

# Configure the Application to Receive the Data from cloud

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Project Name	Hazardous Area Monitoring for Industrial Plant Powered by IoT

## Node red flow created to get values

The screenshot displays the Node-RED web interface in a browser. The left sidebar shows the 'filter nodes' panel with categories: input, output, and sequence. The 'input' category is expanded, showing nodes like 'tcp in', 'tcp out', 'tcp request', 'udp in', 'udp out', and 'ibmiot in'. The 'sequence' category shows 'split', 'join', and 'sort' nodes. The main workspace shows a flow named 'Flow 1'. The flow starts with an 'ibmiot in' node, which connects to a 'split' node. The 'split' node has two outputs, each leading to a 'function' node. The 'function' nodes are connected to a 'msg.payload' node. The right sidebar shows the 'debug' console with a list of messages. The messages are JSON objects containing temperature and humidity data. A OneDrive notification is visible in the bottom right corner, stating 'Screenshot saved'.

```
msg : string[18]
"ouch returned 404"
11/19/2022, 5:16:00 AM node: f2f2649a.0d0d98
iot-2/type/UltrasonicId/1234/evt/event_1/fmt/json :
msg.payload : Object
{ temperature: 1, Humidity: 0.1,
status: "normal" }
11/19/2022, 5:16:00 AM node: f2f2649a.0d0d98
iot-2/type/UltrasonicId/1234/evt/event_1/fmt/json :
msg.payload : undefined
undefined
11/19/2022, 5:16:01 AM node: b604f8764a922955
msg : string[18]
"ouch returned 404"
11/19/2022, 5:16:06 AM node: f2f2649a.0d0d98
iot-2/type/UltrasonicId/1234/evt/event_1/fmt/json :
msg.payload : Object
{ temperature: 1, Humidity: 0.1,
status: "normal" }
11/19/2022, 5:16:06 AM node: f2f2649a.0d0d98
iot-2/type/UltrasonicId/1234/evt/event_1/fmt/json :
```

## Configuring function to fetch the desired value

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow with three function nodes. The first function node is selected, and its configuration panel is open. The 'Properties' section shows the 'Name' field set to 'Name'. The 'Setup' tab is active, and the code editor contains the following JavaScript code:

```
1 msg.payload=msg.payload.temp;  
2 global.set('t',msg.payload)  
3 return msg;
```

The right sidebar shows the 'config' tab with a list of flows. The 'On all flows' section is expanded, showing a 'Hazardous' status set to '2'. The bottom status bar indicates the temperature is 28°C and the weather is Sunny.

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow with three function nodes. The second function node is selected, and its configuration panel is open. The 'Properties' section shows the 'Name' field set to 'Name'. The 'Setup' tab is active, and the code editor contains the following JavaScript code:

```
1 msg.payload=msg.payload.humid;  
2 global.set('h',msg.payload)  
3 return msg;
```

The right sidebar shows the 'config' tab with a list of flows. The 'On all flows' section is expanded, showing a 'Hazardous' status set to '2'. The bottom status bar indicates the temperature is 28°C and the weather is Sunny.

## Application to render the values and display it in app

