

# SPRINT 3

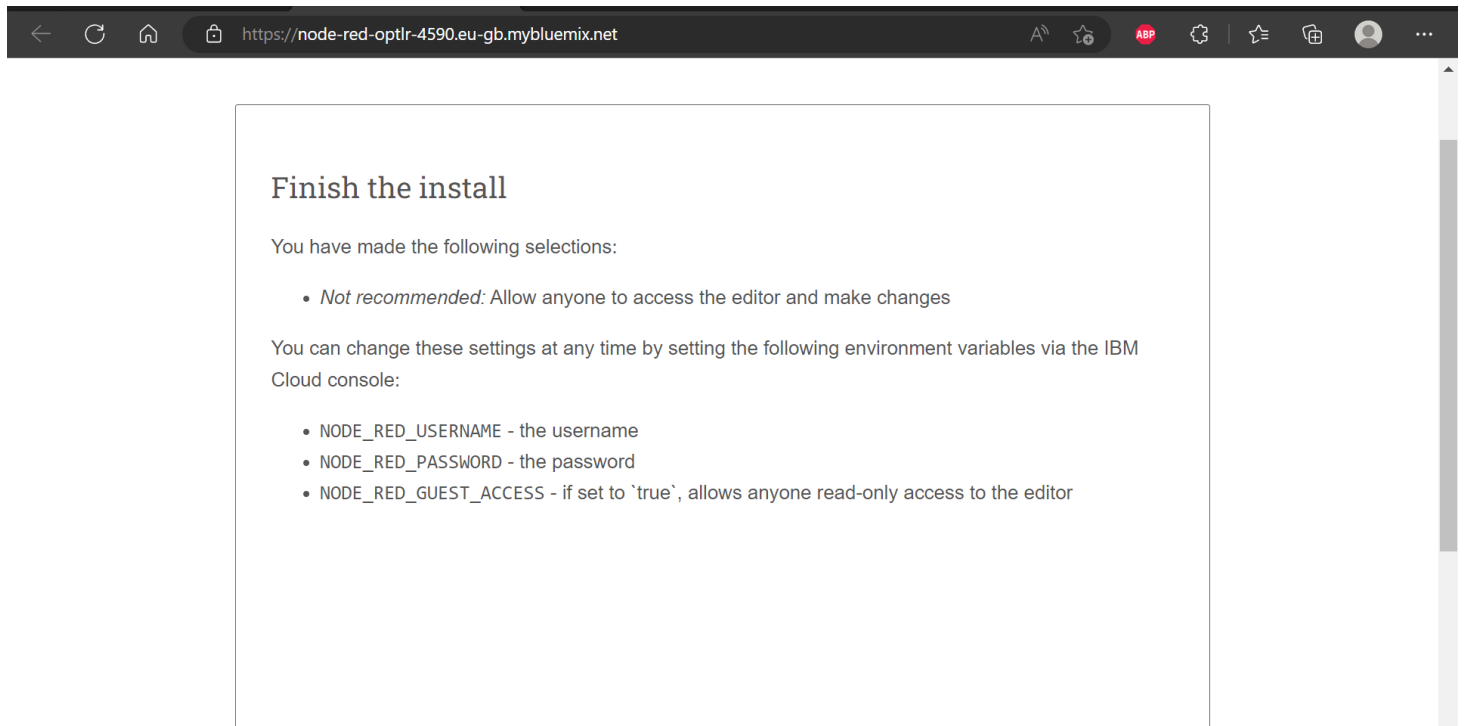
Team ID	PNT2022TMID04590
Project Name	<b>Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification</b>

## Aim:

Creating a Geo fence using Node red service and cloudant DB database.

## Steps:

Installing and Creating a NodeRed service



Cloudant DB database:

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https://cloud.ibm.com/services/cloudantnosqldb/crn%3Av1%3Abluemix%3Apublic%3Acloudantnosql...

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☰ IBM Cloud

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Resource list /

node-red-optlr-4590-cloudant-1668055359528 ✔ Active Add tags Details Actions...

Manage

Overview Capacity Docs

Launch Dashboard

Service credentials

Plan

Connections

External endpoint (preferred)

https://c0ca3ab1-5326-4eca-9ec6-8200d065f03c-bluemix.cloudantnosqldb.apdomain.cloud

Authentication methods

IBM Cloud IAM Cloudant credentials

Migrate to IAM Only

Activity Tracker event types ⓘ

Management

Save

Disk encryption

Yes. Automatically generated disk encryption key.

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https://c0ca3ab1-5326-4eca-9ec6-8200d065f03c-bluemix.cloudant.com/dashboard.html#/\_all\_dbs

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↔ Databases

Database name ▾

Create Database

{ } JSON

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Your Databases

Name	Size	# of Docs	Partitioned	Actions
noderedoptlr4590	35,5 KB	4	No	<div>🔗 🔒 🗑️</div>

Log Out

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

« 1 »

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 has a top header with the breadcrumb 'noderedoptlr4590'. Below this is a menu with options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. A sub-menu under 'Design Documents' shows a 'library' item. The right side of the dashboard displays document metadata in a table view. The table has columns for 'id', 'key', and 'value'. It lists four documents, each with a checkbox icon to its left. At the bottom right, there's a status bar indicating 'Showing document 1 - 4.' and a dropdown for 'Documents per page:' set to '20'.

	id	key	value
<input type="checkbox"/>	_design/library	_design/library	{ "rev": "1-c93136490a0976..." }
<input type="checkbox"/>	nodered/credential	nodered/credential	{ "rev": "9-0e41f0e651cc3c1..." }
<input type="checkbox"/>	nodered/flow	nodered/flow	{ "rev": "46-0c5946d6ffd03a..." }
<input type="checkbox"/>	nodered/settings	nodered/settings	{ "rev": "13-ee94a1404d4aa..." }

IBM Cloud

Cloudant Dashboard - database: /

https://c0ca3ab1-5326-4eca-9ec6-8200d065f03c-bluemix.cloudant.com/dashboard.html#database/n...

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noderedoptlr4590

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Document ID

Options

{ } JSON

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🔔

All Documents

+

Query

Permissions

Changes

Design Documents

▶ 

library

 +

☐

Table

Metadata

{ } JSON

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Create Document

\_id

credentials

flow

settings

views

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\_design/library

{ "flow\_entries\_...

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nodered/crede...

{ "\$": "35856b...

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nodered/flow

[ { "id": "e92ba...

☐

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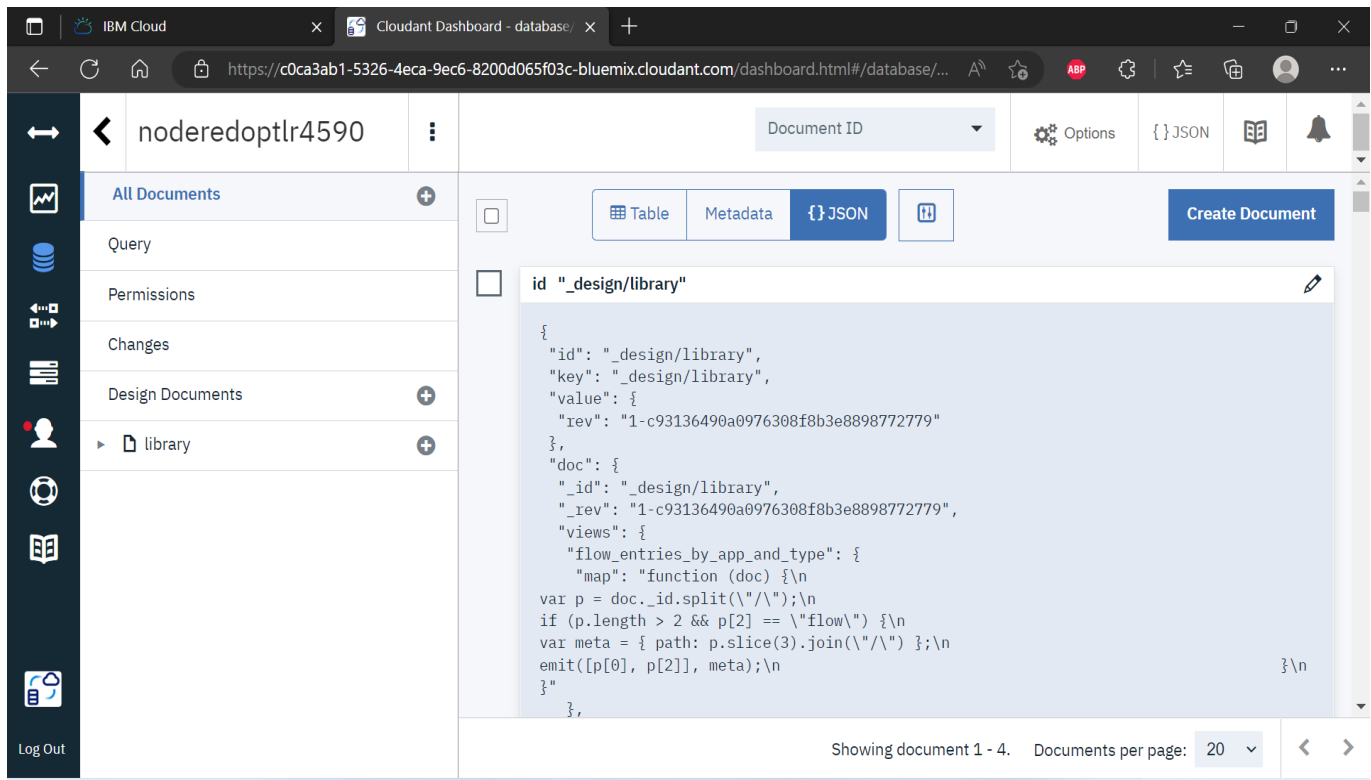
nodered/settings

{ "bluemixConf...

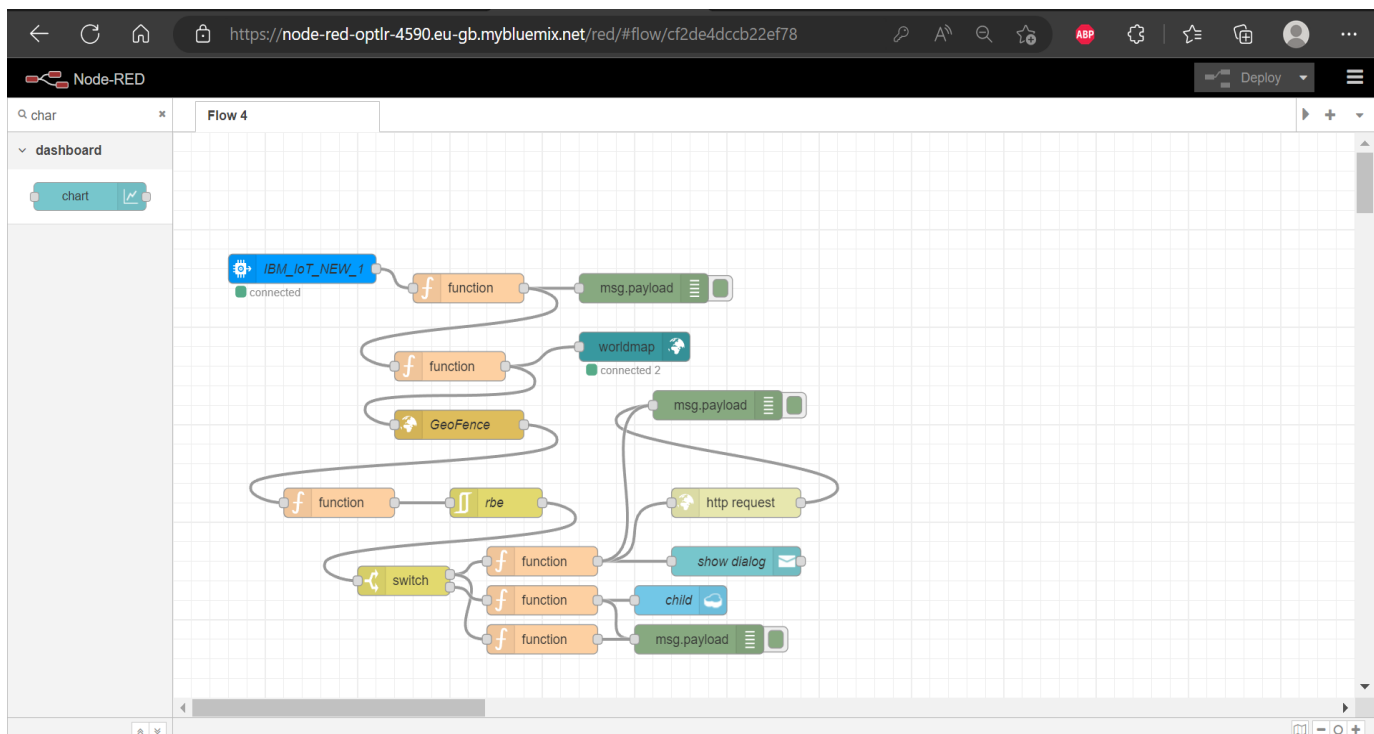
Showing 5 of 6 columns. ☐ Show all columns.

Documents per page: 20

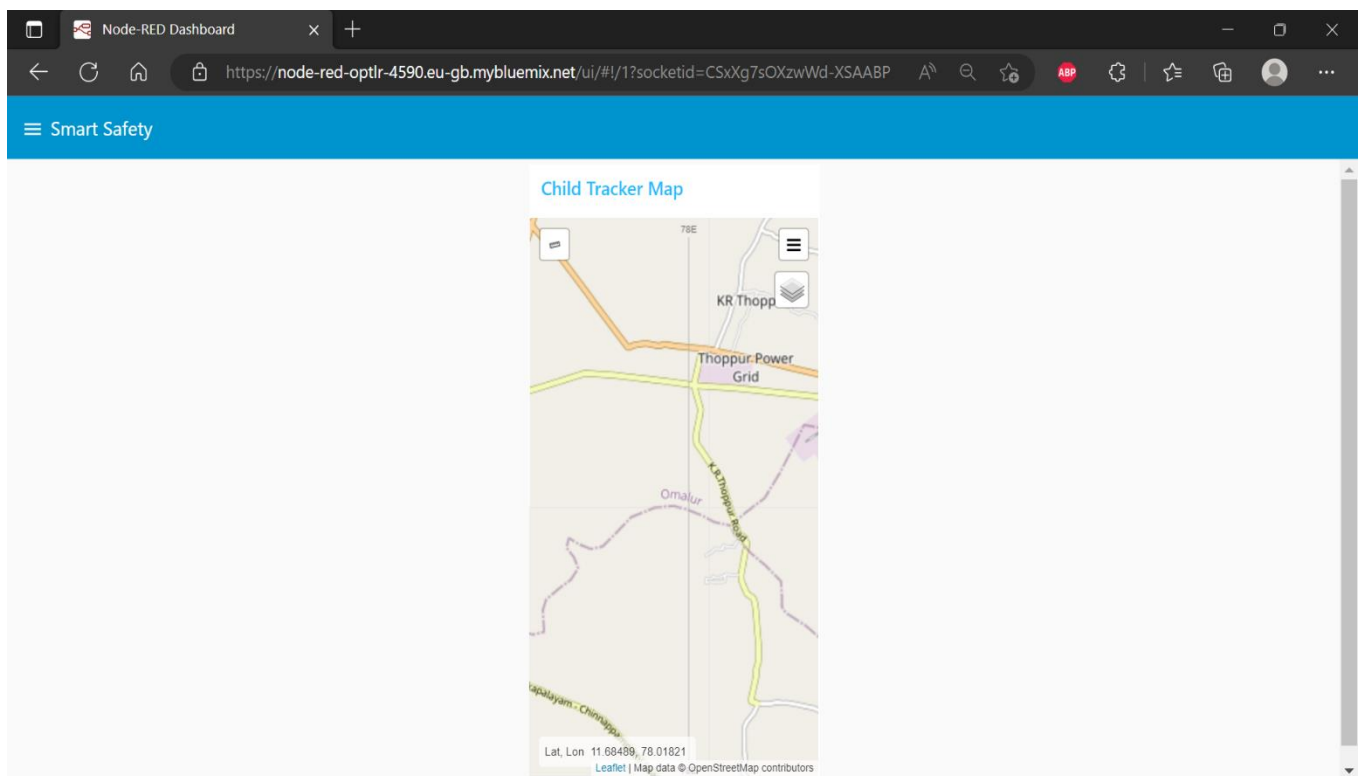
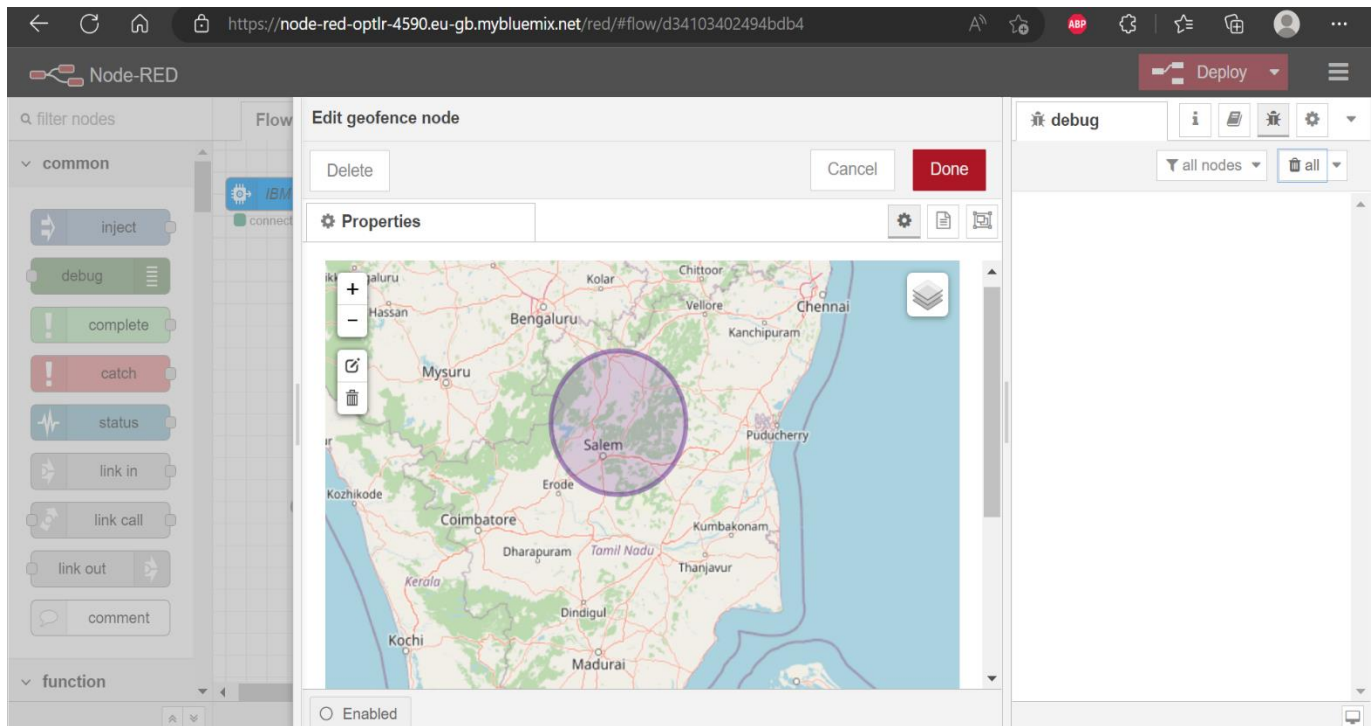
◀ ▶



## Flowchart of our project in Nodered



## Marked Geofence in Nodered



## RESULT:

Successfully we Created a Geo fence using Node red service and cloudant DB database.