

Date	29 October 2022
Team ID	PNT2022TMID11578
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

## Build A Web Application Using Node-RED Service/Build A Web Application Using Node-RED/flows.json

CODE:

```

    "id": "931153a67f419cc7",
    "id": "931153a67f419cc7",
    "type": "tab",
    "label": "Flow 1",
    "disabled": false,
    "info": "",
    "env": []
  },
  {
    "id": "1f76e7a65e8d65a7",
    "type": "ibmiot in",
    "z": "931153a67f419cc7",
    "authentication": "apiKey",
    "apiKey": "b2ede069630b4886",
    "inputType": "evt",
    "logicalInterface": "",
    "ruleId": "",

```

```
"deviceId": "DeviceID1",
"applicationId": "",
"deviceType": "Devicetype1",
"eventType": "+",
"commandType": "",
"format": "json",
"name": "IBM IoT",
"service": "registered",
"allDevices": "",
"allApplications": "",
"allDeviceTypes": "",
"allLogicalInterfaces": "",
"allEvents": true,
"allCommands": "",
"allFormats": "",
"qos": 0,
"x": 70,
"y": 20,
"wires": [
  [
    "dd48d91014d7df34",
    "2c5830d11ddd6bf5",
    "12731096ae105ada"
  ]
]
},
{
  "id": "dd48d91014d7df34",
```

```
"type": "debug",
"z": "931153a67f419cc7",
"name": "",
"active": false,
"tosidebar": true,
"console": false,
"tostatus": false,
"complete": "payload",
"targetType": "msg",
"statusVal": "",
"statusType": "auto",
"x": 430,
"y": 20,
"wires": []
},
{
  "id": "2c5830d11ddd6bf5",
  "type": "function",
  "z": "931153a67f419cc7",
  "name": "Temperature node",
  "func": "msg.payload = msg.payload.Temperature\\nglobal.set('t',
msg.payload)\\nreturn msg;",
  "outputs": 1,
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
  "x": 450,
```

```
"y": 80,
"wires": [
  [
    "8e11ed2178ace305"
  ]
]
},
{
  "id": "8e11ed2178ace305",
  "type": "ui_gauge",
  "z": "931153a67f419cc7",
  "name": "",
  "group": "04aec9e1fb3d61bc",
  "order": 0,
  "width": 0,
  "height": 0,
  "gtype": "gage",
  "title": "Temperature",
  "label": "C",
  "format": "{{value}}",
  "min": 0,
  "max": "100",
  "colors": [
    "#00b500",
    "#e6e600",
    "#ca3838"
  ],
  "seg1": "",
```

```
"seg2": "",
"className": "",
"x": 750,
"y": 80,
"wires": []
},
{
  "id": "12731096ae105ada",
  "type": "function",
  "z": "931153a67f419cc7",
  "name": "Humidity node",
  "func": "msg.payload = msg.payload.Humidity\\nglobal.set('h',
msg.payload)\\nreturn msg;",
  "outputs": 1,
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
  "x": 440,
  "y": 140,
  "wires": [
    [
      "ff717bcd6da128c5"
    ]
  ]
},
{
  "id": "ff717bcd6da128c5",
```

```
"type": "ui_gauge",
"z": "931153a67f419cc7",
"name": "",
"group": "04aec9e1fb3d61bc",
"order": 0,
"width": 0,
"height": 0,
"ctype": "gauge",
"title": "Humidity",
"label": "% ",
"format": "{{ value }}",
"min": 0,
"max": "100",
"colors": [
    "#00b500",
    "#e6e600",
    "#ca3838"
],
"seg1": "",
"seg2": "",
"className": "",
"x": 740,
"y": 140,
"wires": []
},
{
  "id": "df8c8177c6f9b809",
  "type": "ui_button",
```

```
"z": "931153a67f419cc7",
"name": "",
"group": "04aec9e1fb3d61bc",
"order": 2,
"width": 0,
"height": 0,
"passthru": false,
"label": "Light ON",
"tooltip": "",
"color": "",
"bgcolor": "",
"className": "",
"icon": "",
"payload": "{\"command\":\"Light ON\"}",
"payloadType": "json",
"topic": "topic",
"topicType": "msg",
"x": 100,
"y": 260,
"wires": [
  [
    "e17f84198e248fc6",
    "685020225491f9c8"
  ]
]
},
{
  "id": "e17f84198e248fc6",
```

```
"type": "debug",
"z": "931153a67f419cc7",
"name": "",
"active": false,
"tosidebar": true,
"console": false,
"tostatus": false,
"complete": "payload",
"targetType": "msg",
"statusVal": "",
"statusType": "auto",
"x": 750,
"y": 260,
"wires": []
},
{
  "id": "35cb4c9b327d9cc2",
  "type": "ui_button",
  "z": "931153a67f419cc7",
  "name": "",
  "group": "04aec9e1fb3d61bc",
  "order": 3,
  "width": 0,
  "height": 0,
  "passthru": false,
  "label": "Light OFF",
  "tooltip": "",
  "color": "",
```



```
"bgcolor": "",
"className": "",
"icon": "",
"payload": "{\"command\":\"Light OFF\"}",
"payloadType": "json",
"topic": "topic",
"topicType": "msg",
"x": 100,
"y": 320,
"wires": [
  [
    "e17f84198e248fc6",
    "685020225491f9c8"
  ]
],
},
{
  "id": "685020225491f9c8",
  "type": "ibmiot out",
  "z": "931153a67f419cc7",
  "authentication": "apiKey",
  "apiKey": "b2ede069630b4886",
  "outputType": "cmd",
  "deviceId": "DeviceID1",
  "deviceType": "Devicetype1",
  "eventCommandType": "command",
  "format": "String",
  "data": "1",
```

```
"qos": 0,
"name": "IBM IoT",
"service": "registered",
"x": 740,
"y": 320,
"wires": []
},
{
  "id": "a9534596929fcd98",
  "type": "http in",
  "z": "931153a67f419cc7",
  "name": "",
  "url": "/sensor",
  "method": "get",
  "upload": false,
  "swaggerDoc": "",
  "x": 110,
  "y": 200,
  "wires": [
    [
      "7cd4e3e3f0b06bf6"
    ]
  ]
},
{
  "id": "13c73a4f8f26302d",
  "type": "http response",
  "z": "931153a67f419cc7",
```

```
"name": "",
"statusCode": "",
"headers": {},
"x": 730,
"y": 200,
"wires": []
},
{
  "id": "7cd4e3e3f0b06bf6",
  "type": "function",
  "z": "931153a67f419cc7",
  "name": "httpfunctionnode",
  "func": "msg.payload = { \"Temperature\": global.get(\"t\"),
\\\"Humidity\": global.get(\"h\") }\\nreturn msg;",
  "outputs": 1,
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
  "x": 430,
  "y": 200,
  "wires": [
    [
      "13c73a4f8f26302d"
    ]
  ]
},
{
```

```
"id": "fd5239f9a0681d1f",
"type": "http in",
"z": "931153a67f419cc7",
"name": "",
"url": "/control",
"method": "get",
"upload": false,
"swaggerDoc": "",
"x": 110,
"y": 380,
"wires": [
  [
    "f1ebac02e2968dd6"
  ]
]
},
{
  "id": "88109f6551c2547c",
  "type": "http response",
  "z": "931153a67f419cc7",
  "name": "",
  "statusCode": "",
  "headers": { },
  "x": 730,
  "y": 380,
  "wires": []
},
{
```

```
"id": "f1ebac02e2968dd6",
"type": "function",
"z": "931153a67f419cc7",
"name": "command function node",
"func": "msg.payload=msg.payload.command\nreturn msg;",
"outputs": 1,
"noerr": 0,
"initialize": "",
"finalize": "",
"libs": [],
"x": 450,
"y": 380,
"wires": [
  [
    "88109f6551c2547c",
    "e17f84198e248fc6",
    "685020225491f9c8"
  ]
]
},
{
  "id": "b2ede069630b4886",
  "type": "ibmiot",
  "name": "",
  "keepalive": "60",
  "serverName": "",
  "cleansession": true,
  "appId": "",
```

```
    "shared": false
  },
  {
    "id": "04aec9e1fb3d61bc",
    "type": "ui_group",
    "name": "Weather Monitoring",
    "tab": "c784f3676be6e912",
    "order": 1,
    "disp": true,
    "width": "6",
    "collapse": false,
    "className": ""
  },
  {
    "id": "c784f3676be6e912",
    "type": "ui_tab",
    "name": "Control",
    "icon": "dashboard",
    "disabled": false,
    "hidden": false
  }
]
```