

## Project Development Phase SPRINT-2

Date	07 November 2022
Team ID	PNT2022TMID49797
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	20 marks

Sprint-2	US-1	Configuration the connection security and create API keys that are used in the Node-RED	10
Sprint-2	US-2	Service for accessing the IBM IoT platform. Create a Node-RED service.	10

The screenshot displays the IBM Watson IoT Platform dashboard. The browser address bar shows the URL: `o99vwg.internetofthings.ibmcloud.com/dashboard/apps/browse/add`. The dashboard header includes the IBM Watson IoT Platform logo and the user's email `11192020@drsacoe.com` with ID `o99vwg`. The main content area features a success message: "The API key has been added." Below this, it states: "Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token." The dashboard is divided into two columns: "Generated Details" and "API Key Information".

Generated Details		API Key Information	
API Key	a-o99vwg-nl8vdjbpke	Description	-
Authentication Token	?1_6V-R+CKP1*SXvx1	Role	Standard Application
		Expires	Never

A warning icon and text are present: "Make a note of the generated authentication token. Lost authentication tokens cannot be recovered. If you lose the token, you must reregister the API to generate a new token." At the bottom right, a status bar indicates "0 Simulations running". The Windows taskbar at the bottom shows the date and time as 11/19/2022, 3:23 PM.

Node-RED : node-red-yzuze-202...Service Details - IBM CloudIBM Watson IoT PlatformIBM Watson IoT Platform

o99vwg.internetofthings.ibmcloud.com/dashboard/devices/browse

New TabIBMHuman Assistant R...gadget for child saf...IBM Watson IoT Pla...Node-RED : node-r...wokwiIBM-Project-27826-...

IBM Watson IoT Platform11192020@drsacoe.comID: o99vwg

BrowseActionDevice TypesInterfaces

Add Device

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	
>	123	Disconnected	weather	Device	Nov 10, 2022 10:17 PM	
>	TRACK	Connected	CHILDTRACKING	Device	Nov 17, 2022 7:56 AM	→ ...
>	weather_1	Disconnected	weather	Device	Nov 10, 2022 10:30 PM	

Items per page 50 | 1–3 of 3 items1 of 1 page<1>

0 Simulations running

Type here to search

30°C Haze

ENG IN

3:33 PM11/19/2022



Application Details - IBM Clou... Node-RED : node-red-yzuze- IBM Watson IoT Platform ONLINE PDF TO WORD - Go

node-red-yzuze-2022-10-10.eu-gb.mybluemix.net/red/#flow/e9d0766d90ac63fc

New Tab IBM Human Assistant R... gadget for child saf... IBM Watson IoT Pla... Node-RED : node-r... wokwi IBM-Proje

Node-RED

filter nodes

Flow 1 Flow 2 Flow 3

common

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

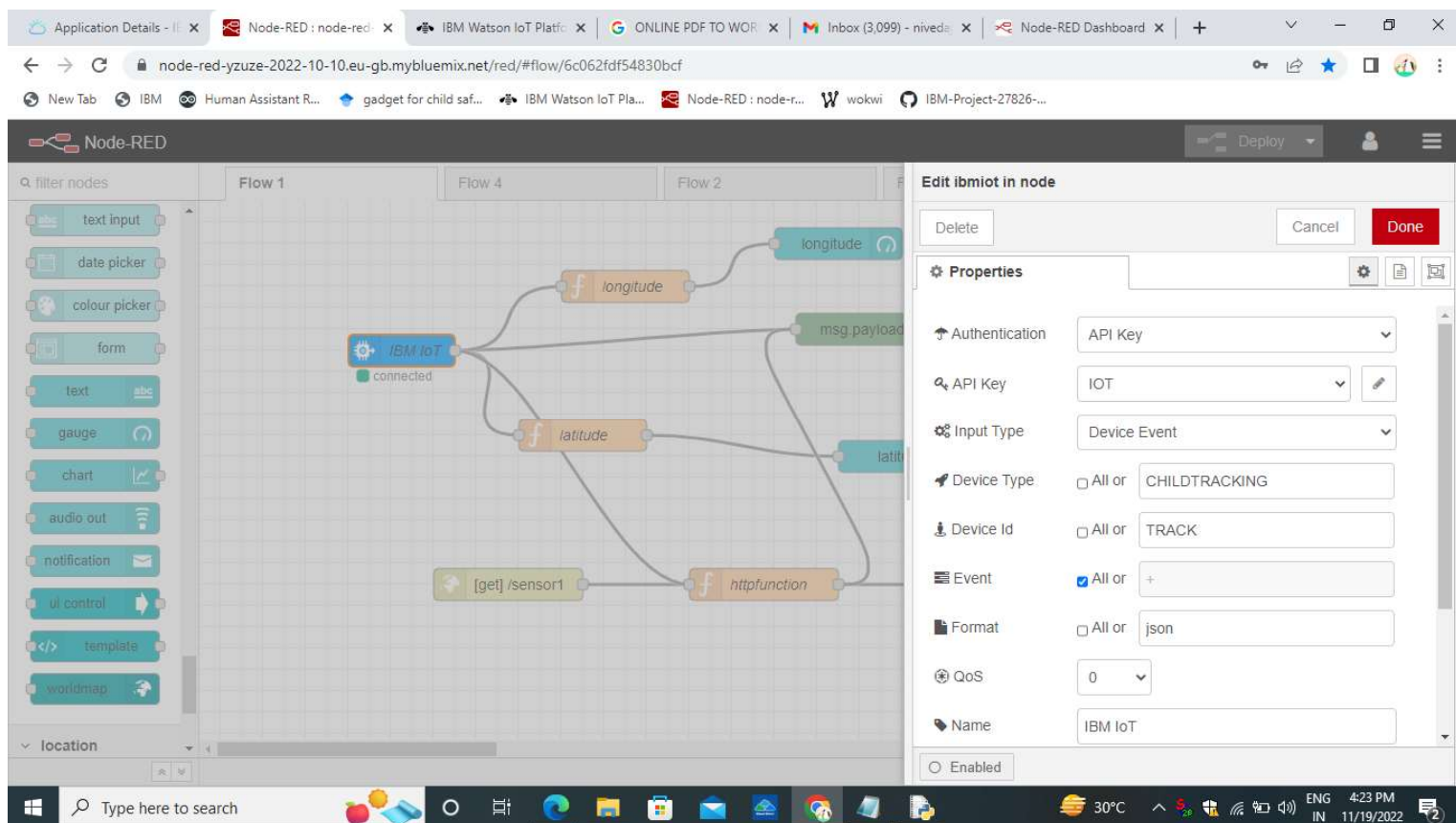
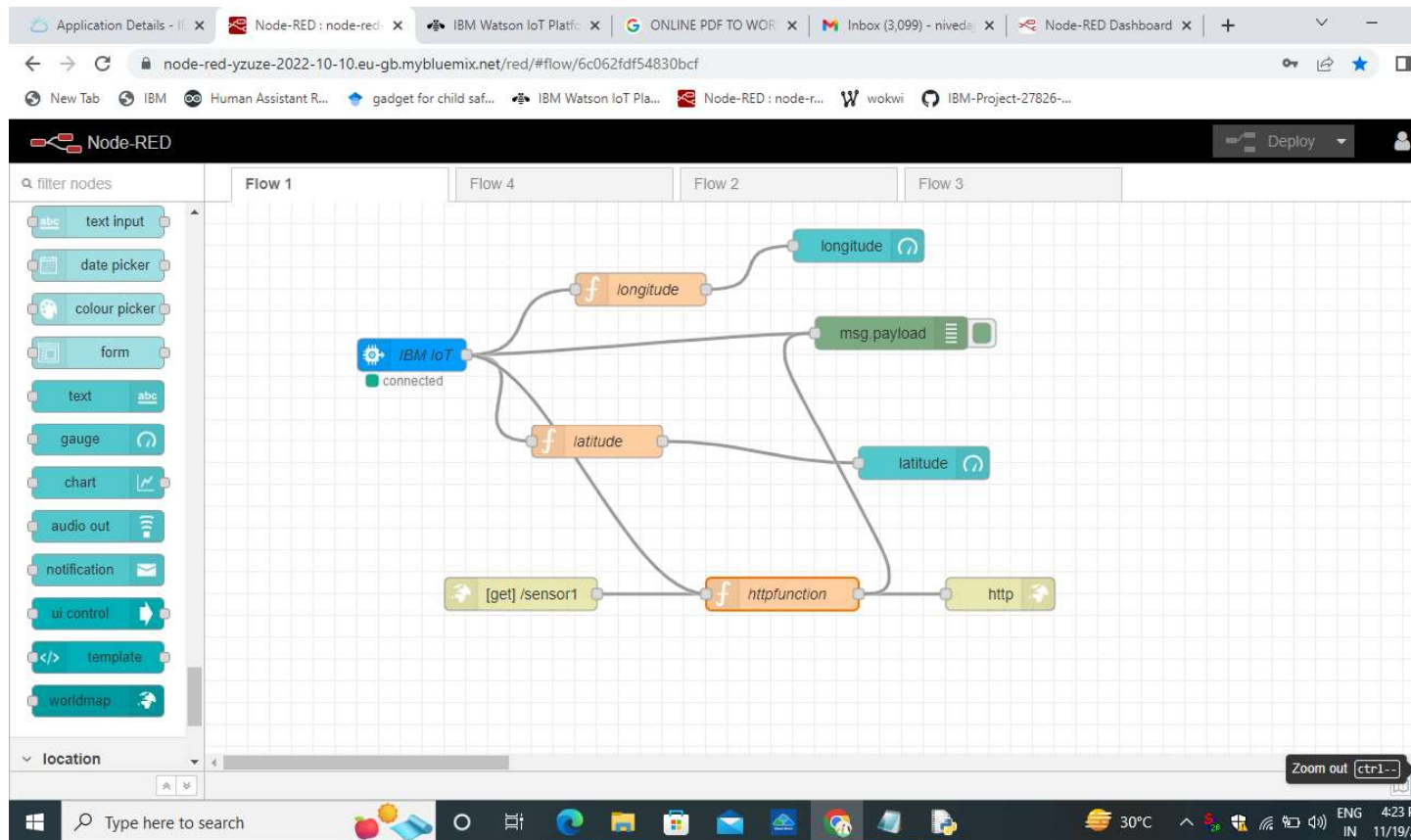
function

- function

msg.payload

IBM IoT connected

Type here to search



Application Details - IF xNode-RED : node-red xIBM Watson IoT Platf...ONLINE PDF TO WOR xInbox (3,099) - niveda xNode-RED Dashboard x+

node-red-yzuze-2022-10-10.eu-gb.mybluemix.net/red/#flow/6c062fdf54830bcf

New TabIBMHuman Assistant R...gadget for child saf...IBM Watson IoT Pla...Node-RED : node-r...wokwiIBM-Project-27826-...

Node-RED

filter nodes

Flow 1Flow 4

common

injectdebugcompletecatchstatuslink inlink calllink outcomment

function

function

IBM IoT

connected

[get] /sensor1

Edit http in node

DeleteCancelDone

Properties

MethodGET

URL/sensor1

NameName

Enabled

debug

all nodes

11/19/2022, 4:14:37 PM node: a42236039b9

iot-

2/type/CHILDTRACKING/id/TRACK/evt/IoTSe

: msg.payload : Object

» { d: object }

11/19/2022, 4:14:38 PM node: a42236039b9

iot-

2/type/CHILDTRACKING/id/TRACK/evt/IoTSe

: msg.payload : Object

» { d: object }

11/19/2022, 4:14:38 PM node: 94307bccc5b

iot-

2/type/CHILDTRACKING/id/TRACK/evt/IoTSe

: msg.payload : Object

» { d: object }

11/19/2022, 4:14:39 PM node: a42236039b9

iot-

2/type/CHILDTRACKING/id/TRACK/evt/IoTSe

: msg.payload : Object

» { d: object }

11/19/2022, 4:14:39 PM node: 94307bccc5b

iot-

2/type/CHILDTRACKING/id/TRACK/evt/IoTSe

: msg.payload : Object

» { d: object }

Type here to search

30°C

4:15

ENG

IN

11/19/

Application Details - II x Node-RED : node-red x IBM Watson IoT Platf... ONLINE PDF TO WOR... Inbox (3,099) - niveda... Node-RED Dashboard x +

node-red-yzuzze-2022-10-10.eu-gb.mybluemix.net/red/#flow/6c062fdf54830bcf

New Tab IBM Human Assistant R... gadget for child saf... IBM Watson IoT Pla... Node-RED : node-r... wokwi IBM-Project-27826...

Node-RED

Flow 1 Flow 4 Flow 2

filter nodes

- text input
- date picker
- colour picker
- form
- text
- gauge
- chart
- audio out
- notification
- ui control
- template
- worldmap

location

IBM IoT

connected

longitude

latitude

[get] /sensor1

httpf

Edit function node

Delete Cancel Done

Properties

Name latitude

Setup On Start On Message On Stop

```
1 msg.payload=msg.payload.lat
2 global.set('t',msg.payload)
3
4
5 return msg;
```

Enabled

Type here to search

30°C 4:24 PM 11/19/2022





