

# Project Development - Sprint 4

## Iot Based Safety For Child Safety Monitoring & Notification

TEAM ID:PNT2022TMID53721

### Creating Cloudant DB and integrating Node-Red with the Web UI

#### Create Cloudant DB:

The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM logo, a search bar, and links to Catalog, Manage, and the user profile (Mohamed Arsath's Acc...). The main content area displays the details for a Cloudant service instance named 'node-red-xvqyc-2022--cloudant-1666110236541'. The instance is in an 'Active' state. The 'Overview' tab is selected, showing deployment details such as CRN, Location (Frankfurt), External endpoint, and Authentication methods. A 'Launch Dashboard' button is visible in the top right corner of the details panel.

Resource list / node-red-xvqyc-2022--cloudant-1666110236541 Active Add tags Details Actions...

**Manage** Overview Capacity Docs Launch Dashboard

Service credentials  
Plan  
Connections

**Deployment details**

CRN: crn:v1:bluemix:public:cloudantnosqldb:eu-de:a%3Aa%2Ffb03c5544784d13bd7eb8145cc57fb8%3A6df...-89f9-8fb37474b4aa::

Location: Frankfurt

External endpoint: <https://c3e222f3-2ae3-48a0-a322-81b026dda538-bluemix.cloudant.com>

External endpoint (preferred): <https://c3e222f3-2ae3-48a0-a322-81b026dda538-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods: IBM Cloud IAM and Cloudant credentials Migrate to IAM Only

Activity Tracker event types Management

The screenshot shows the Cloudant dashboard interface. The top navigation bar includes the IBM logo, a search bar, and links to Catalog, Manage, and the user profile (Mohamed Arsath's Acc...). The main content area displays the 'Databases' section. A table lists the databases, including 'noderedxvqyc20221018' and 'tracker'. The 'noderedxvqyc20221018' database has a size of 30.6 KB, 4 documents, and is not partitioned. The 'tracker' database has a size of 0.9 KB, 8 documents, and is not partitioned. A 'Log Out' button is visible in the bottom left corner.

Databases Database name Create Database { } JSON 🔔

Your Databases

Name	Size	# of Docs	Partitioned	Actions
noderedxvqyc20221018	30.6 KB	4	No	<span>🔍</span> <span>🔒</span> <span>🗑️</span>
tracker	0.9 KB	8	No	<span>🔍</span> <span>🔒</span> <span>🗑️</span>

Log Out

Showing 1-2 of 2 databases. Databases per page 20 « 1 »

IBM EPBL/IBM-PI (no subject) Service Details IBM Watson Node-RED Node-RED DASH Cloudant Dashboard

c3e222f3-2ae3-48a0-a322-81b026dda538-bluemix.cloudant.com/dashboard.html#database/tracker/\_all\_docs

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tracker

Document ID Options {} JSON

All Documents Query Permissions Changes Design Documents

Table Metadata {} JSON Create Document

	id	key	value
<input type="checkbox"/>	243c8d3c82321defd52d973b3850c5...	243c8d3c82321defd52d973b3850c5...	{ "rev": "1-1be28f38f381cb71781bb8...
<input type="checkbox"/>	3c5831168e309478fe65f3271ee47a3	3c5831168e309478fe65f3271ee47a3	{ "rev": "1-d29f8b3aa06ac3dbc505a6...
<input type="checkbox"/>	4cc89929b02fd4c89952dee2b22a93...	4cc89929b02fd4c89952dee2b22a93...	{ "rev": "1-db8d15522b93488c03e80...
<input type="checkbox"/>	4e1c9642039d888de745618b166f8...	4e1c9642039d888de745618b166f8...	{ "rev": "1-ac6b5b0e78a9127c524ca...
<input type="checkbox"/>	59701335fcb58f8a32a115d07cc637fa	59701335fcb58f8a32a115d07cc637fa	{ "rev": "1-0f158b6e4dfd987bbd9a3c...
<input type="checkbox"/>	a540e8c2ea76492b3f8f63aad920aa7e	a540e8c2ea76492b3f8f63aad920aa7e	{ "rev": "1-2c477f293e593ce3f69eba...
<input type="checkbox"/>	df30687c4a21e2f76d40b7257aa278...	df30687c4a21e2f76d40b7257aa278...	{ "rev": "1-e658fb3d010c611ef17fae...
<input type="checkbox"/>	f293c3bd3be052d89fb1b8320526b2...	f293c3bd3be052d89fb1b8320526b2...	{ "rev": "1-9aec245bf9e918af2261c5...

Showing document 1 - 8. Documents per page: 30

Type here to search 26°C 5:59 PM 11/17/2022

## Node-Red Service IN Area:

IBM EPBL/IBM-PI (no subject) - 110 Service Details IBM Watson IoT Node-RED Node-RED DASH

node-red-xvqyc-2022-10-18.eu-gb.mybluemix.net/red/#flow/b865807a9fde9b7d

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Node-RED

filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function

Flow 1

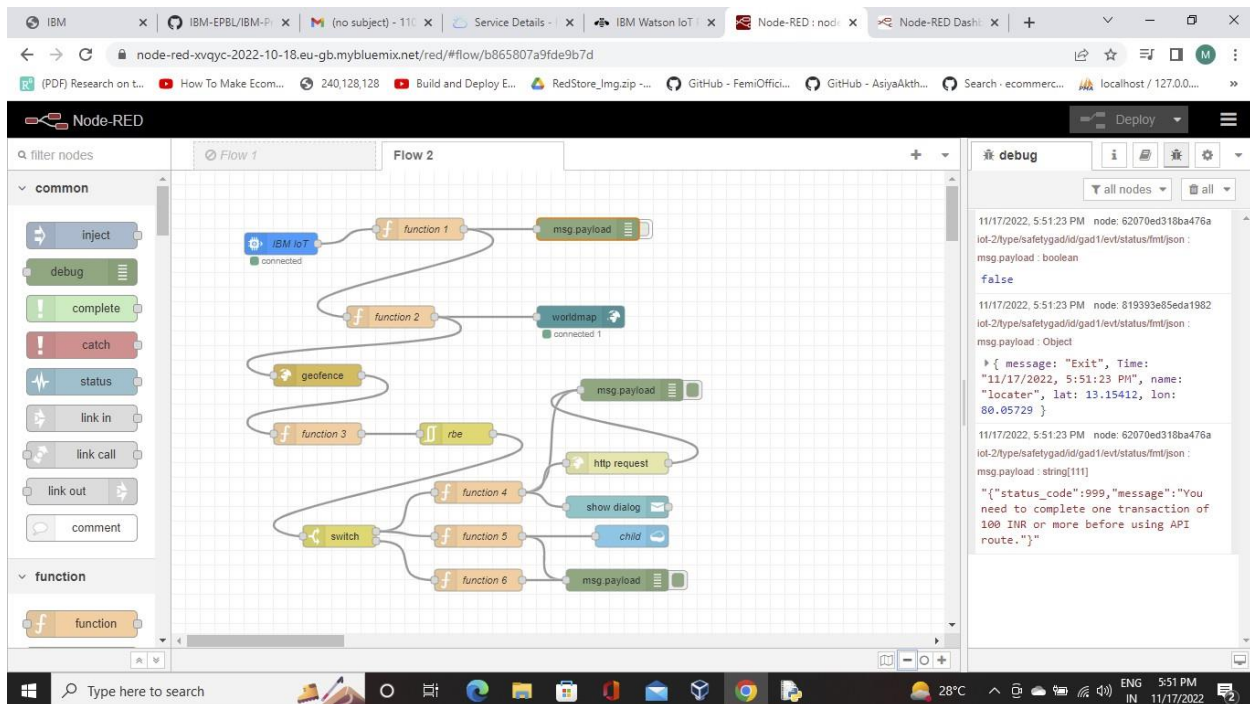
Flow 2

debug

11/17/2022, 5:52:20 PM node: 819393e85eda1982  
iot-2/type/safetvgad/ldgad1/evl/status/fmt/json:  
msg payload: Object  
» { message: "Entry", Time:  
"11/17/2022, 5:52:21 PM", name:  
"locater", lat: 13.145997614532394,  
lon: 80.0619308452179 }

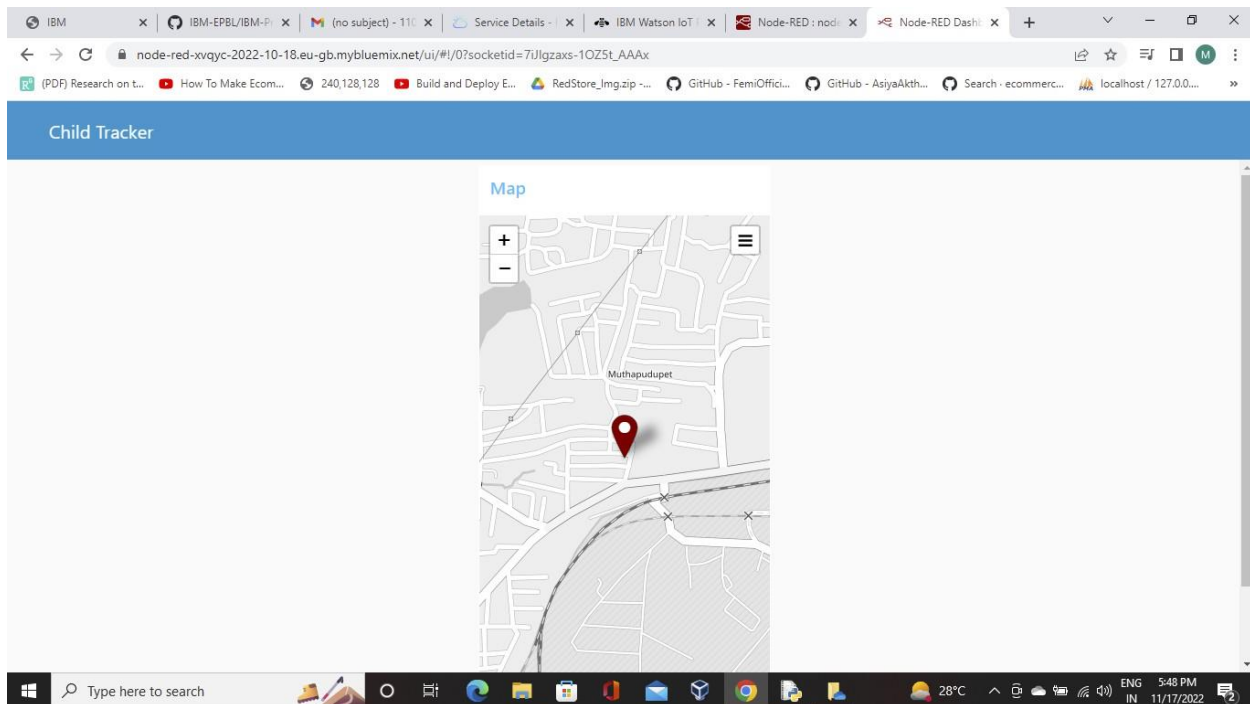
Type here to search 28°C 5:52 PM 11/17/2022

## Node-Red Service OUT Area:



## Node-Red Dashboard(Web UI):

### IN Area



# OUT Area

