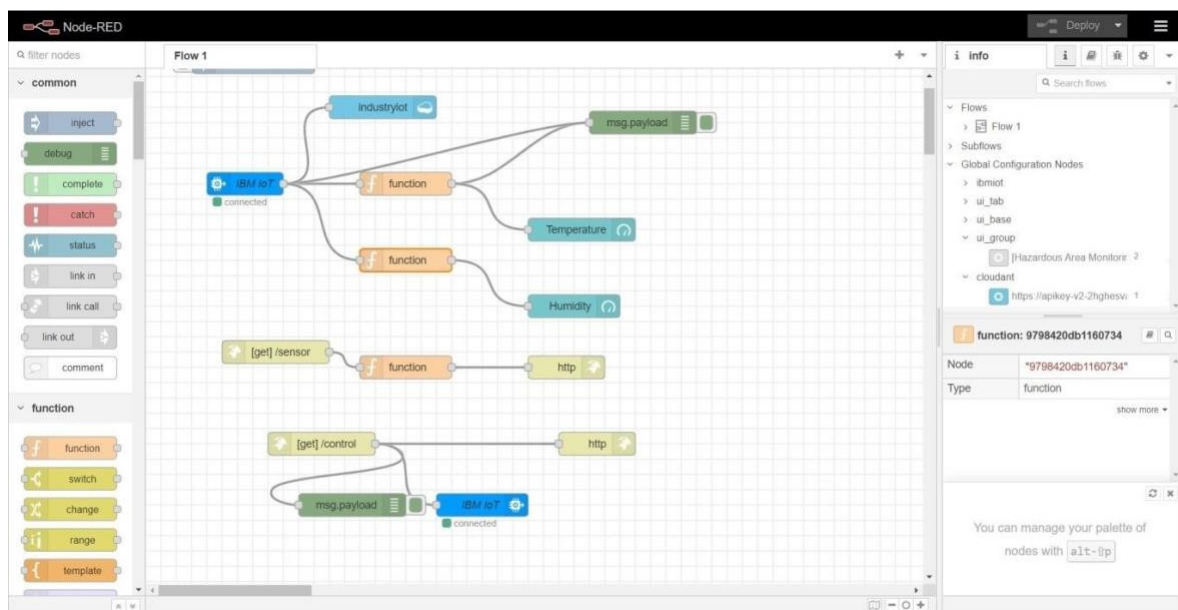


DEVELOP THE WEB APPLICATION USING NODE-RED

NODE RED FLOW



Function blocks

The screenshot shows the Node-RED web interface. On the left, the 'common' and 'function' node palettes are visible. The main workspace contains a flow with an 'IBM IoT' node connected to two 'function' nodes. The 'Edit function node' dialog is open, showing the 'On Message' tab with the following JavaScript code:

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

The right sidebar shows the 'info' panel with a tree view of the flow and a detailed view of the selected function node, displaying its ID '815cba7c7af38e65' and type 'function'.

This screenshot shows the same Node-RED interface, but the 'Edit function node' dialog now displays different JavaScript code in the 'On Message' tab:

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

The right sidebar's 'info' panel now shows the details for a different function node with ID '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

industryiot

ibm iot

function

function

[get] /sensor

function

[get] /control

msg.payload

ibm iot

ibm iot in node

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

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

function

- function
- switch
- change
- range
- template

Flow 1

industryiot

ibm iot

function

function

[get] /sensor

function

[get] /control

msg.payload

ibm iot

Edit function node

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

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 - ibmiot
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 - ui_group
- cloudant
 - Hazardous Area Monitors 2
- cloudant
 - https://apikey-v2-2hghesv-

function: 9798420db1160734

Node: "9798420db1160734"

Type: function

Show the Info tab with `ctrl-g` or the Debug tab with `ctrl-g`

