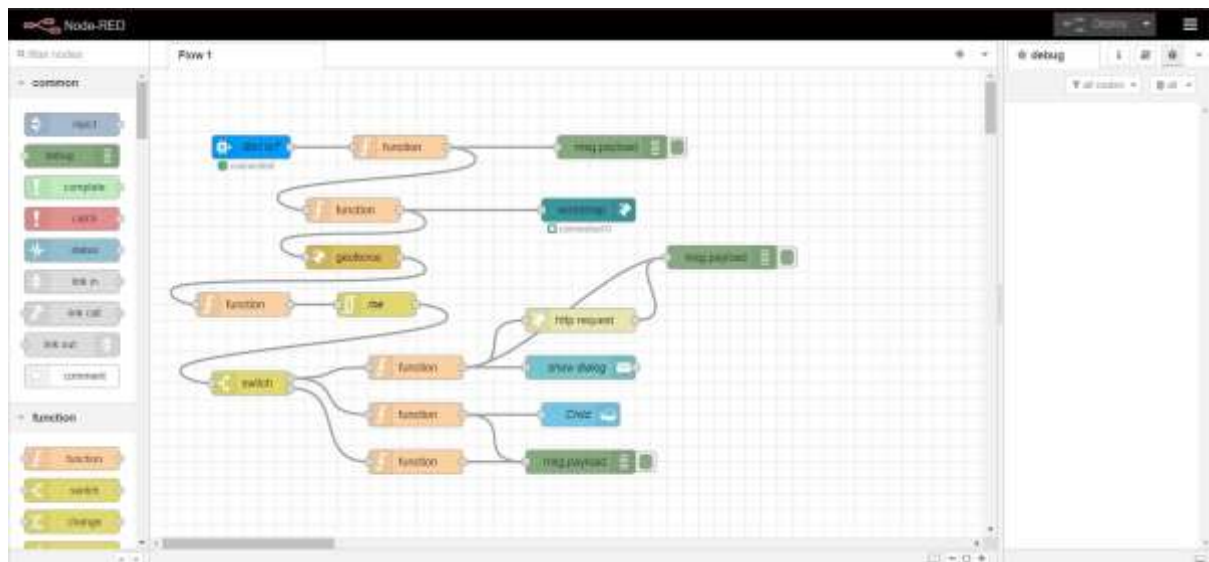


Project Development – Delivery plan sprint-3

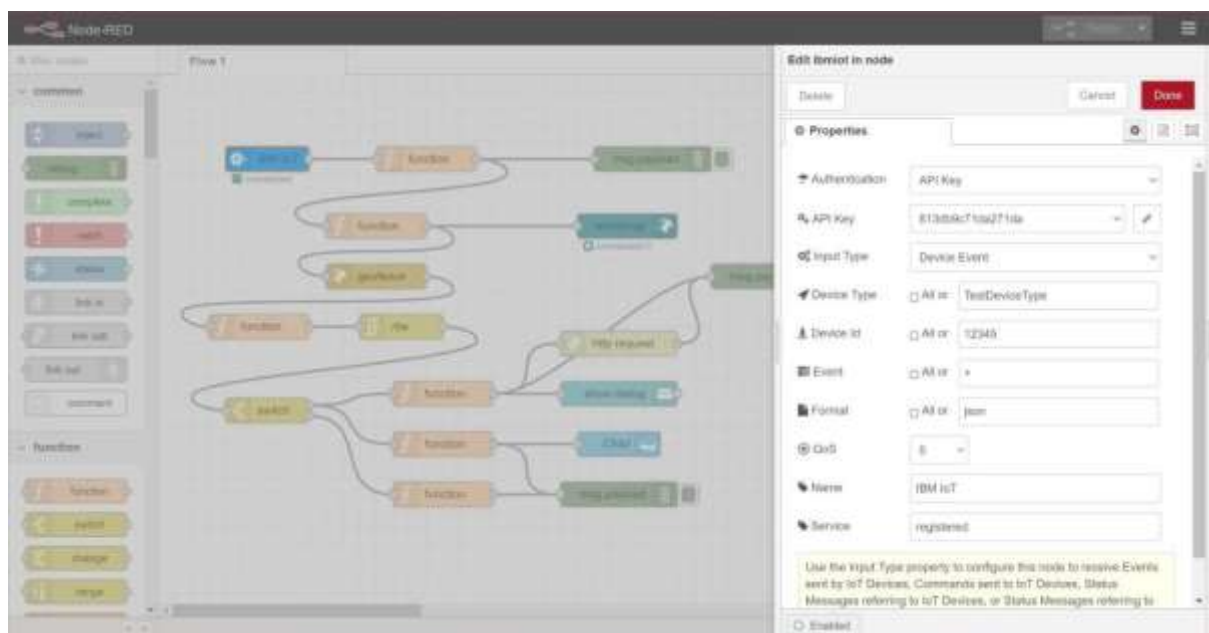
Date :	15th Nov 2022
Project topic :	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Team ID :	PNT2022TMID40778

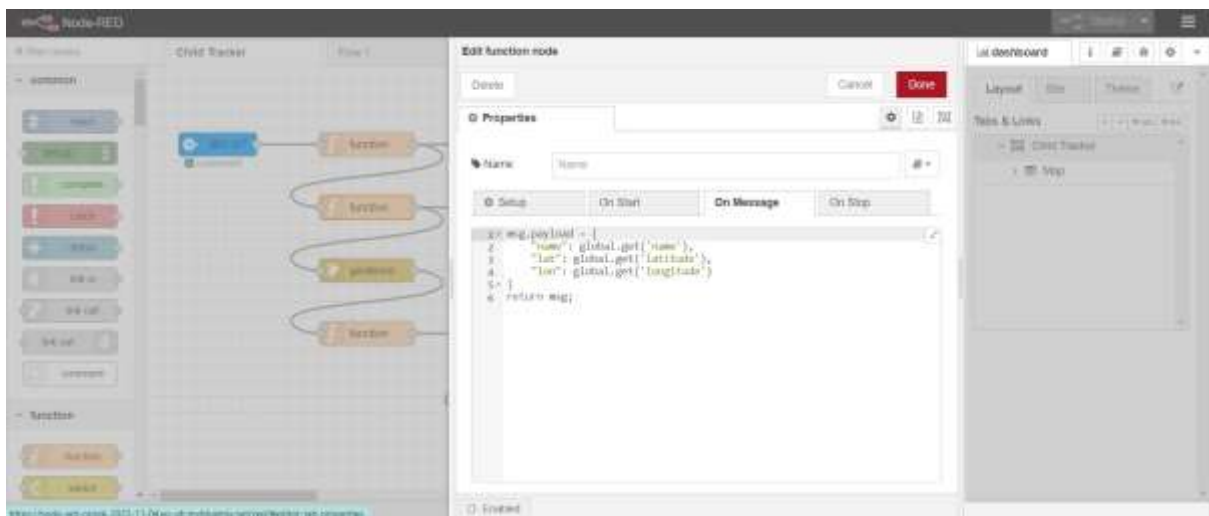
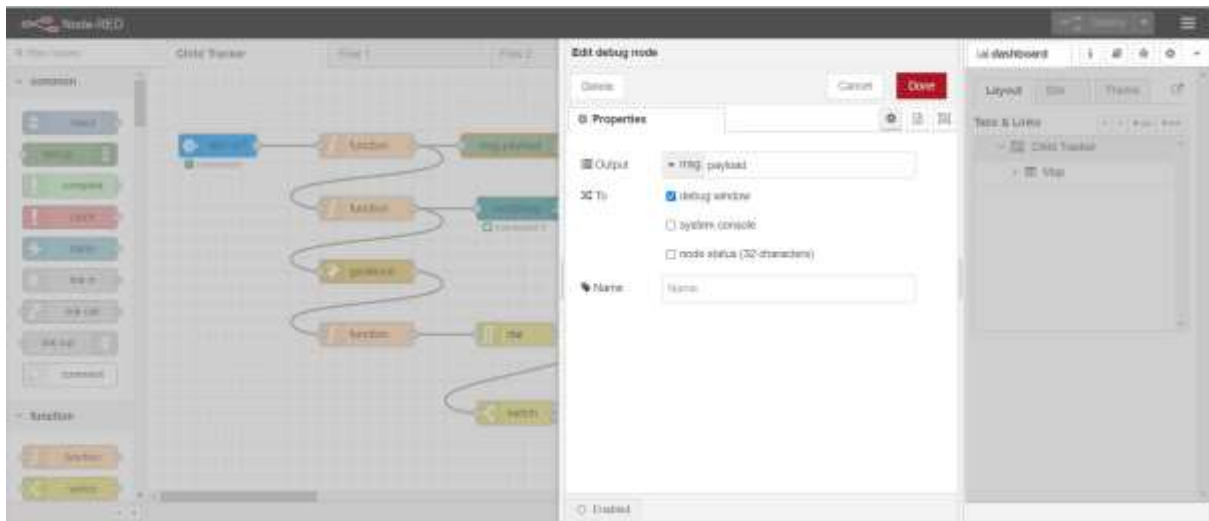
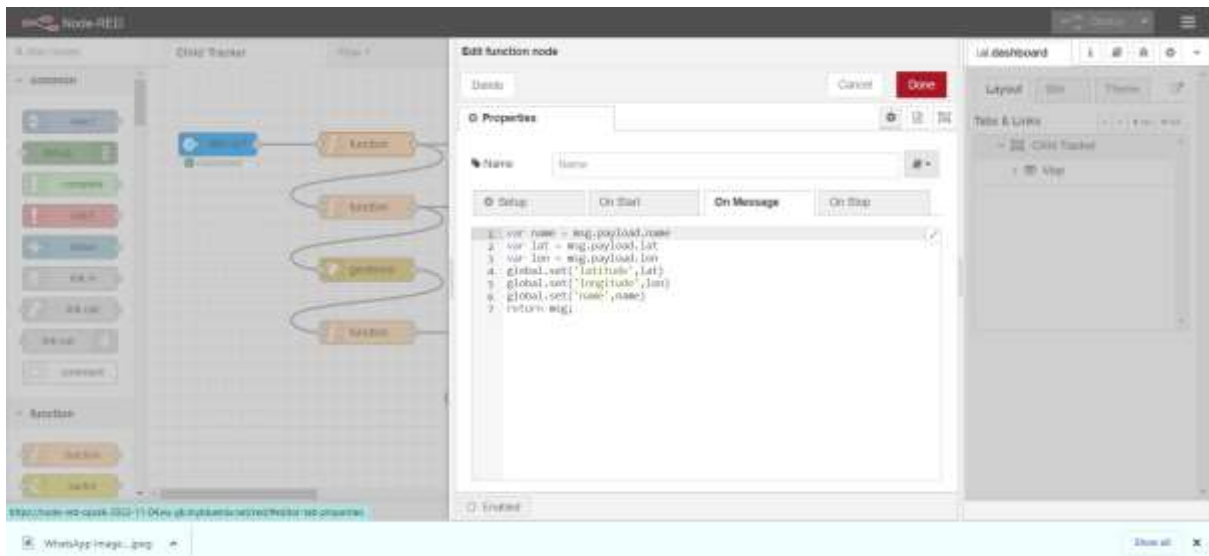
Creating Node-Red service and connecting with IBM cloud

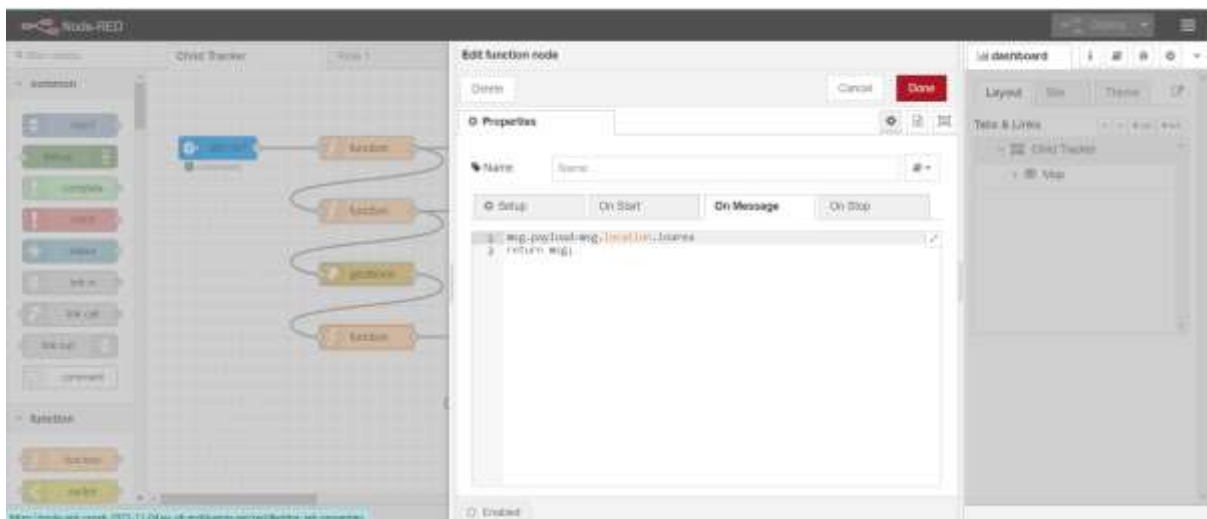
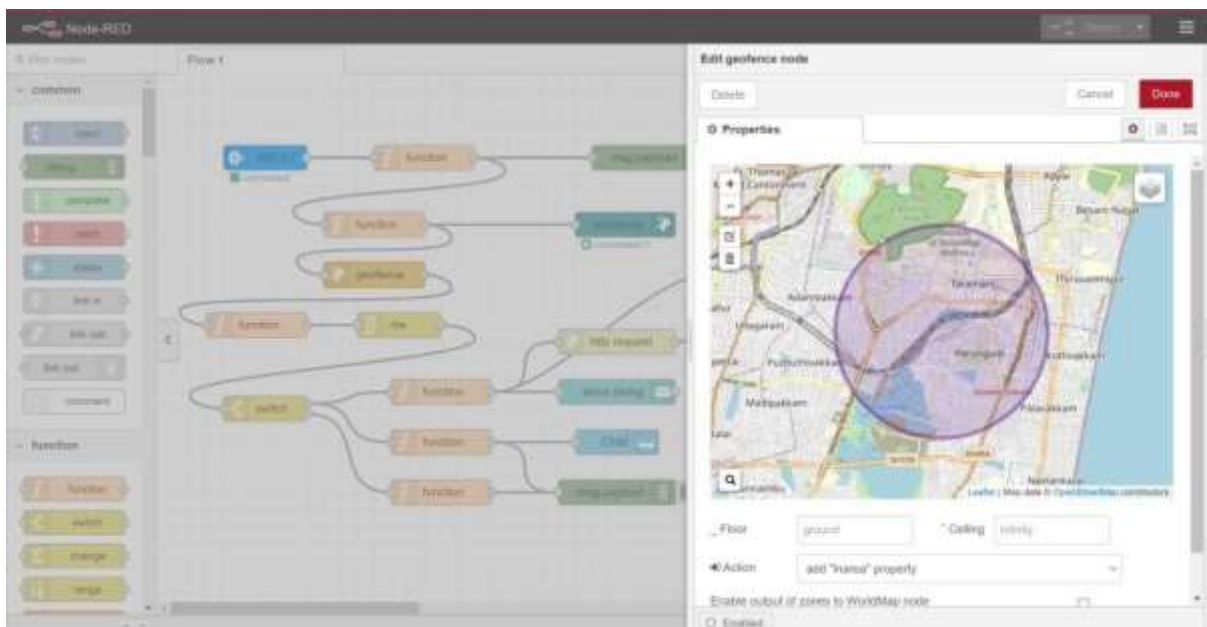
Creating Node-Red service:

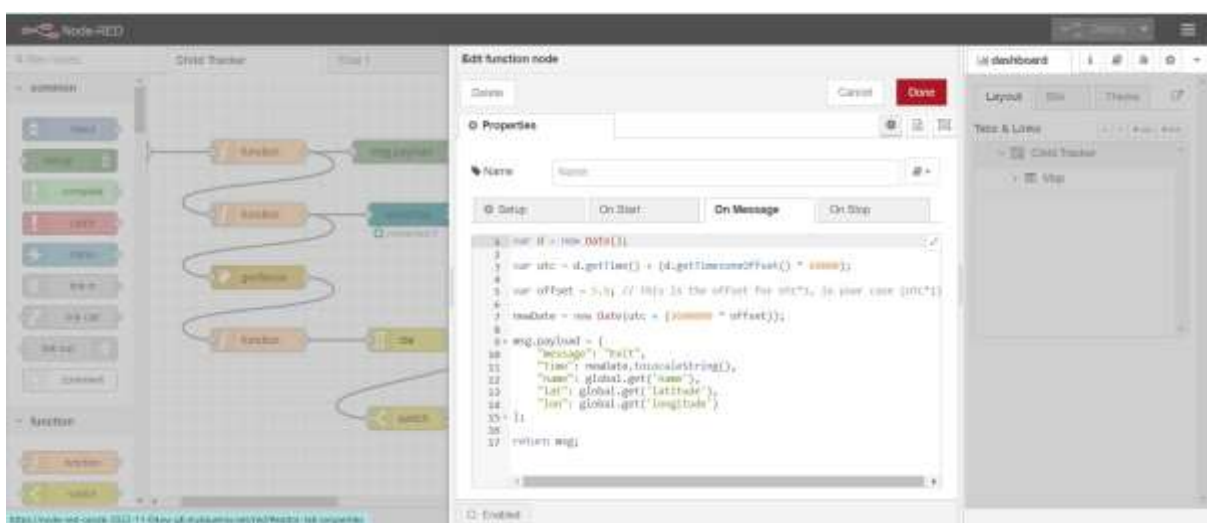
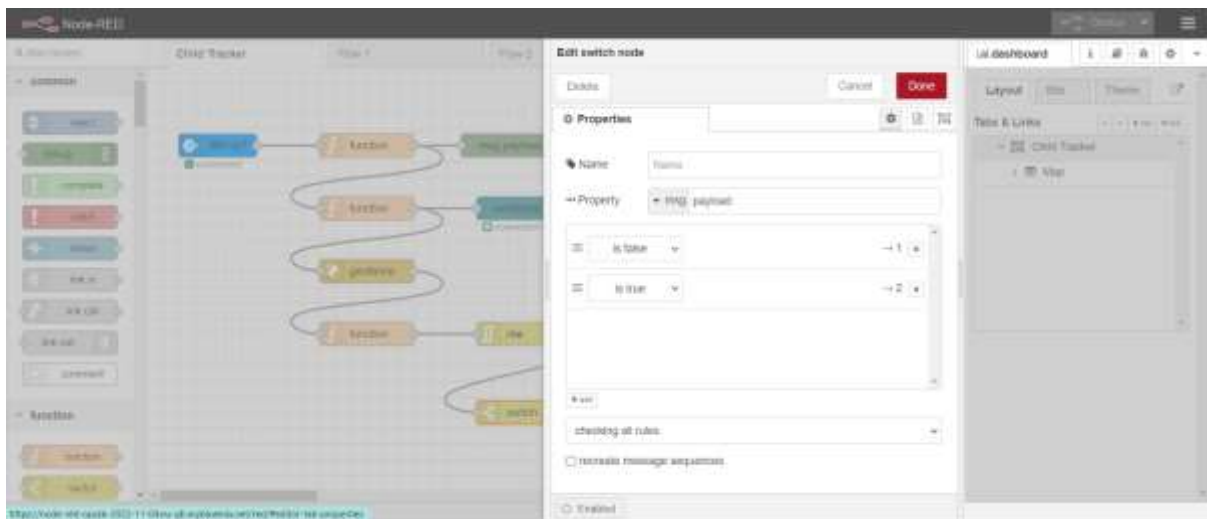
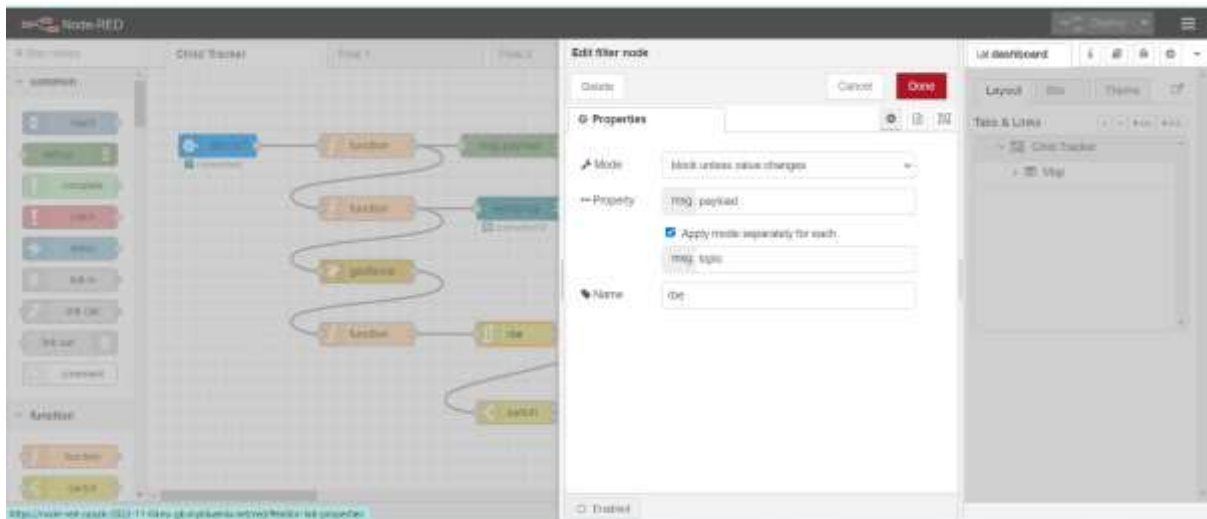


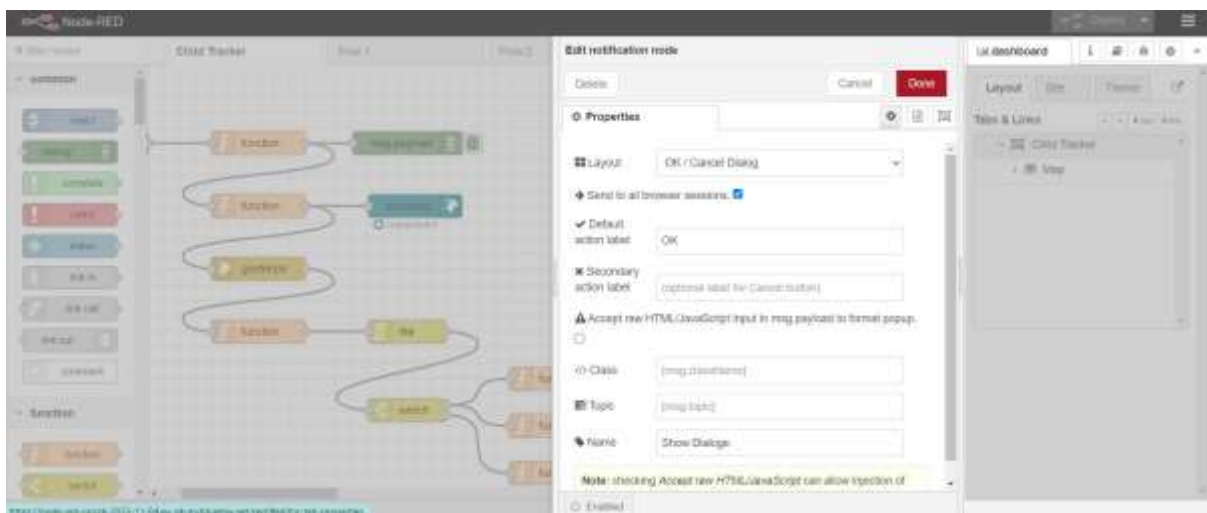
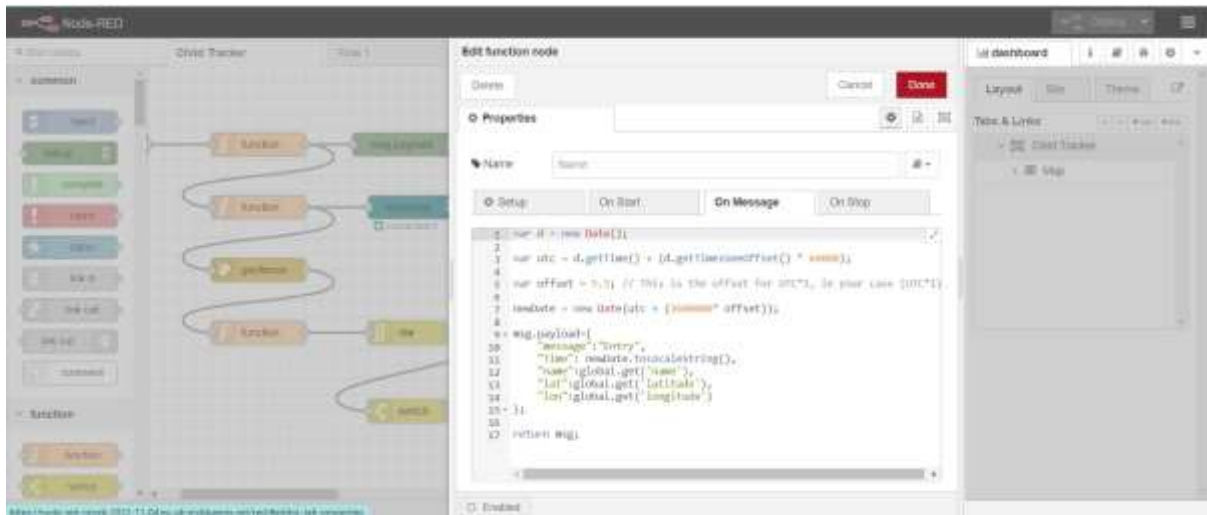
Codes in each Node:

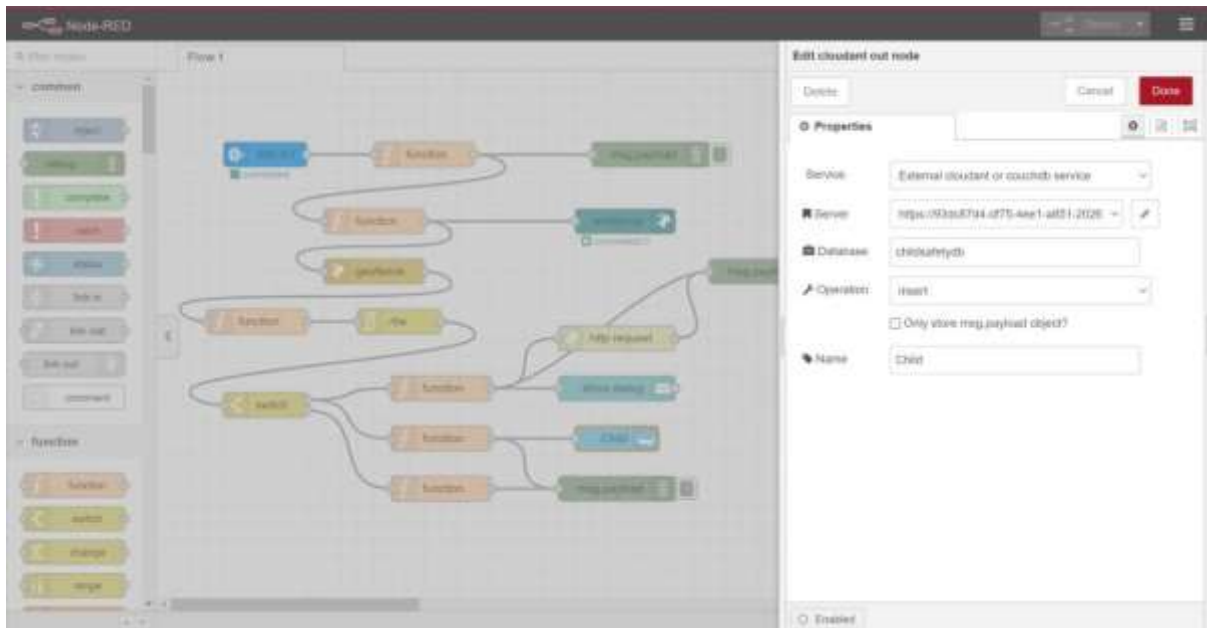












Connecting with IBM Cloud: Using IBM IOT node through the APIkey
:

IBM Watson IoT Platform

310819100007@smartthings.com

ID: a-4c1p0b

Generate API Key

Browse

IBM Cloud Apps

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key convention](#).

Key

Description

Role

Expires

2 results

a-4c1p0b-05agvret0f

Standard Application

API Key Information

Business Controls/Permissions

Key

Description

Date Added

Last Update

Last Edited by

Expires

a-4c1p0b-05agvret0f

Nov 10, 2022 3:20 PM

Nov 10, 2022 3:20 PM

310819100007@smartthings.com

Never

Simulation running

IBM Watson IoT Platform

310819100007@smartthings.com

ID: a-4c1p0b

Generate API Key

Browse

IBM Cloud Apps

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key convention](#).

Key

Description

Role

Expires

2 results

a-4c1p0b-05agvret0f

Standard Application

a-4c1p0b-ecnygw000e

API Key for the device simulator

Standard Application

Simulation running

Agree using your microphone

Google Assistant

Transferring values from Python Code:

```

import time
import sys
import paho.mqtt.client as mqtt

def on_connect(client, userdata, flags, rc):
    print("Connected with result code " + str(rc))
    client.subscribe(topic)

def on_message(client, userdata, msg):
    print("Received message: " + msg.payload)

client = mqtt.Client()
client.on_connect = on_connect
client.on_message = on_message

client.connect(host, port, 60)

# Publish data to MQTT
def publish_data():
    payload = "Smartbridge"
    client.publish(topic, payload)
    time.sleep(5)

publish_data()

```

Node-Red:

