

Use Dashboard Nodes for Creating UI

Team ID	PNT2022TMID41546
Project Name	Smart waste management system for metropolitan cities

Step 1: Open Node red and pick and place blocks according to python scriptflow

Step2: Make sure necessary blocks are installed in Node Red

Step 3: After creating the flow click on deploy

Step 4: Output is displayed in Node-red Debug window

Step 5: Also, web UI can also be seen by the URL followed by/ui

Screenshots: NODE – RED FLOW

Node-RED interface showing a flow with four parallel processing paths (Flow 1, Flow 1, Flow 1, Flow 4) connected to an IBM IoT node. The flow includes nodes for msg.payload, Distance 1, Distance 2, Distance 3, Distance 4, LOAD cell 1, LOAD cell 2, LOAD cell 3, and LOAD cell 4. The flow is connected to an IBM IoT node and an http node.

The debug console shows the following log entries:

```
msg.payload : string[36]
"alert :No need to collect right now"

11/12/2022, 11:19:35 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": undefined
}
undefined

11/12/2022, 11:19:36 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": Object
}
* { dist: 48, load: 7 }

11/12/2022, 11:19:37 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": number
}
48

11/12/2022, 11:19:44 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": string[36]
}
"alert :No need to collect right now"

11/12/2022, 11:19:45 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": undefined
}
undefined

11/12/2022, 11:19:46 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": Object
}
* { dist: 18, load: 9 }

11/12/2022, 11:19:47 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": number
}
18

11/12/2022, 11:19:54 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": string[36]
}
"alert :No need to collect right now"

11/12/2022, 11:19:55 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": undefined
}
undefined

11/12/2022, 11:19:56 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": Object
}
* { dist: 38, load: 13 }

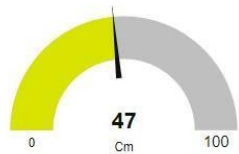
11/12/2022, 11:19:57 AM node: msg.payload
{
  "type": "BIN4Id/BIN4IdDev/IsTSensor/mj/son",
  "msg.payload": number
}
38
```

NODE – RED UI

≡ control

control

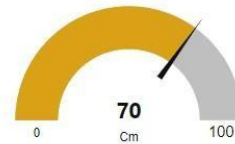
Distance 1



LOAD CELL 1



Distance 2



LOAD CELL 2



Distance 3



LOAD CELL 3



Distance 4



LOAD CELL 4

