

Use Dashboard Nodes for Creating UI (Web Apps)

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Project Name	Smart waste management system for metropolitan cities

Step1:open Node RED

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

filter nodes

Flow 1Flow 1Flow 1Flow 4

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

change

range

template

delay

trigger

exec

filter

network

mqtt in

mqtt out

http in

http response

http request

websocket in

BM IoT

connected

Distance 1

LOAD cell 1

msg.payload

Distance 1

LOAD CELL 1

[get] /sensor

function 1

http

BM IoT

connected

Distance 2

LOAD cell 2

msg.payload

Distance 2

LOAD CELL 2

[get] /sensor

function 2

http

BM IoT

connected

Distance 3

LOAD cell 3

msg.payload

Distance 3

LOAD CELL 3

[get] /sensor

function 3

http

BM IoT

connected

Distance 4

LOAD cell 4

msg.payload

Distance 4

LOAD CELL 4

[get] /sensor

function 4

http

debug

all nodes

all

msg.payload : string[36]

"alert :No need to collect right now"

11/12/2022, 11:19:35 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : undefined

undefined

11/12/2022, 11:19:36 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : Object

{ dist: 48, load: 7 }

11/12/2022, 11:19:37 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : number

48

11/12/2022, 11:19:44 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : string[36]

"alert :No need to collect right now"

11/12/2022, 11:19:45 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : undefined

undefined

11/12/2022, 11:19:46 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : Object

{ dist: 18, load: 9 }

11/12/2022, 11:19:47 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : number

18

11/12/2022, 11:19:54 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : string[36]

"alert :No need to collect right now"

11/12/2022, 11:19:55 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : undefined

undefined

11/12/2022, 11:19:56 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : Object

{ dist: 38, load: 13 }

11/12/2022, 11:19:57 AM node: msg.payload
cat: 2: type/BIN4Id/BIN4D/levltoTSensor/fm/son :
msg.payload : number

38

type:tab "3 of 6"

24°C Cloudy

ENG 11:26

NODE – RED UI

≡ control

control

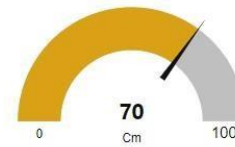
Distance 1



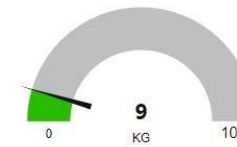
LOAD CELL 1



Distance 2



LOAD CELL 2



Distance 3



LOAD CELL 3



Distance 4



LOAD CELL 4

