

**PROJECT DEVELOPMENT PHASE**  
**SPRINT-4**  
**CLOUDANT AND SMS**

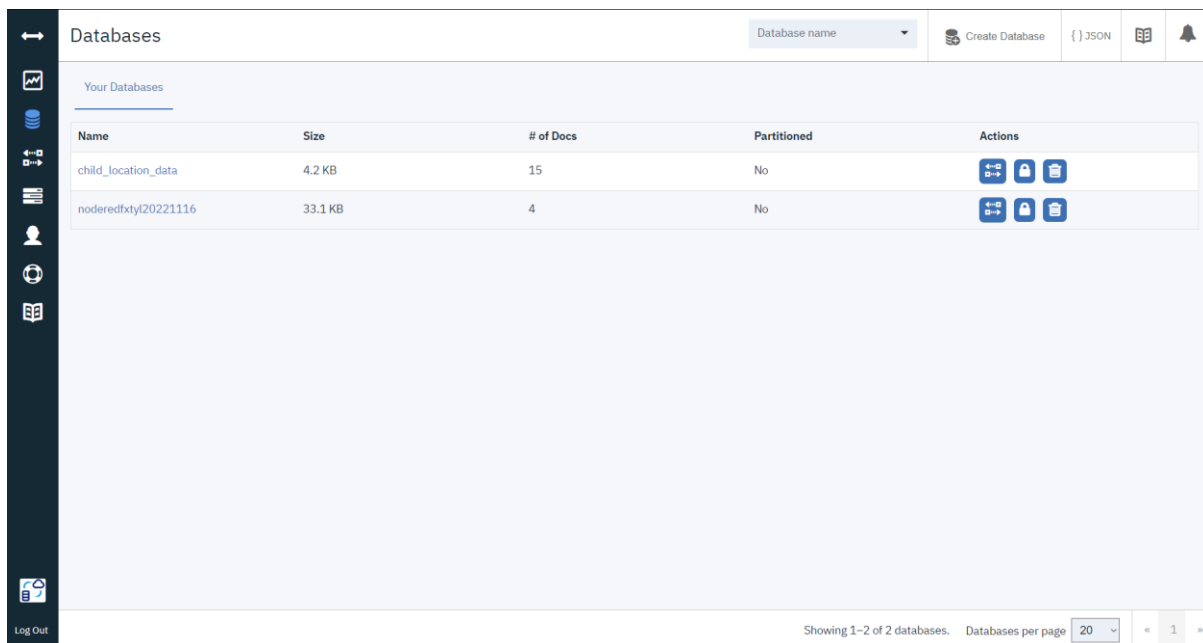
Date	17 November 2022
Team ID	PNT2022TMID31875
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	10 Marks

**AIM:**







To create cloudant database in IBM cloud and send alert message when the child is out of geofence through fast2sms.

**CLOUDANT:**

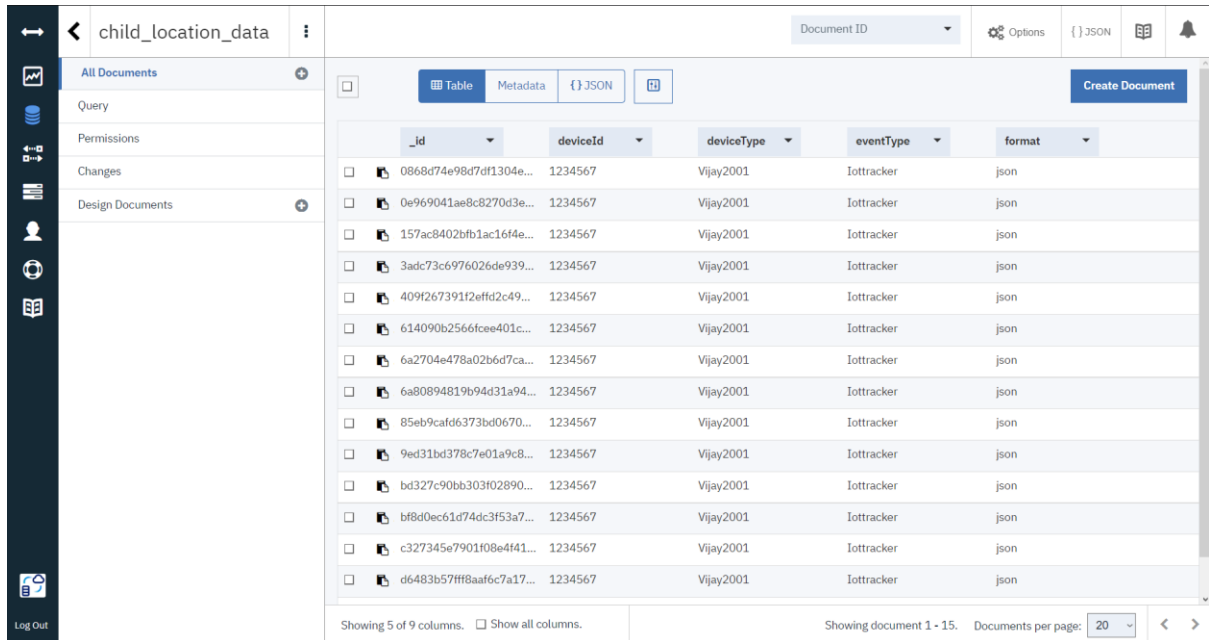
- Created database in IBM cloudant service as child\_location\_data.



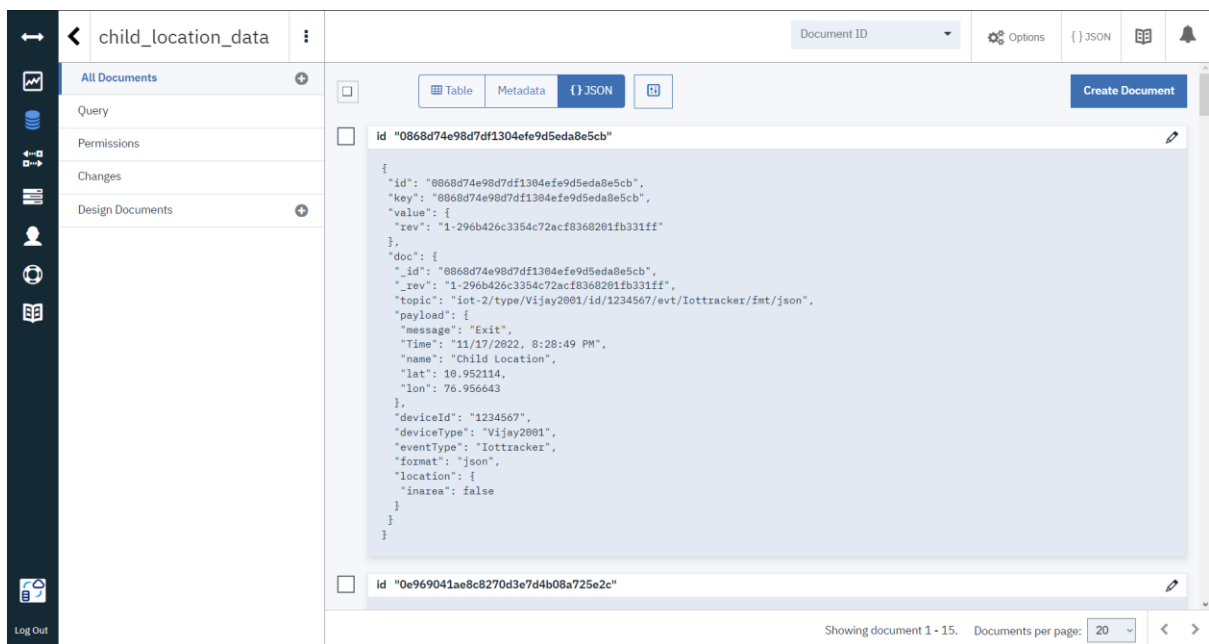
The screenshot displays the IBM Cloudant 'Databases' management page. On the left is a dark sidebar with navigation icons and a 'Log Out' button at the bottom. The main content area has a header with 'Databases', a 'Database name' dropdown, and buttons for 'Create Database', 'JSON', and a notification bell. Below the header is a table titled 'Your Databases' with columns: Name, Size, # of Docs, Partitioned, and Actions. Two databases are listed: 'child\_location\_data' (4.2 KB, 15 docs, not partitioned) and 'noderedfxtyl20221116' (33.1 KB, 4 docs, not partitioned). Each row has three action icons: a plus sign, a lock, and a trash can. At the bottom right, a footer indicates 'Showing 1-2 of 2 databases.' and 'Databases per page' set to 20, with a page number '1' and navigation arrows.

Name	Size	# of Docs	Partitioned	Actions
child_location_data	4.2 KB	15	No	  
noderedfxtyl20221116	33.1 KB	4	No	  

- Store the location coordinates in database



	_id	deviceId	deviceType	eventType	format
<input type="checkbox"/>	0868d74e98d7df1304e...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	0e969041ae8c8270d3e...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	157ac8402bfb1ac164e...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	3adc73c6976026de939...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	409f267391f2efd2c49...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	614090b2566fcee401c...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	6a2704e478a02b6d7ca...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	6a80894819b94d31a94...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	85eb9cafd6373bd0670...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	9ed31bd378c7e01a9c8...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	bd327c90bb303f02890...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	bf8d0ec61d74dc3f53a7...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	c327345e7901f08e4f41...	1234567	Vijay2001	Iottracker	json
<input type="checkbox"/>	d6483b57f8baaf6c7a17...	1234567	Vijay2001	Iottracker	json

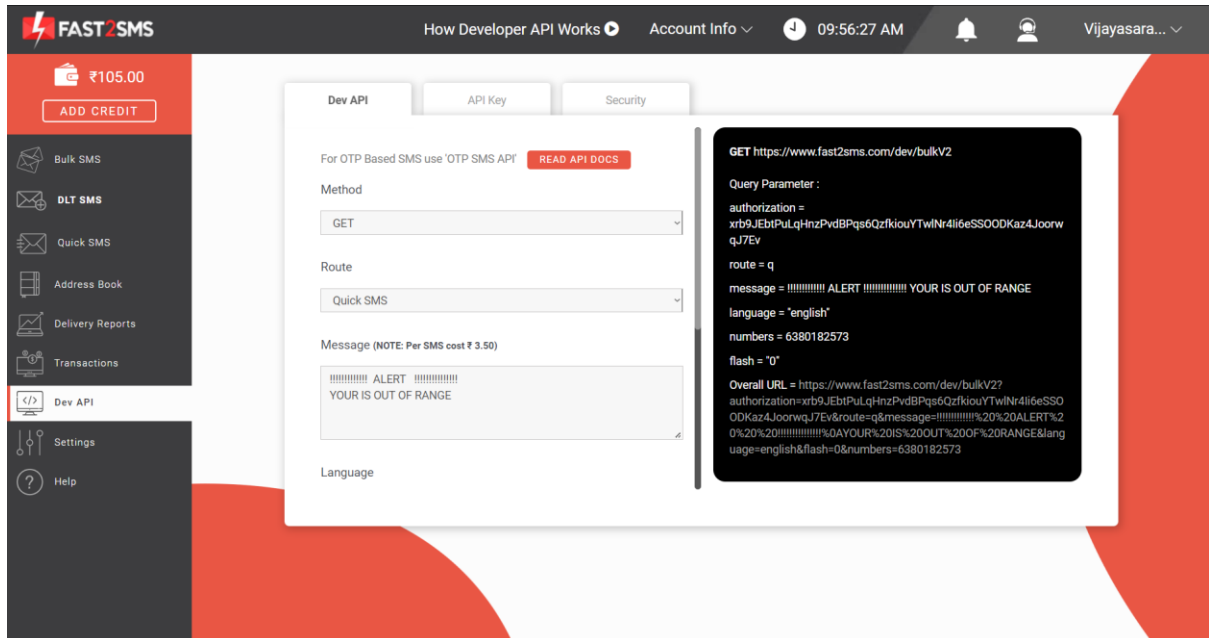


	id
<input type="checkbox"/>	"0868d74e98d7df1304efe9d5eda8e5cb"

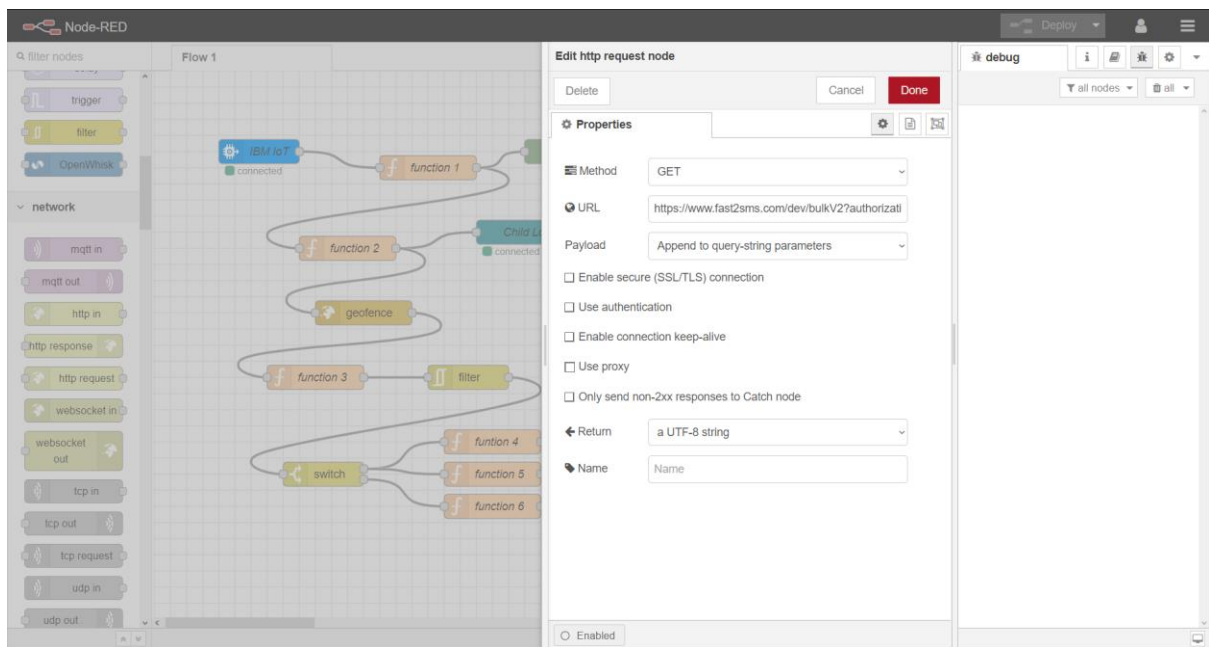
```
{
  "id": "0868d74e98d7df1304efe9d5eda8e5cb",
  "key": "0868d74e98d7df1304efe9d5eda8e5cb",
  "value": {
    "rev": "1-296b426c3354c72acf8368201fb331ff"
  },
  "doc": {
    "_id": "0868d74e98d7df1304efe9d5eda8e5cb",
    "_rev": "1-296b426c3354c72acf8368201fb331ff",
    "topic": "iot-2/type/Vijay2001/id/1234567/evt/Iottracker/fmt/json",
    "payload": {
      "message": "Exit",
      "Time": "11/17/2022, 8:28:49 PM",
      "name": "Child Location",
      "lat": 10.952114,
      "lon": 76.956643
    },
    "deviceId": "1234567",
    "deviceType": "Vijay2001",
    "eventType": "Iottracker",
    "format": "json",
    "location": {
      "inarea": false
    }
  }
}
```

## ALERT SMS:

- Created Dev API ULR to send message through Fast2sms services.



- Paste the url in http request node in node red.



**SMS RECEIVED TO MOBILE PHONE:**

