

Develop a Web Application Using Node red Service

Develop the web Application using Node Red

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The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with the following components:

- Inputs:** Two 'light on' and 'light off' buttons at the bottom.
- Processing:** Two function nodes labeled 'Temperature node' and 'Humidity' in the center.
- Outputs:** Two 'msg.payload' nodes at the top and bottom, and two 'Temperature' and 'Humidity' nodes on the right.
- Connectors:** Two 'IBM IoT' nodes (one at the top left, one at the bottom right) connected to the function nodes and the 'msg.payload' nodes.

The right-hand 'debug' console shows a log of messages:

```
11/16/2022, 10:40:08 AM fccb540c26b153  
iot-2/typeID26470/0/AAJDidrev/1/mst/json :  
msg.payload : Object  
  { temperature: 48, Humidity: 96 }  
11/16/2022, 11:22:13 AM node: 27a1901b72660c7  
iot-2/typeID26470/0/AAJDidrev/1/mst/json :  
msg.payload : Object  
  { temperature: 37, Humidity: 17 }  
11/16/2022, 11:28:47 AM node: 27a1901b72660c7  
iot-2/typeID26470/0/AAJDidrev/1/mst/json :  
msg.payload : Object  
  { temperature: 85, Humidity: 81 }  
11/16/2022, 11:33:52 AM node: 27a1901b72660c7  
iot-2/typeID26470/0/AAJDidrev/1/mst/json :  
msg.payload : Object  
  { temperature: 38, Humidity: 91 }  
11/16/2022, 1:28:13 PM node: 2c9cc1b0d1b26117  
msg.payload : Object  
  { command: "lighton" }  
11/16/2022, 1:46:25 PM node: 2c9cc1b0d1b26117  
msg.payload : Object  
  { command: "lightoff" }
```

The bottom status bar shows the system time as 14:00 on 16-11-2022.

IBM

IoT-B1-11

IBM Cloud

Node-RE

IoT-B1-11

MIT App

IBM Wat

Sign up f

My Drive

Node-RE

MIT App

Not secure | ai2.appinventor.mit.edu/#4567823238955008

Palette

Search Components...

User Interface

Button

CheckBox

DatePicker

Image

Label

ListPicker

ListView

Notifier

PasswordTextBox

Slider

Spinner

Switch

TextBox

TimePicker

WebView

Layout

Media

Drawing and Animation

Maps

Viewer

Display hidden components in Viewer

Phone size (505,320)

Screen1

Hazardous area Monitoring

Temperature

Humidity

Control

LIGHT ON

LIGHT OFF

Components

Screen1

HorizontalArrangement1

Label1

HorizontalArrangement2

Label2

TextBox1

HorizontalArrangement3

Label3

TextBox2

HorizontalArrangement4

Label4

HorizontalArrangement5

Button1

Button2

Rename

Delete

Media

Upload File...

Properties

Button1

BackgroundColor

Default

Enabled

FontBold

FontItalic

FontSize

20.0

FontTypeface

default

Height

Automatic...

Width

Automatic...

Image

None...

Shape

default

ShowFeedback

Text

LIGHT ON

TextAlignment

center

27°C

Polluted air

Search

ENG

IN

18:55

16-11-2022