

SPRINT DELIVERY 4

Team ID: PNT2022TMID20456

Simulation on Node-Red with IOT Watson platform

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area displays a table of devices with columns: Device ID, Status, Device Type, Class ID, and Date Added. The selected device is 1911090, which is 'Disconnected' and of type 'Farmer_IoT'. Below the table, there are tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is active, showing a list of events with columns: Event, Value, Format, and Last Received. The events are as follows:

Event	Value	Format	Last Received
Data	{"temp":25.5,"moisture":15}	json	a few seconds ago
Data	{"temp":25.5,"moisture":47}	json	a few seconds ago
Data	{"temp":25.5,"moisture":40}	json	a few seconds ago
Data	{"temp":25.5,"moisture":27}	json	a few seconds ago
Data	{"temp":32.9,"moisture":15}	json	a few seconds ago

The screenshot shows a Node-RED flow diagram. The flow starts with an 'IBM IoT' node (labeled 'connected'). This node connects to two function nodes: 'temperature' and 'humidity'. The 'temperature' function node connects to 'Temperature daily chart', 'Temperature' (gauge), and 'msg'. The 'humidity' function node connects to 'Humidity' (gauge) and 'Humidity chart'. The 'msg' node connects to 'Temperature' and 'Humidity'. The right sidebar shows the debug console with the following messages:

```
msg: Object
  { topic: "iot-2/type/Farmer_IoT/id/19110-",
    payload: object, deviceId: "1911090",
    deviceType: "Farmer_IoT", eventType: "Data" }
11/19/2022, 11:47:02 PM node: f21050311628f1f6
msg: Object
  { payload: 25.5, _msgid: "b4c90a4dd4d05f7b" }
11/19/2022, 11:47:02 PM node: f21050311628f1f6
msg: Object
  { payload: 47, _msgid: "b4c90a4dd4d05f7b" }
11/19/2022, 11:47:02 PM node: f21050311628f1f6
iot-2/type/Farmer_IoT/id/1911090/evt/Data/int/json:
msg: Object
  { topic: "iot-2/type/Farmer_IoT/id/19110-",
    payload: object, deviceId: "1911090",
    deviceType: "Farmer_IoT", eventType: "Data" }
11/19/2022, 11:47:02 PM node: f21050311628f1f6
msg: Object
  { payload: 25.5, _msgid: "18e7d315e4e6f523" }
11/19/2022, 11:47:02 PM node: f21050311628f1f6
```

