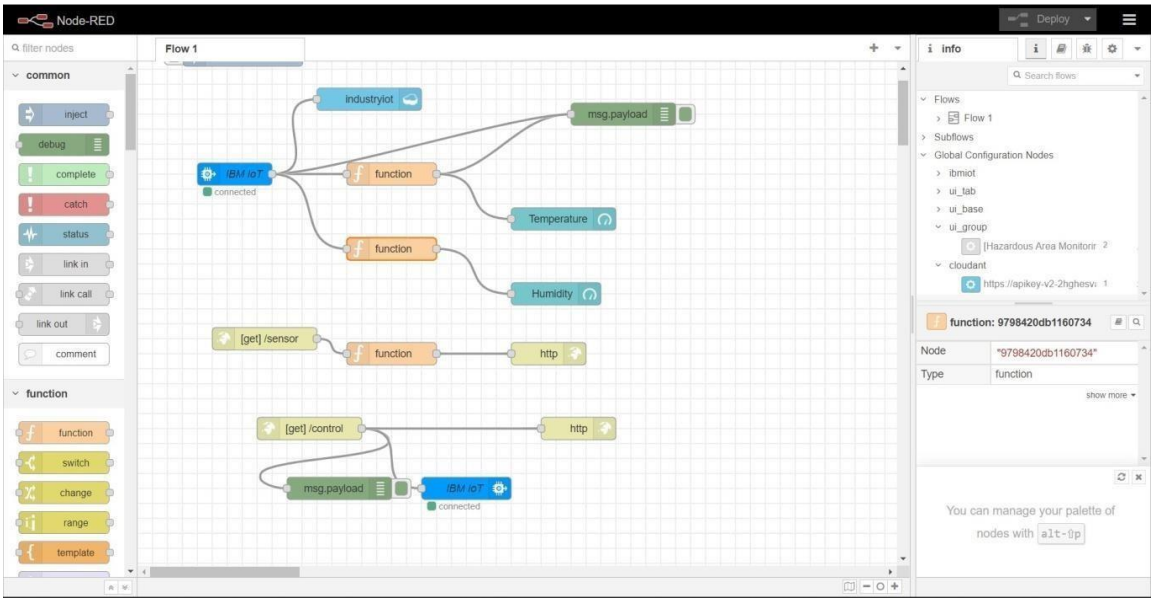
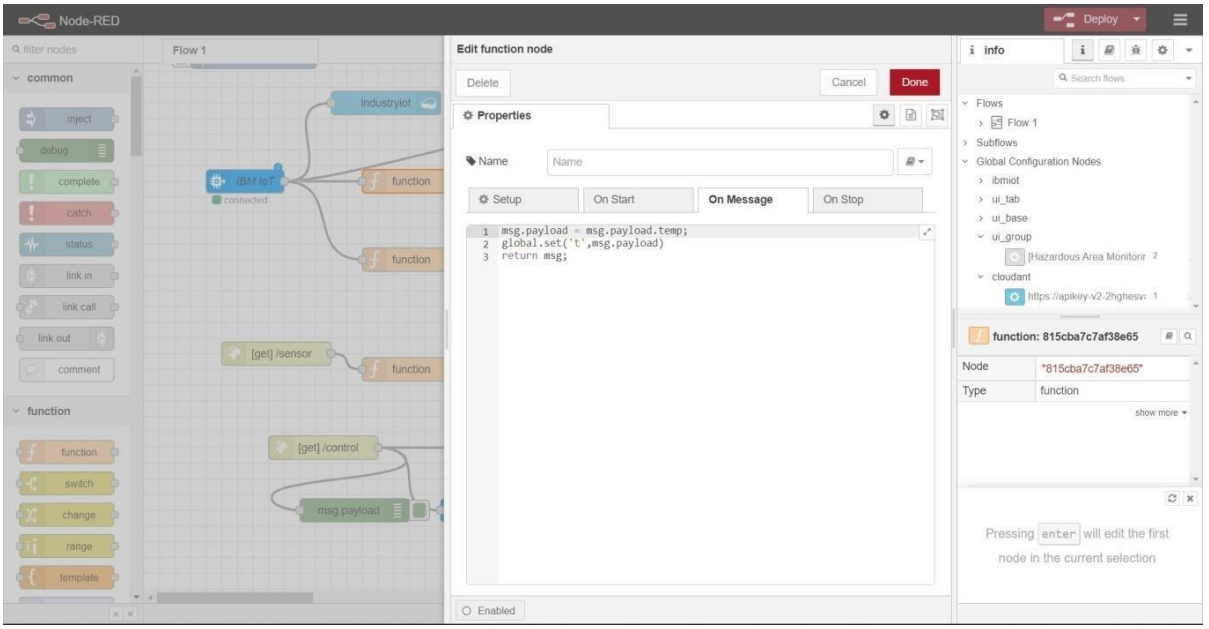
Develop The Web Application Using Node-RED

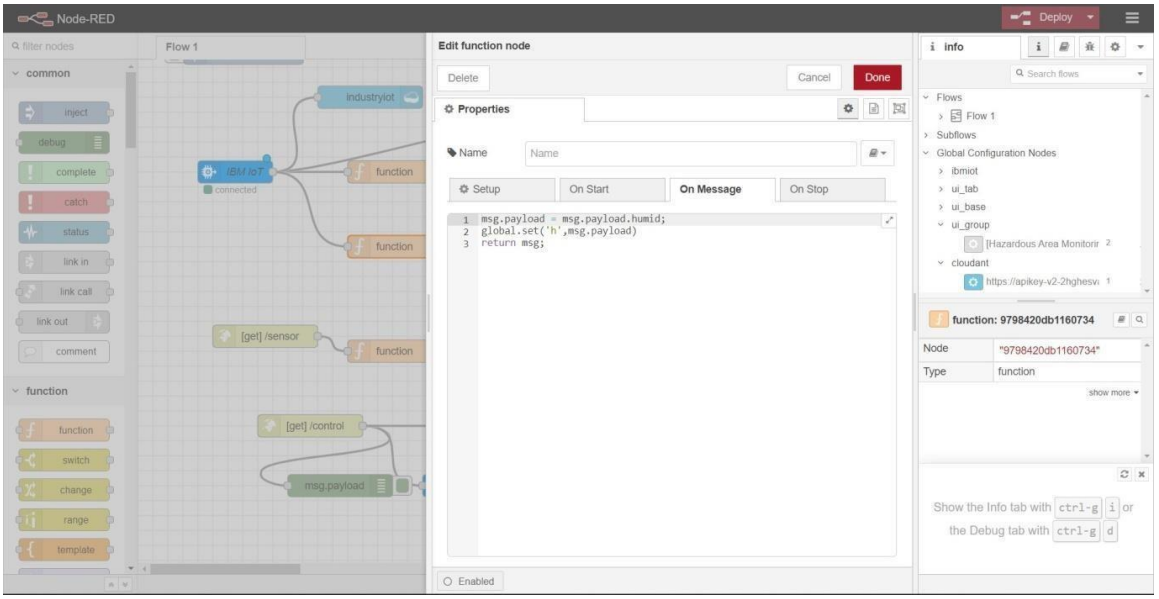
Team ID	PNT2022TMID19670
Project Name	Hazardous Area Monitoring for Industrial Plant Powered by IoT

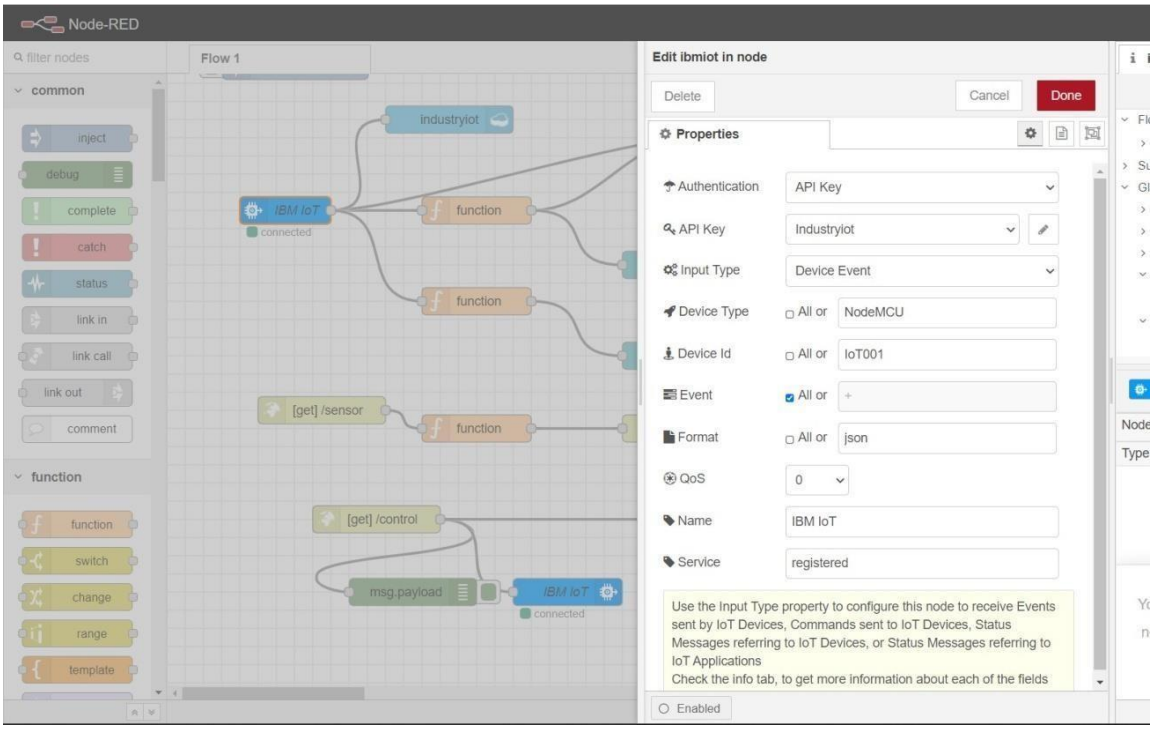
Node red flow:

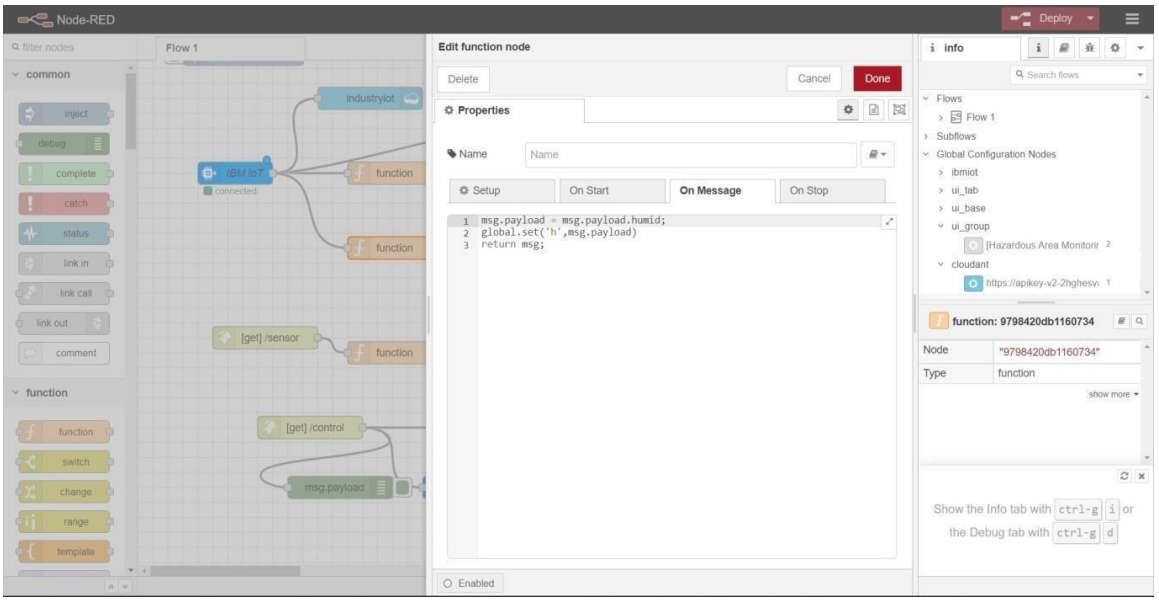


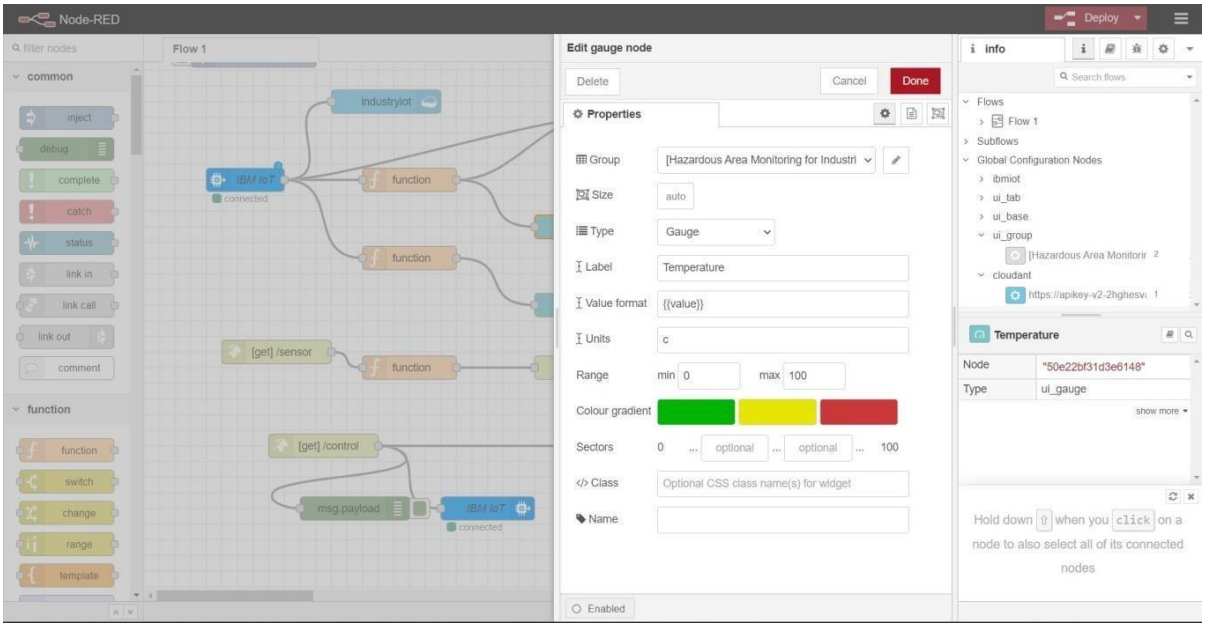
Function blocks:

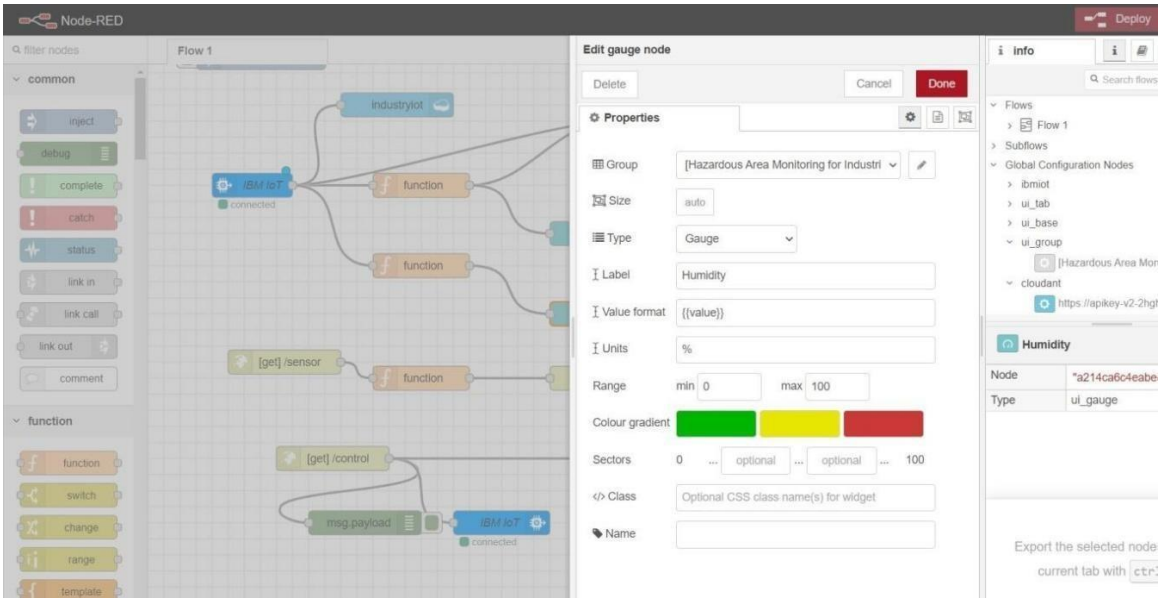





Node-RED
Flow 1
Edit ibmiot in node
Delete
Cancel
Done
Properties
Authentication
API Key
API Key
Industryiot
Input Type
Device Event
Device Type
All or
NodeMCU
Device Id
All or
IoT001
Event
All or
Format
All or
json
QoS
0
Name
IBM IoT
Service
registered
Use the Input Type property to configure this node 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
industryiot
IBM IoT
connected
function
[get] /sensor
[get] /control
msg.payload
common
function


Node-RED
Deploy
Flow 1
Edit function node
Delete
Cancel
Done
Properties
Name
Setup
On Start
On Message
On Stop
msg.payload = msg.payload.humid;
global.set('h',msg.payload)
return msg;
Enabled
info
Flows
Flow 1
Subflows
Global Configuration Nodes
ibmiot
ui_tab
ui_base
ui_group
cloudant
function: 9798420db1160734
Node
"9798420db1160734"
Type
function
Show the Info tab with ctrl-g i or the Debug tab with ctrl-g d
industryiot
IBM IoT
function
[get] /sensor
[get] /control
msg.payload
common
function


Node-RED
Deploy
Flow 1
Edit gauge node
Delete
Cancel
Done
Properties
Group
[Hazardous Area Monitoring for Industri
Size
auto
Type
Gauge
Label
Temperature
Value format
{{value}}
Units
c
Range
min 0
max 100
Colour gradient
Sectors
0 ... optional ... optional ... 100
Class
Optional CSS class name(s) for widget
Name
Enabled
info
Temperature
Node
"50e22bf31d3e6148"
Type
ui_gauge
Hold down ⇧ when you click on a node to also select all of its connected nodes


Node-RED
Deploy
Flow 1
Edit gauge node
Delete
Cancel
Done
Properties
Group
[Hazardous Area Monitoring for Industri
Size
auto
Type
Gauge
Label
Humidity
Value format
{{value}}
Units
%
Range
min 0
max 100
Colour gradient
Sectors
0 ... optional ... optional ... 100
Class
Optional CSS class name(s) for widget
Name
info
Humidity
Node
Type
ui_gauge
Export the selected node