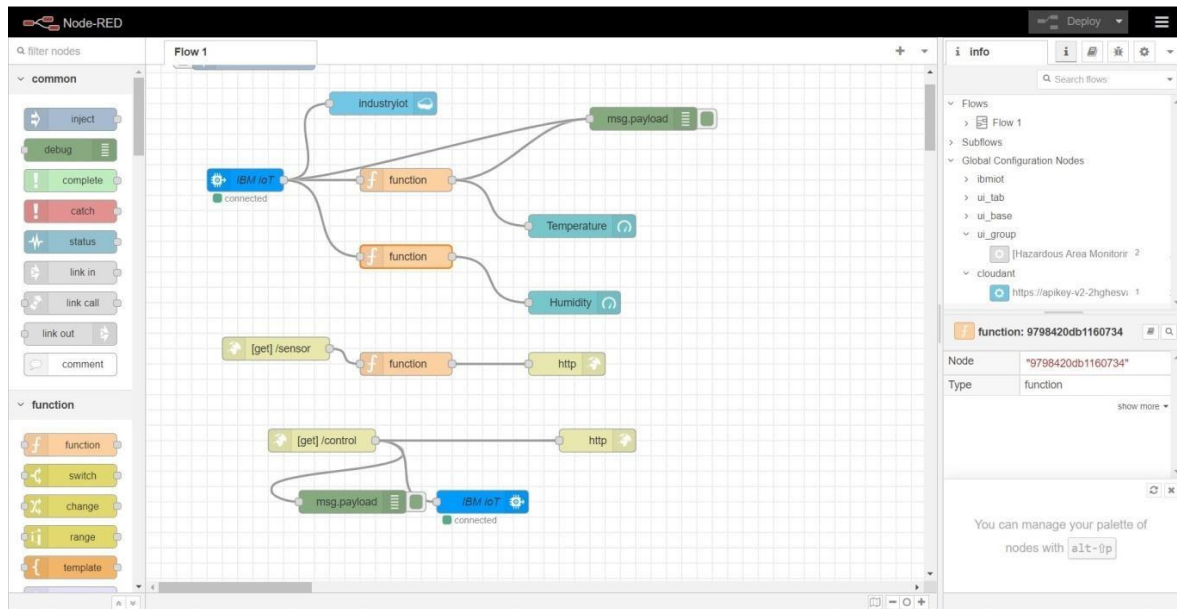


Develop The Web Application Using Node-RED

Date	18 September 2022
Team Id	PNT2022TMID41908
Title	Hazardous Area Monitoring for Industrial Plant using IoT

Node red flow



Function blocks

The screenshot shows the Node-RED interface with a flow named 'Flow 1'. The flow starts with an 'IBM IoT' node (blue) connected to an 'industryiot' node (blue). The 'industryiot' node then branches into two 'function' nodes (orange). The selected 'function' node is being edited in the 'Edit function node' panel. The 'Properties' tab is active, showing the node's name as 'Name'. The 'On Message' tab is selected, and the code is as follows:

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

The right sidebar shows the 'info' panel with a search bar and a list of flows and nodes. The selected node is 'function: 815cba7c7af38e65'.

The screenshot shows the Node-RED interface with a flow named 'Flow 1'. The flow starts with an 'IBM IoT' node (blue) connected to an 'industryiot' node (blue). The 'industryiot' node then branches into two 'function' nodes (orange). The selected 'function' node is being edited in the 'Edit function node' panel. The 'Properties' tab is active, showing the node's name as 'Name'. The 'On Message' tab is selected, and the code is as follows:

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

The right sidebar shows the 'info' panel with a search bar and a list of flows and nodes. The selected node is 'function: 9798420db1160734'.

Node-RED

filter nodes

common

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

function

- function
- switch
- change
- range
- template

Flow 1

ibm iot

industryiot

function

function

[get] /sensor

function

[get] /control

msg.payload

ibm iot

connected

connected

Edit ibmiot in node

Delete Cancel Done

Properties

Authentication API Key

API Key Industryiot

Input Type Device Event

Device Type ☐ All or NodeMCU

Device Id ☐ All or IoT001

Event ☒ All or +

Format ☐ All or json

QoS 0

Name IBM IoT

Service registered

Use the Input Type property to configure this node to receive Events sent by IoT Devices, Commands sent to IoT Devices, Status Messages referring to IoT Devices, or Status Messages referring to IoT Applications. Check the info tab, to get more information about each of the fields

Enabled

Node-RED

filter nodes

common

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- function
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Flow 1

ibm iot

industryiot

function

function

[get] /sensor

function

[get] /control

msg.payload

ibm iot

connected

connected

Edit function node

Delete Cancel Done

Properties

Name Name

Setup On Start On Message On Stop

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

Enabled

info

Search flows

Flows

- Flow 1

Subflows

Global Configuration Nodes

- ibmiot
- ui_tab
- ui_base
- ui_group
- Hazardous Area Monitor 2

cloudant

- https://apikey-v2-2hghesv-1

function: 9798420db1160734

Node "9798420db1160734"

Type function

Show the Info tab with **ctrl-g i** or the Debug tab with **ctrl-g d**

