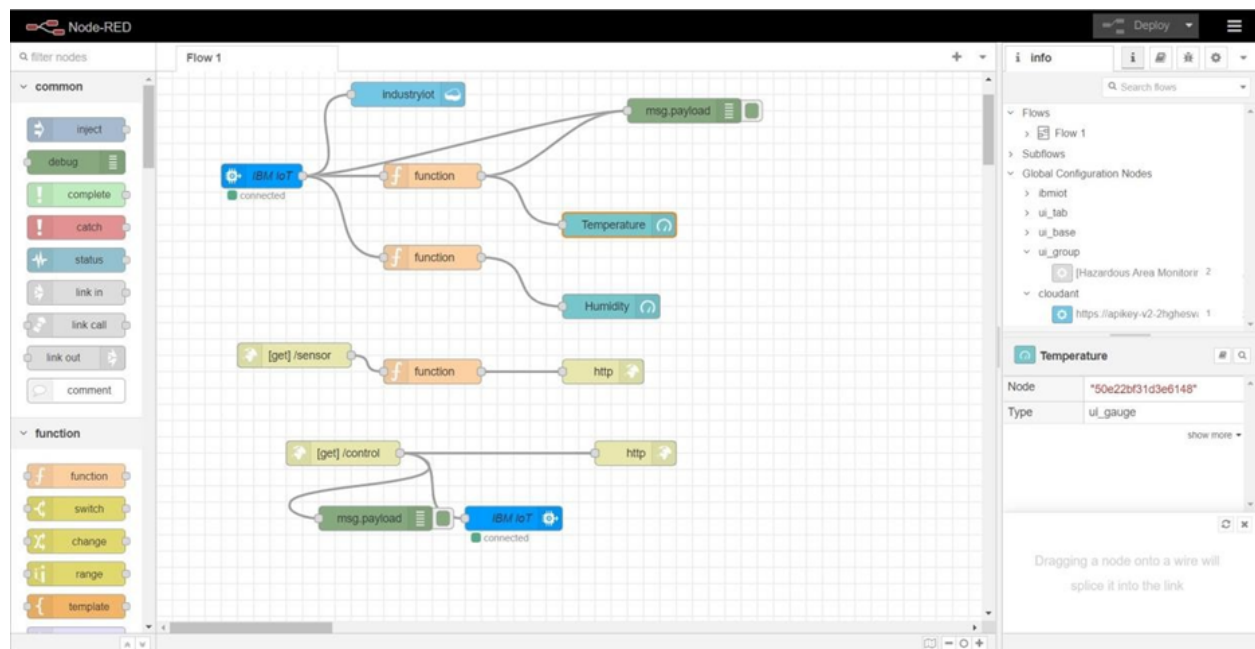


Configure The Application To Receive The Data From Cloud

Date	12 November 2022
Team ID	PNT2022TMID50497
Project Name	Project - Hazardous Area Monitoring for Industrial Plant powered by IoT

Node red flow created to get values



Configuring function to fetch the desired value

The screenshot shows the IBM IoT Platform interface. On the left, a flow diagram for 'Flow 1' is visible, featuring an 'IBM IoT' node connected to an 'industryiot' node and two 'function' nodes. Below this, there are '[get] /sensor' and '[get] /control' nodes, each connected to a 'function' node. A 'msg.payload' node is also present. On the right, the 'Edit function node' dialog is open. It has a 'Delete' button, 'Cancel', and 'Done' buttons. The 'Properties' section shows a 'Name' field. The 'On Message' tab is selected, displaying the following code:

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

At the bottom of the dialog, there is an 'Enabled' checkbox.

This screenshot is similar to the one above, showing the same flow diagram and 'Edit function node' dialog. However, the code in the 'On Message' tab is different:

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

The 'Enabled' checkbox is also present at the bottom of the dialog.

App Blocks to render the values and display it in app

IoT_interface

Screen1Add Screen...Remove Screen...Publish to Gallery

DesignerBlocks

Blocks

Built-in

Control

Logic

Math

Text

Lists

Dictionaries

Colors

Variables

Procedures

Screen1

HorizontalArrangement

Image1

VerticalScrollArrangement

Label1

Label2

HorizontalArrangement

Media

download.jpg

Upload File...

Viewer

when Clock1 - Timer

do

set Web1 - URL to http://159.122.177.234:30241/sensor

call Web1 - Get

when Web1 - GetText

do

set responseCode - responseCode to look up in pairs key temperature

call Web1 - JsonTextDecode jsonText get responseContent

set responseText1 - Text to look up in pairs key humidity

call Web1 - JsonTextDecode jsonText get responseContent

set responseText2 - Text to look up in pairs key not found

call Web1 - JsonTextDecode jsonText get responseContent

when Button1 - Click

do

set Web2 - URL to http://159.122.177.234:30241/control/command=on

call Web2 - Get

when Button2 - Click

do

set Web3 - URL to http://159.122.177.234:30241/control/command=off

call Web3 - Get

Show Warnings

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