

Use Dashboard Nodes for Creating UI (Web Apps)

Team ID	PNT2022TMIT03981
Project Name	Smart waste management system for metropolitan cities

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

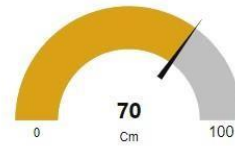
Distance 1



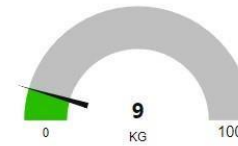
LOAD CELL 1



Distance 2



LOAD CELL 2



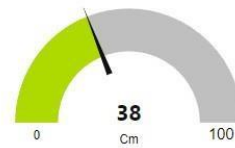
Distance 3



LOAD CELL 3



Distance 4



LOAD CELL 4

