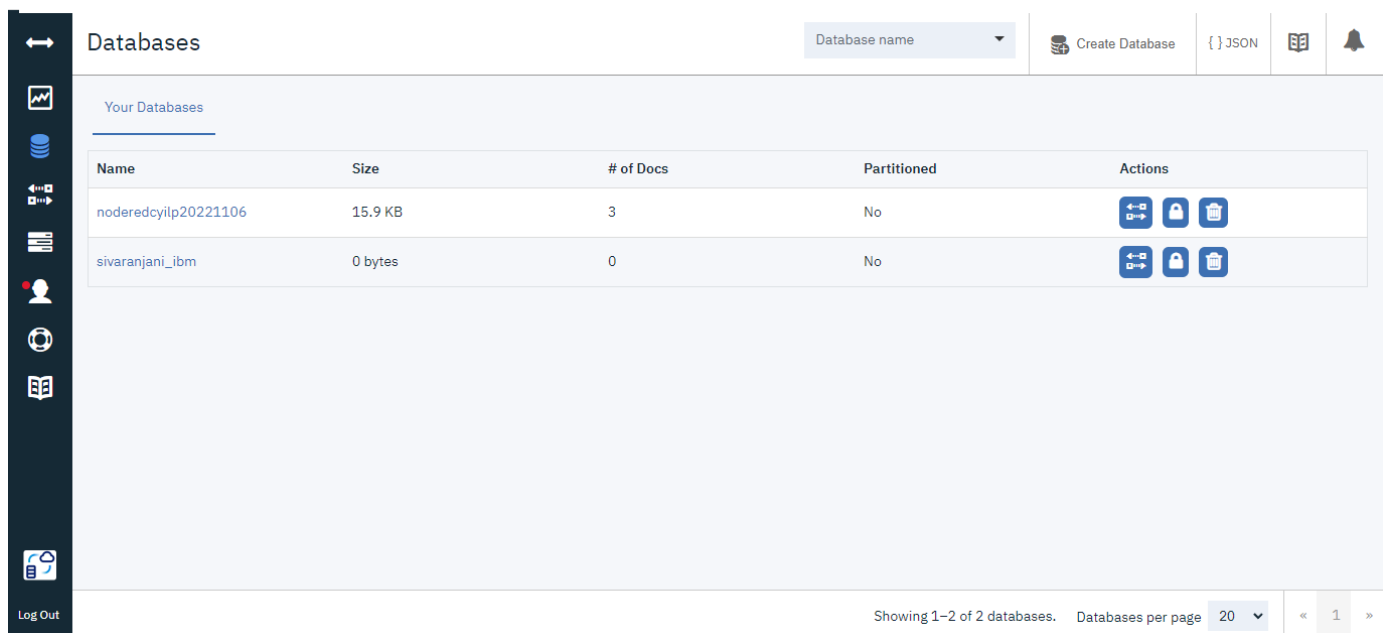
- Create Database** (Title)
- Database name**: A text input field containing 'sivaranjani\_ibm'.
- Partitioning**: Two radio button options: 'Non-partitioned - recommended for most workloads' (which is selected) and 'Partitioned'.
- Which should I choose?**: A section with a right-pointing arrow and a text input field.
- Buttons**: 'Cancel' and 'Create' buttons at the bottom.

The background dashboard is partially visible behind the modal.

10.The Cloudant database is created successfully.



11.The Created Cloudant database will be available here.



## RESULT:

The Cloudant Database is created successfully.