

Create HTTP Requests To Communicate With Mobile App

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PROJECT NAME	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT

Step 1:

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow named 'Flow 1'. The flow starts with an 'inject' node connected to a 'Humid' function node, which is then connected to a 'Humidity' output node. Below this, there is a 'webpage' function node connected to an 'http' output node. Another 'http' input node is connected to a 'command' function node, which is then connected to a 'msg.payload' output node. The 'debug' console on the right shows the following log entries:

```
msg.payload: Object
> { temp: 95, Humid: 64 }
11/17/2022, 2:55:24 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
64
11/17/2022, 2:55:25 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
95
11/17/2022, 2:55:34 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: Object
> { temp: 107, Humid: 87 }
11/17/2022, 2:55:34 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
87
11/17/2022, 2:55:34 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
107
```

Step 2:

The screenshot shows the Node-RED web interface with the 'Edit function node' dialog open for the 'webpage' function. The dialog has a 'Name' field set to 'webpage' and a 'Setup' tab selected. The code in the 'On Message' tab is as follows:

```
1 msg.payload={ 'temperature':global.get("temperature"), 'humidity':global.get("humidity") }
2 return msg;
```

The 'debug' console on the right shows the following log entries:

```
msg.payload: Object
> { temp: 100, Humid: 80 }
11/17/2022, 3:24:31 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
80
11/17/2022, 3:24:35 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: Object
> { temp: 93, Humid: 67 }
11/17/2022, 3:24:35 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
67
11/17/2022, 3:24:35 PM node: 12f549a 0d0d98
iot-2/type/demo-1/id/12345/ev/iotSensorfmt/json :
msg.payload: number
93
```

Dashboard:

