

Creation of web application using node red Team

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The image displays two screenshots related to a Node-RED web application.

The top screenshot shows the "New dashboard" interface. It features four widgets, each labeled "lot UI":

- Soil Moisture:** A gauge widget showing a value of 0 on a scale from 0 to 100.
- Humidity:** An empty box for a future widget.
- Temperature:** An empty box for a future widget.
- Control Panel:** Two blue buttons labeled "MOTOR ON" and "MOTOR OFF".

The bottom screenshot shows the Node-RED editor interface for "Flow 2". The flow diagram includes the following components and connections:

- Inputs:** An "IBM IoT" node (connected) feeds into three function nodes: "Soil Moisture", "humidity", and "Temperature".
- Processing:** Each of these function nodes is connected to a corresponding "msg.payload" node.
- Outputs:** The "Soil Moisture", "humidity", and "Temperature" nodes are connected to "Soil Moisture", "Humidity", and "Temperature" display widgets, respectively.
- Control Logic:** A "switch" node receives input from the "MOTOR ON" and "MOTOR OFF" buttons. It connects to an "http request" node, which then connects to a "msg.payload" node.
- API Endpoints:** The "http request" node is connected to a "[get] /data" node, which connects to a "data" function node. The "data" function node connects to an "http" node.
- Motor Control:** The "Motor ON" and "Motor OFF" buttons are connected to "Motor ON" and "Motor OFF" function nodes, which then connect to "msg.payload" nodes.
- API Endpoints:** The "Motor ON" and "Motor OFF" nodes are connected to "[get] /command" nodes, which connect to "http" nodes.

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

```
11/15/2022, 12:15:56 PM: node: IBM IoT  
msg: string[41]  
"Error: Connection refused: Not authorized"  
11/15/2022, 12:15:56 PM: node: IBM IoT  
msg: string[41]  
"Error: Connection refused: Not authorized"  
11/15/2022, 12:39:42 PM: node: 231f4526cc38036e  
[object Object] msg.payload: Object  
* { command: "motoron" }
```