

Sprint-2

Date	04 November 2022
Team ID	PNT2022TMID19258
Project Name	Signs with smart connectivity for better safety.

Sending data to cloud:

IBM Watson IoT Platform

Browse Devices

All Devices Diagnose

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

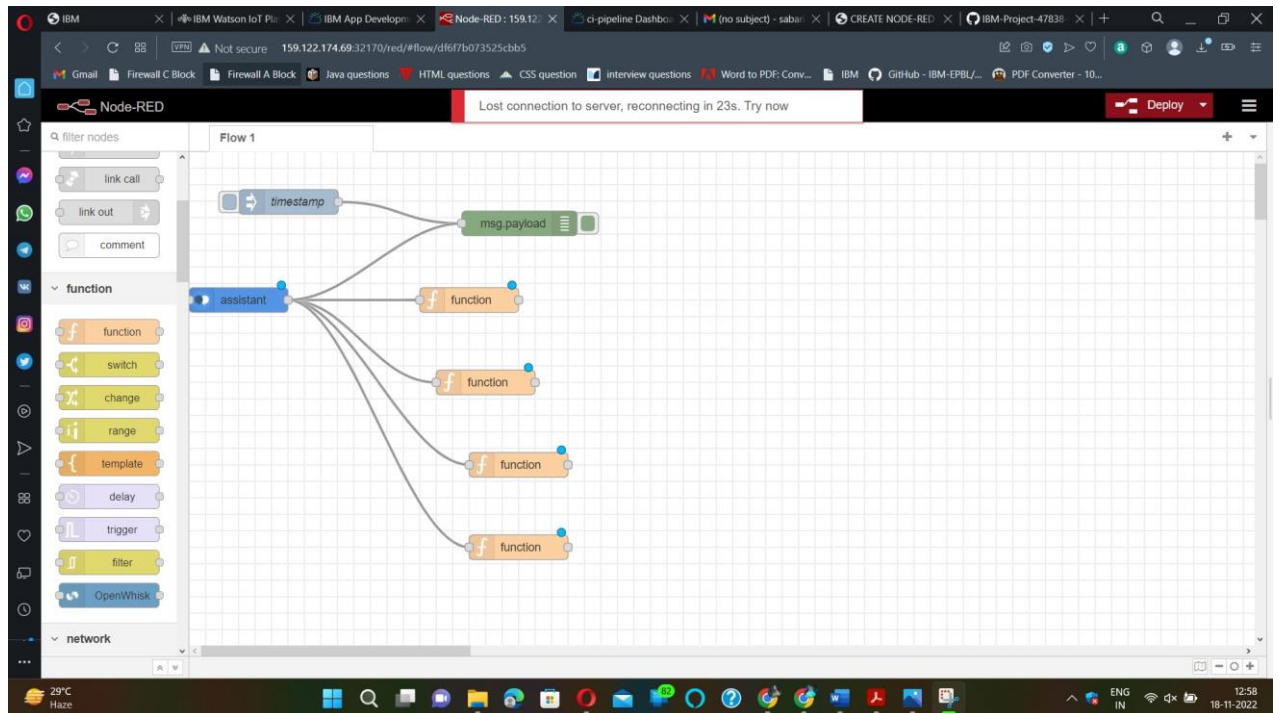
Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
Ibmcloud_1d	Disconnected	Ibmcloud_1	Device	Nov 18, 2022 12:12 PM	
sample_id	Disconnected	sample_id	Device	Nov 18, 2022 12:13 PM	
ultrasound_id	Disconnected	ultrasound_id	Device	Nov 18, 2022 12:14 PM	

Items per page 50 | 1-3 of 3 items

0 Simulations running

Node red services:



Edit function node

Delete

Cancel

Done

⚙ Properties

📌 Name

speed

⚙ Setup

On Start

On Message

On Stop

```
1 msg.payload=msg.payload.Speed
2 global.set('speed',msg.payload)
3 return msg;
```

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

📌 Name

Avoid traffic

📄

⚙ Setup

On Start

On Message

On Stop

1 var R1=msg.payload.Road1;

2 var R2=msg.payload.Road2;

3 var R3=msg.payload.Road3;

4 var R4=msg.payload.Road4;

5

6 Avoid_traffic=Math.min(R1, R2, R3, R4);

7 store="-";

8 switch (Avoid_traffic) {

9 case R1 : store="R1";

10 break;

11 case R2 : store="R2";

12 break;

13 case R3 : store="R3";

14 break;

15 case R4 : store="R4";

16 break;

17 }

18 msg.payload=msg.payload.store;

19 global.set('store',msg.payload);

20 return msg;

21

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

📌 Name

Temperature Node

📄

⚙ Setup

On Start

On Message

On Stop

1 msg.payload=msg.payload.Temperature

2 global.set('t',msg.payload)

3 return msg;

Edit function node

Delete

Cancel

Done

⚙ Properties



📌 Name

Humidity Node



⚙ Setup

On Start

On Message

On Stop

```
1 msg.payload=msg.payload.Humidity
2 global.set('h',msg.payload)
3 return msg;
```

node-red-ctrlm-2022-11-10.eu-gb.mybluemix.net/red/#flow/b15afe196fee4644

Node-RED

Flow 1

Humidity Node

Humidity

chart

chart

Light on

Light off

[get]/sensor

[get]/control

inject

httpfunctionnode

commandfunctionnode

simpledatabase

msg payload

IBM IoT

connectCloud

http

http

simpledatabase

msg payload

debug

```
11/17/2022, 10:28:08 PM node
193080bac540bfa
id:
27ype/bmccloud_1id/bmccloud_1idlev4Data/f
:msg payload: Object
> { Temperature: 88,
Humidity: 100, Speed: 90,
Road1: 1, Road2: 1 - }
11/17/2022, 10:29:09 PM node
193080bac540bfa
id:
27ype/bmccloud_1id/bmccloud_1idlev4Data/f
:msg payload: Object
> { Temperature: 88,
Humidity: 100, Speed: 90,
Road1: 1, Road2: 1 - }
11/17/2022, 10:29:10 PM node
193080bac540bfa
id:
27ype/bmccloud_1id/bmccloud_1idlev4Data/f
:msg payload: Object
> { Temperature: 88,
Humidity: 100, Speed: 90,
Road1: 1, Road2: 1 - }
11/17/2022, 10:28:12 PM node
193080bac540bfa
id:
27ype/bmccloud_1id/bmccloud_1idlev4Data/f
:msg payload: Object
> { Temperature: -28.5,
Humidity: 26.5, Speed: -1,
Road1: 1, Road2: 1 - }
```

21°C Party cloudy

Search

ENG IN

23:15 17-11-2022

Edit button node

Delete

Cancel

Done

Properties

Group

[control] Controls

Size

auto

Icon

optional icon

Label

Light on

Tooltip

optional tooltip

Color

white

Background

optional background color

☒ When clicked, send:

Payload

{ "command": "light on" }

Topic

msg. topic

→ If msg arrives on input, emulate a button click: ☐

</> Class

Optional CSS class name(s) for widget

Name

Name

☐ Enabled

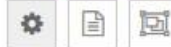
Edit button node

Delete

Cancel

Done

Properties



 Group  

 Size

 Icon

 Label

 Tooltip

 Color

 Background

☒ When clicked, send:

Payload 

Topic

➔ If msg arrives on input, emulate a button click: ☐

 Class

 Name

Edit http in node

Delete

Cancel

Done

⚙ Properties

☰ Method

GET

🌐 URL

/sensor

📌 Name

Name

Edit function node

Delete

Cancel

Done

⚙ Properties

📌 Name

httpfunctionnode

⚙ Setup

On Start

On Message

On Stop

```
1 msg.payload={
2   "Temp":global.get ('t'),
3   "Humid":global.get ('h'),
4   "Speed":global.get('speed'),
5   "store":global.set('store'),
6 }
7
8 return msg;
```

Edit http in node

Delete

Cancel

Done

⚙ Properties



Method

GET

URL

/control

Name

Name

Edit function node

Delete

Cancel

Done

⚙ Properties



Name

commandfunctionnode



⚙ Setup

On Start

On Message

On Stop

```
1 msg.payload=msg.payload.command  
2 return msg;
```