PROJECT DEVELOPMENT PHASE

SPRINT-3

IBM WATSON IOT PLATFORM

STEPS:
- First create an IBM cloud account with IBMid and password.
- Home page of IBM cloud.
- Click on the catalog on the top.
- Click on IoT in the category mentioned.
- If already a lite is present delete it else u can't create another.
- Enter the location and in the configure your resource type the service nameand choose the plan, tick the agree with agreements and then click on create.
- Internet of Things Platform Child safety will be created, where there are different options like manage, plan, and connection (manage is for launch,Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)

- After Clicking the Launch Button select the Devices option and click on adddevice and complete the Device Setup.
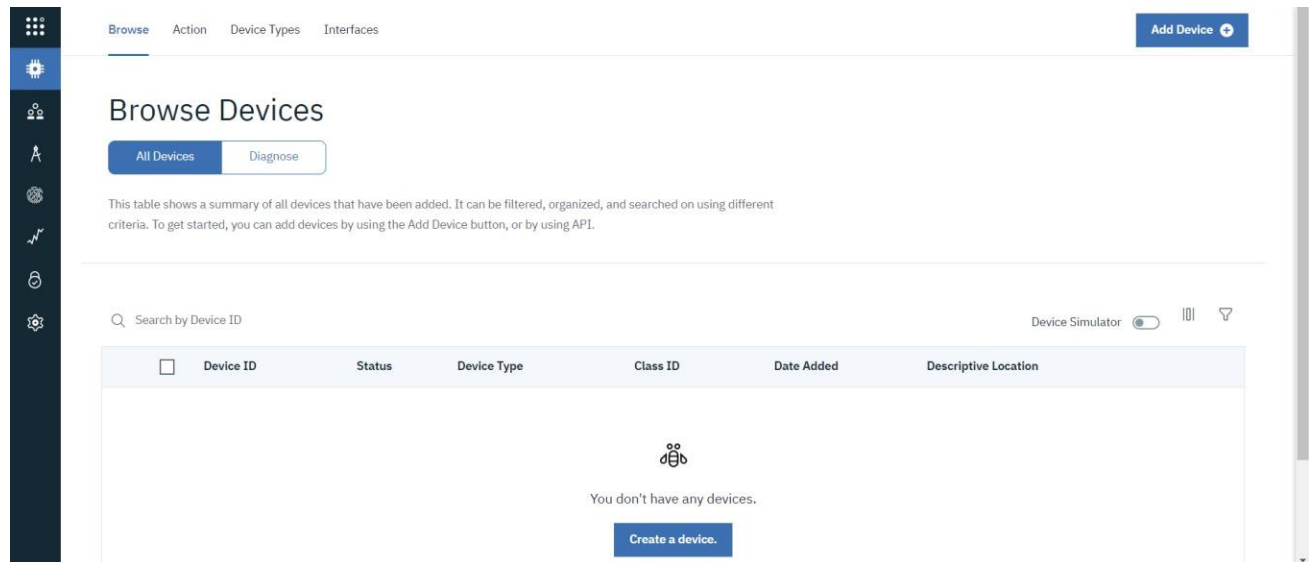
- Clicking on the device tab we can now see the added device. Clicking on itwill display the other details. It has different tabs like Identity, Device Information, State and login.

- In a similar way, we can create n number of devices with a 50 per pagelimit asper the requirement of our project.

- The Boards will display card for the project.

NODE-RED SERVICES

- Navigated to the App creation page
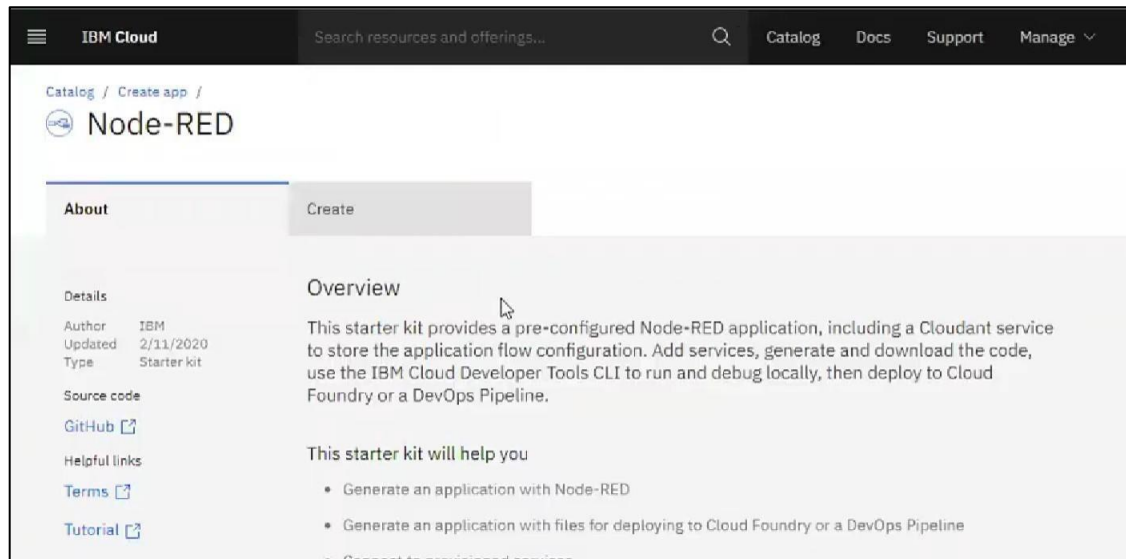
- Entered project details and clicked on create
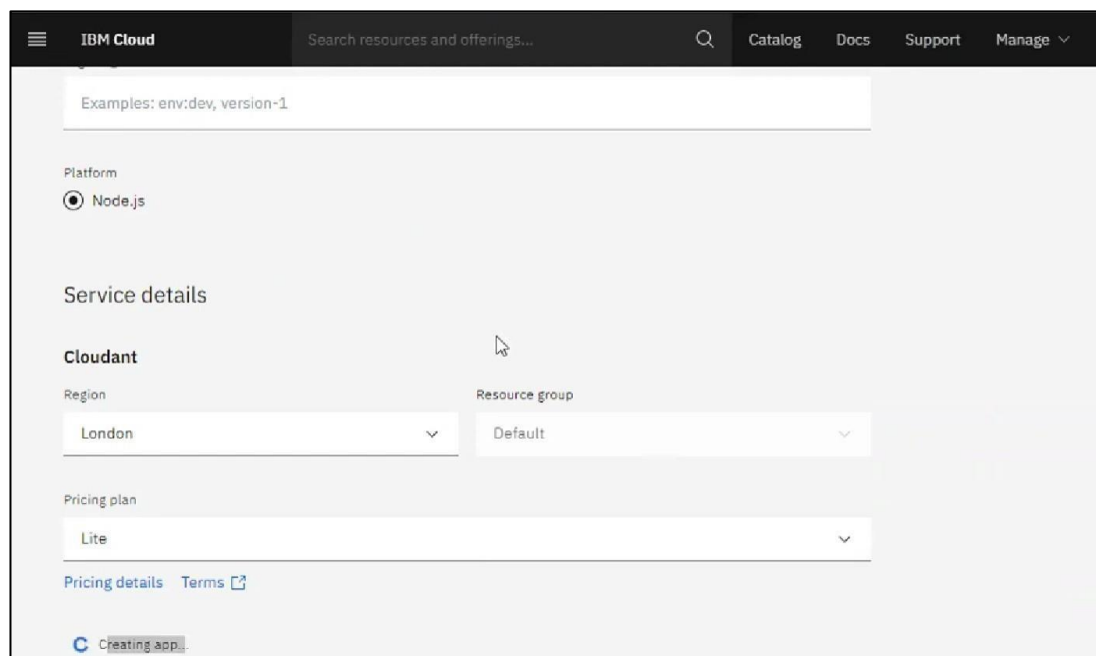
- Clicking on the "Deploy your App" Button

Deployment Automation

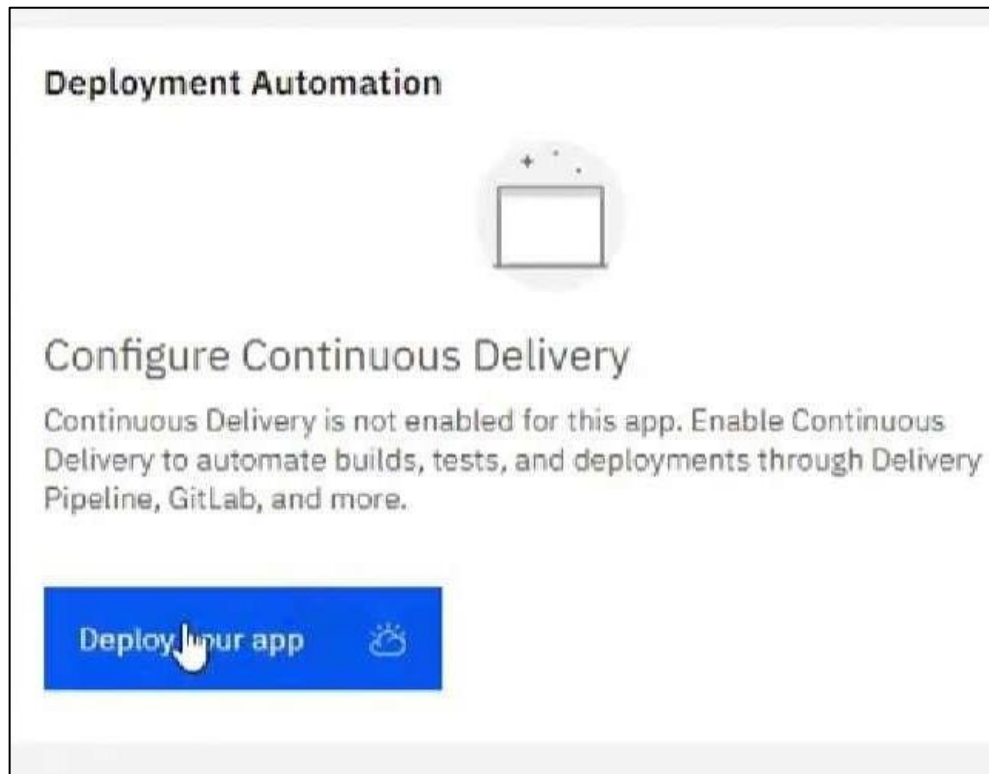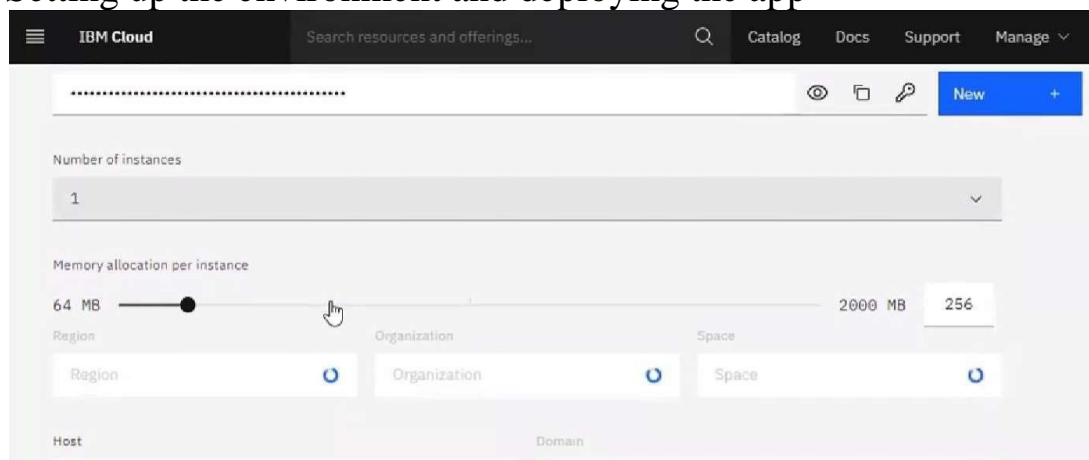**Configure Continuous Delivery**

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

- Setting up the environment and deploying the app

IBM Cloud   Search resources and offerings...   Catalog   Docs   Support   Manage

New

Number of instances

1

Memory allocation per instance

64 MB ——————————————————— 2000 MB   256

Region   Organization   Space

Region   Organization   Space

Host   Domain

- Successfully deployed the app
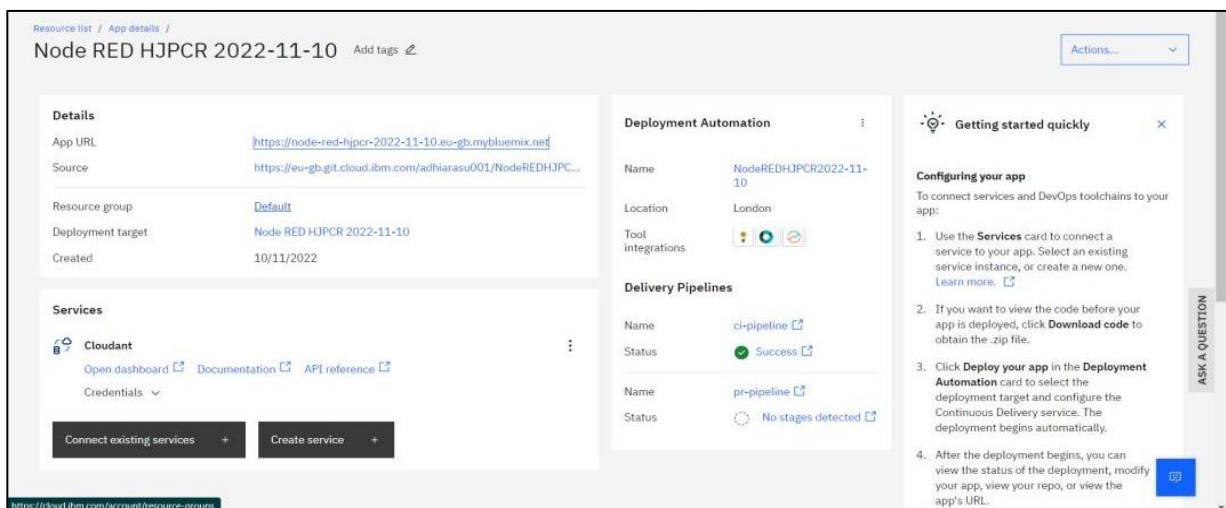
- Welcomed by the instance editor

Welcome to your new Node-RED instance on IBM Cloud

We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:

- Secure your Node-RED editor
- Learn how to install additional nodes

- Setting up credentials

○ Secure your editor so only authorised users can access it

● *Not recommended*: Allow anyone to access the editor and make changes

Your editor will not be secured. Anyone with the URL will be able to access your flows, data and bound services.
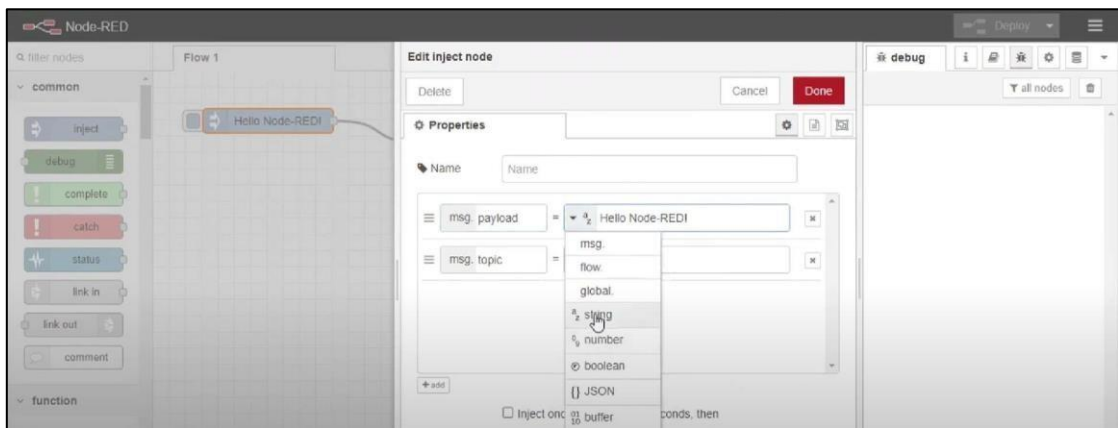
☑ Tick this box to confirm you want your editor to be insecure

- Dragged and dropped components into the editor
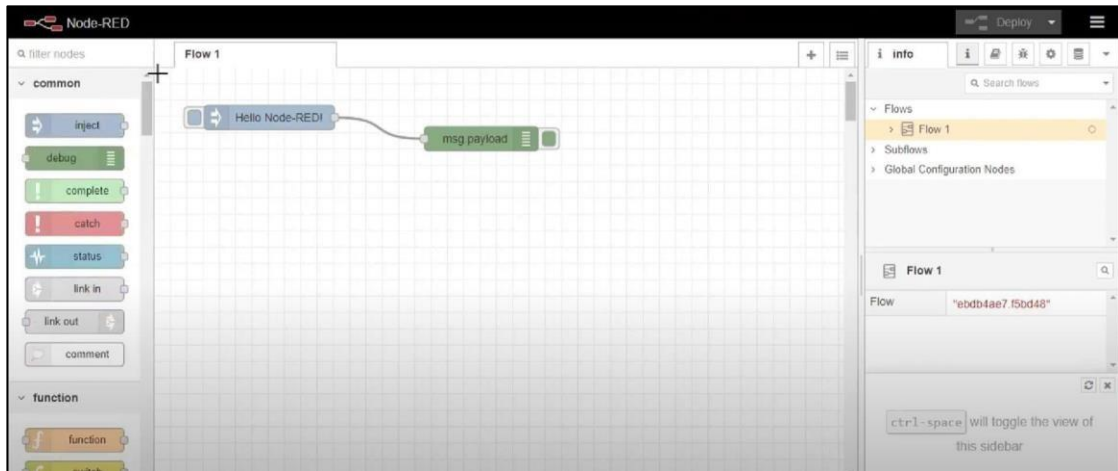
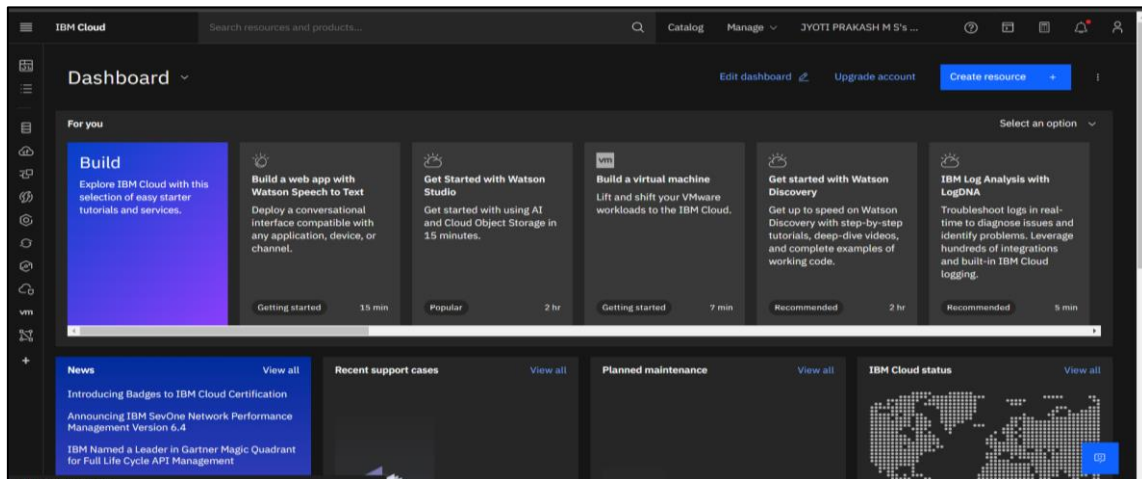
- Editing some values of the properties
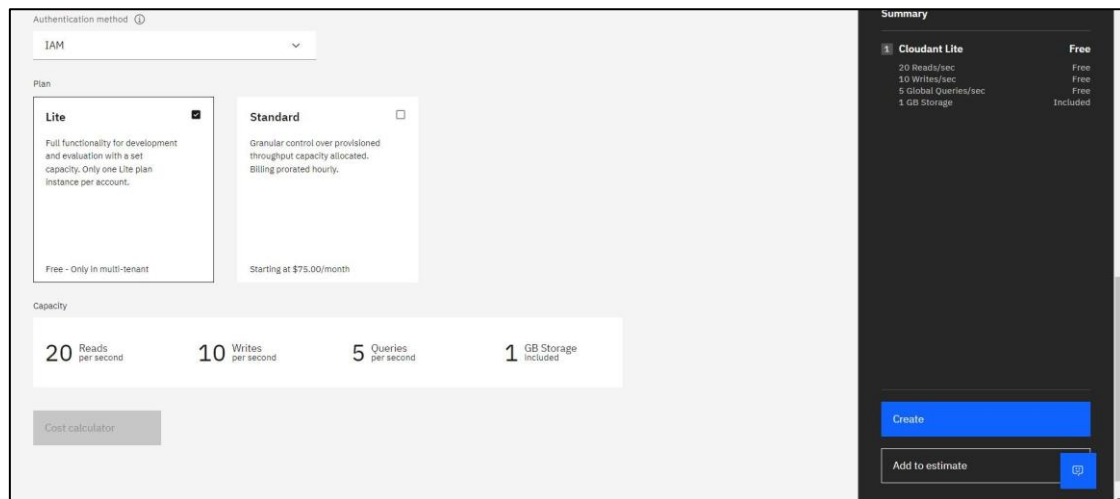

- Successfully deployed the app

DATABASE IN CLOUDANT DB

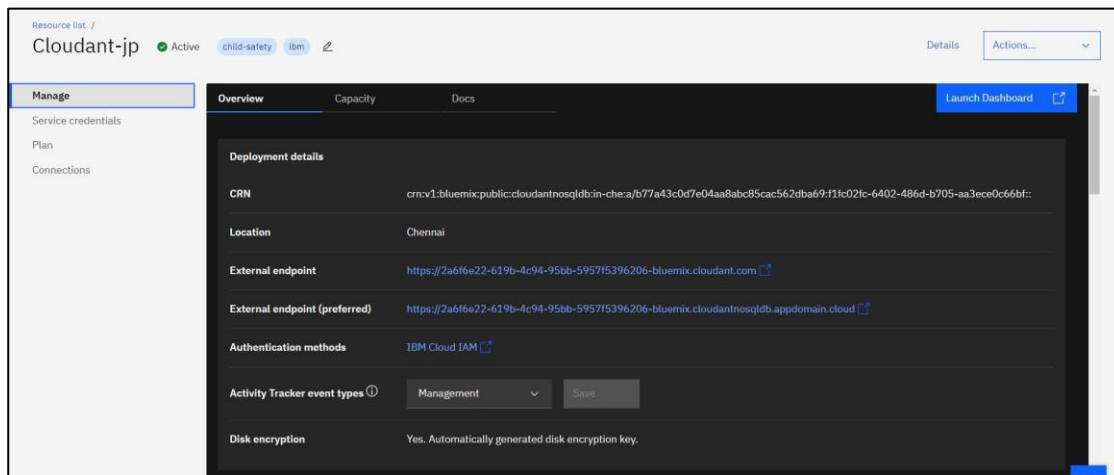To create a database in Cloudant DB to store location data Steps:

- Log in to IBM Cloud account
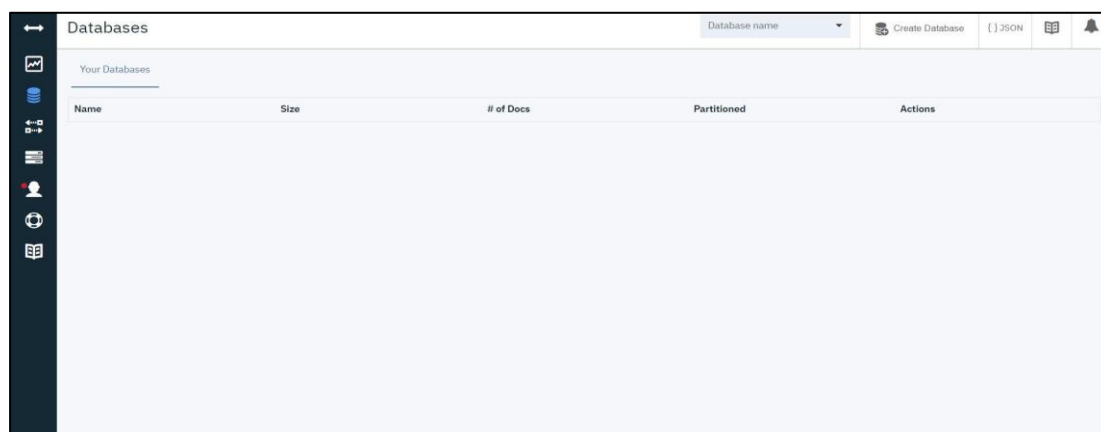- Click "Create Resource +" button

- Search for "Cloudant"
- Choose the "Lite Version"
- Click on "Create"

- The Cloudant database resource created

- click on launch dashboard

Click "Create Database". Entered "Jyoti Prakash M S"
as the database name and the "Non-partitioned" option

- The database "Jyoti Prakash M S" has been created.