

Sprint - 1

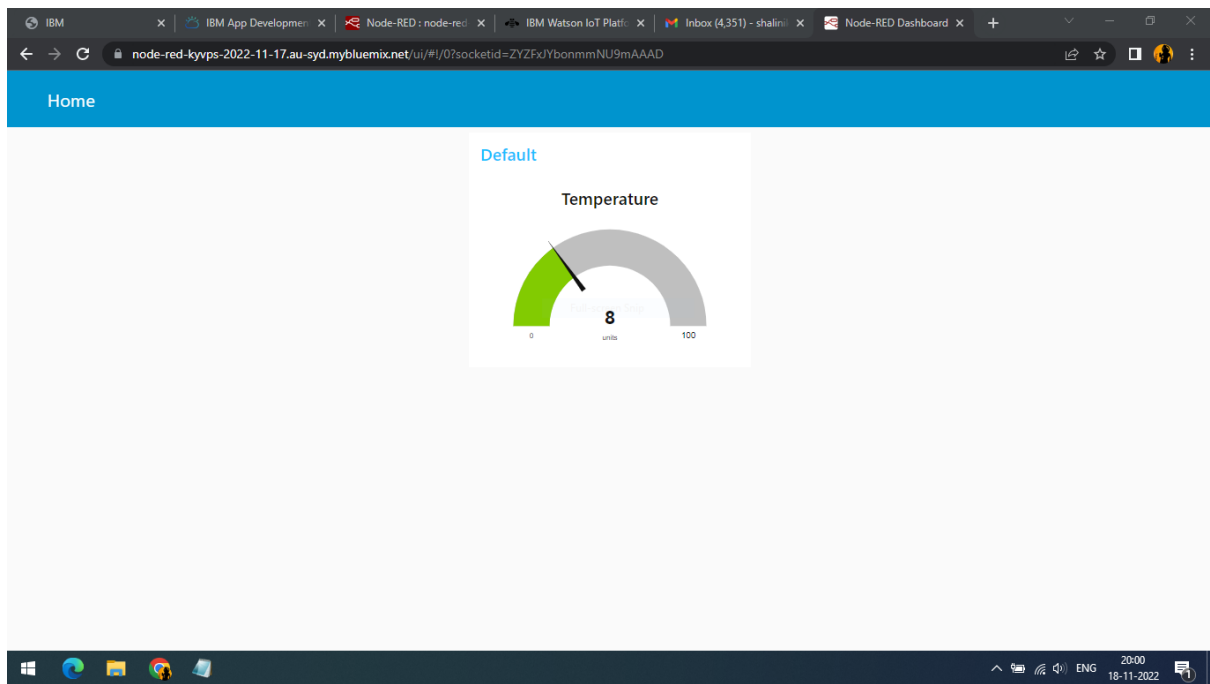
Date	19 September 2022
Team ID	PNT2022TMID11434
Project Name	Project – Smart Waste Management System for Metropolitan Cities

The screenshot shows the Node-RED web interface. On the left, the 'common' and 'function' node palettes are visible. The main workspace contains a flow with the following nodes: 'inject', 'function', 'IBM IoT', 'msg payload', and 'Temp'. The 'function' node is connected to the 'IBM IoT' node, and the 'msg payload' node is connected to the 'Temp' node. The 'debug' console on the right displays a series of messages with the following payloads: 44, 23, 65, 39, -1, and -11. The messages are timestamped and include the device ID '17a6534797a8cb04'.

The screenshot shows the IBM Watson IoT Platform dashboard. The 'Recent Events' tab is selected, displaying a table of events. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The events are as follows:

Event	Value	Format	Last Received
status	["temperature":113,"humidity":59]	json	a few seconds ago
status	["temperature":101,"humidity":40]	json	a few seconds ago
status	["temperature":21,"humidity":9]	json	a few seconds ago
status	["temperature":96,"humidity":61]	json	a few seconds ago
status	["temperature":24,"humidity":15]	json	a few seconds ago

Below the table, the device details are shown: ID 12345, Status Disconnected, Type NodeMCU, and Last Received Nov 15, 2022 10:41 PM.



Node-RED

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch

Properties

Authentication: API Key

API Key: 48606106da2c8dd4

Input Type: Device Event

Device Type: ☐ All or Dumpster

Device Id: ☐ All or 12345

Event: ☒ All or status

Format: ☐ All or json

QoS: 0

Name: IBM IoT

Service: registered

Enabled

debug

msg.payload : number

24

11/18/2022, 8:01:02 PM node: 17a6534797a8cb04
iot-2/type/DumpsterId/12345/ev/status/rtm/json :
msg.payload : number

21

11/18/2022, 8:01:04 PM node: 17a6534797a8cb04
iot-2/type/DumpsterId/12345/ev/status/rtm/json :
msg.payload : number

-18

11/18/2022, 8:01:06 PM node: 17a6534797a8cb04
iot-2/type/DumpsterId/12345/ev/status/rtm/json :
msg.payload : number

1

11/18/2022, 8:01:08 PM node: 17a6534797a8cb04
iot-2/type/DumpsterId/12345/ev/status/rtm/json :
msg.payload : number

-19

11/18/2022, 8:01:10 PM node: 17a6534797a8cb04
iot-2/type/DumpsterId/12345/ev/status/rtm/json :
msg.payload : number

85