

Use Dashboard Nodes for Creating UI (Web Apps)

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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 2, Flow 3, Flow 4) connected to an IBM IoT Gateway. The flow includes nodes for [get] /sensor, function nodes (function 1-4), msg.payload, and output nodes (Distance 1-4, LOAD CELL 1-4, http).

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
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : undefined
undefined

11/12/2022, 11:19:36 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : Object
* { dist: 48, load: 7 }

11/12/2022, 11:19:37 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : number
48

11/12/2022, 11:19:44 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : string[36]
"alert :No need to collect right now"

11/12/2022, 11:19:45 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : undefined
undefined

11/12/2022, 11:19:46 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : Object
* { dist: 18, load: 9 }

11/12/2022, 11:19:47 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : number
18

11/12/2022, 11:19:54 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : string[36]
"alert :No need to collect right now"

11/12/2022, 11:19:55 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : undefined
undefined

11/12/2022, 11:19:56 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : Object
* { dist: 38, load: 13 }

11/12/2022, 11:19:57 AM node: msg.payload
iot 2?type@BIN4@d@BIN4IDevtoTSensorfms@son :
msg.payload : number
38
```

NODE – RED UI

≡ control

control

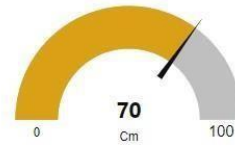
Distance 1



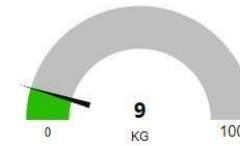
LOAD CELL 1



Distance 2



LOAD CELL 2



Distance 3



LOAD CELL 3



Distance 4



LOAD CELL 4

