

FLOW DIAGRAM .JSON...

```
[
  {
    "id": "6ed1189c17ed0439",
    "type": "tab",
    "label": "Flow 1",
    "disabled": false,
    "info": "",
    "env": []
  },
  {
    "id": "ce1790a002f55f3a",
    "type": "ibmiot in",
    "z": "6ed1189c17ed0439",
    "authentication": "apiKey",
    "apiKey": "bf9996433728395e",
    "inputType": "evt",
    "logicalInterface": "",
    "ruleId": "",
    "deviceId": "BIN1ID",
    "applicationId": "",
    "deviceType": "BIN1",
    "eventType": "+",
    "commandType": "",
    "format": "json",
    "name": "IBM IoT",
    "service": "registered",
    "allDevices": "",
    "allApplications": "",
    "allDeviceTypes": false,
    "allLogicalInterfaces": "",
    "allEvents": true,
    "allCommands": "",
    "allFormats": "",
    "qos": 0,
    "x": 250,
    "y": 180,
    "wires": [
      [
        "b678812da97d9d1a",
        "f720c62cad238799",
        "35b263513ea4f373"
      ]
    ]
  },
  {
    "id": "b678812da97d9d1a",
```

```

    "type": "debug",
    "z": "6ed1189c17ed0439",
    "name": "msg.payload",
    "active": true,
    "tosidebar": true,
    "console": false,
    "tostatus": false,
    "complete": "payload",
    "targetType": "msg",
    "statusVal": "",
    "statusType": "auto",
    "x": 610,
    "y": 180,
    "wires": []
  },
  {
    "id": "f720c62cad238799",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "Distance 1",
    "func": "msg.payload = msg.payload.dist\\nglobal.set('d',msg.payload)\\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 430,
    "y": 220,
    "wires": [
      [
        "5dcba252dc78b06",
        "b678812da97d9d1a"
      ]
    ]
  },
  {
    "id": "35b263513ea4f373",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "LOAD cell 1",
    "func": "msg.payload =msg. payload.load\\nglobal.set('l', msg.payload)\\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 430,

```

```

        "y": 300,
        "wires": [
            [
                "b7ac8ba401c6cab8"
            ]
        ]
    },
    {
        "id": "5dcbafe252dc78b06",
        "type": "ui_gauge",
        "z": "6ed1189c17ed0439",
        "name": "",
        "group": "f3b64a4198b3c46c",
        "order": 1,
        "width": 4,
        "height": 4,
        "gtype": "gage",
        "title": "Distance 1",
        "label": "Cm",
        "format": "{{value}}",
        "min": 0,
        "max": "100",
        "colors": [
            "#00b500",
            "#e6e600",
            "#ca3838"
        ],
        "seg1": "",
        "seg2": "",
        "className": "",
        "x": 710,
        "y": 240,
        "wires": []
    },
    {
        "id": "b7ac8ba401c6cab8",
        "type": "ui_gauge",
        "z": "6ed1189c17ed0439",
        "name": "",
        "group": "f3b64a4198b3c46c",
        "order": 2,
        "width": 4,
        "height": 4,
        "gtype": "gage",
        "title": "LOAD CELL 1",
        "label": "KG",
        "format": "{{value}}",

```

```

    "min": 0,
    "max": "100",
    "colors": [
        "#00b500",
        "#e6e600",
        "#ca3838"
    ],
    "seg1": "",
    "seg2": "",
    "className": "",
    "x": 720,
    "y": 300,
    "wires": []
},
{
    "id": "5de18859cabb1a5d",
    "type": "http in",
    "z": "6ed1189c17ed0439",
    "name": "",
    "url": "/sensor",
    "method": "get",
    "upload": false,
    "swaggerDoc": "",
    "x": 210,
    "y": 420,
    "wires": [
        [
            "80650c336af78c61"
        ]
    ]
},
{
    "id": "5ab7d1be9c4e2831",
    "type": "http response",
    "z": "6ed1189c17ed0439",
    "name": "",
    "statusCode": "",
    "headers": {},
    "x": 710,
    "y": 400,
    "wires": []
},
{
    "id": "80650c336af78c61",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "function 1",

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"func": "msg.payload = { \"dist\": global.get('d'), \"load\": global.get('l')}\nreturn
msg;",
  "outputs": 1,
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
  "x": 460,
  "y": 420,
  "wires": [
    [
      "5ab7d1be9c4e2831"
    ]
  ]
},
{
  "id": "e0022c1a3e189dea",
  "type": "ibmiot in",
  "z": "6ed1189c17ed0439",
  "authentication": "apiKey",
  "apiKey": "bf9996433728395e",
  "inputType": "evt",
  "logicalInterface": "",
  "ruleId": "",
  "deviceId": "BIN2ID",
  "applicationId": "",
  "deviceType": "BIN2",
  "eventType": "+",
  "commandType": "",
  "format": "json",
  "name": "IBM IoT",
  "service": "registered",
  "allDevices": "",
  "allApplications": "",
  "allDeviceTypes": false,
  "allLogicalInterfaces": "",
  "allEvents": true,
  "allCommands": "",
  "allFormats": "",
  "qos": 0,
  "x": 250,
  "y": 500,
  "wires": [
    [
      "2a22e946c6d5f734",
      "233a55d8b0e40a46",
      "a5ed197df7ced05a"
    ]
  ]
}

```

```

        ]
    ]
},
{
    "id": "233a55d8b0e40a46",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "Distance 2",
    "func": "msg.payload = msg.payload.dist\nglobal.set('d',msg.payload)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 450,
    "y": 540,
    "wires": [
        [
            "2a22e946c6d5f734",
            "9b44a1863803e38a"
        ]
    ]
},
{
    "id": "a5ed197df7ced05a",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "LOAD cell 2",
    "func": "msg.payload =msg. payload.load\nglobal.set('l', msg.payload)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 450,
    "y": 600,
    "wires": [
        [
            "40ccb32035a0f55f"
        ]
    ]
},
{
    "id": "2a22e946c6d5f734",
    "type": "debug",
    "z": "6ed1189c17ed0439",
    "name": "msg.payload",

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    "active": true,
    "tosidebar": true,
    "console": false,
    "tostatus": false,
    "complete": "payload",
    "targetType": "msg",
    "statusVal": "",
    "statusType": "auto",
    "x": 650,
    "y": 480,
    "wires": []
  },
  {
    "id": "9b44a1863803e38a",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 4,
    "width": 4,
    "height": 4,
    "gtype": "gage",
    "title": "Distance 2",
    "label": "Cm",
    "format": "{{value}}",
    "min": 0,
    "max": "100",
    "colors": [
      "#00b500",
      "#e6e600",
      "#ca3838"
    ],
    "seg1": "",
    "seg2": "",
    "className": "",
    "x": 710,
    "y": 540,
    "wires": []
  },
  {
    "id": "40ccb32035a0f55f",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 5,
    "width": 4,

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        "height": 4,
        "gtype": "gage",
        "title": "LOAD CELL 2",
        "label": "KG",
        "format": "{{value}}",
        "min": 0,
        "max": "100",
        "colors": [
            "#00b500",
            "#e6e600",
            "#ca3838"
        ],
        "seg1": "",
        "seg2": "",
        "className": "",
        "x": 720,
        "y": 580,
        "wires": []
    },
    {
        "id": "60298a7291818343",
        "type": "http in",
        "z": "6ed1189c17ed0439",
        "name": "",
        "url": "/sensor",
        "method": "get",
        "upload": false,
        "swaggerDoc": "",
        "x": 190,
        "y": 660,
        "wires": [
            [
                "616151913ceb65e2"
            ]
        ]
    },
    {
        "id": "616151913ceb65e2",
        "type": "function",
        "z": "6ed1189c17ed0439",
        "name": "function 2",
        "func": "msg.payload = { \"dist\": global.get('d'), \"load\": global.get('l')}\nreturn
msg; ",
        "outputs": 1,
        "noerr": 0,
        "initialize": "",
        "finalize": "",

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```

    "libs": [],
    "x": 420,
    "y": 660,
    "wires": [
      [
        "332391e22b2af8e8"
      ]
    ]
  },
  {
    "id": "332391e22b2af8e8",
    "type": "http response",
    "z": "6ed1189c17ed0439",
    "name": "",
    "statusCode": "",
    "headers": {},
    "x": 670,
    "y": 660,
    "wires": []
  },
  {
    "id": "4d33e05e616db2bb",
    "type": "ibmiot in",
    "z": "6ed1189c17ed0439",
    "authentication": "apiKey",
    "apiKey": "bf9996433728395e",
    "inputType": "evt",
    "logicalInterface": "",
    "ruleId": "",
    "deviceId": "BIN3ID",
    "applicationId": "",
    "deviceType": "BIN3",
    "eventType": "+",
    "commandType": "",
    "format": "json",
    "name": "IBM IoT",
    "service": "registered",
    "allDevices": "",
    "allApplications": "",
    "allDeviceTypes": false,
    "allLogicalInterfaces": "",
    "allEvents": true,
    "allCommands": "",
    "allFormats": "",
    "qos": 0,
    "x": 250,
    "y": 760,

```

```

    "wires": [
      [
        "c7ddb56ba52e82df",
        "fbf611802e58a9d1",
        "231892da1f5ab0fb"
      ]
    ]
  },
  {
    "id": "1c11c86fbb36f097",
    "type": "http in",
    "z": "6ed1189c17ed0439",
    "name": "",
    "url": "/sensor",
    "method": "get",
    "upload": false,
    "swaggerDoc": "",
    "x": 190,
    "y": 900,
    "wires": [
      [
        "cdea8fe7bd7a2f5e"
      ]
    ]
  },
  {
    "id": "c49cd92e337f886b",
    "type": "debug",
    "z": "6ed1189c17ed0439",
    "name": "msg.payload",
    "active": true,
    "tosidebar": true,
    "console": false,
    "tostatus": false,
    "complete": "payload",
    "targetType": "msg",
    "statusVal": "",
    "statusType": "auto",
    "x": 750,
    "y": 940,
    "wires": []
  },
  {
    "id": "c7ddb56ba52e82df",
    "type": "debug",
    "z": "6ed1189c17ed0439",
    "name": "msg.payload",

```

```

    "active": true,
    "tosidebar": true,
    "console": false,
    "tostatus": false,
    "complete": "payload",
    "targetType": "msg",
    "statusVal": "",
    "statusType": "auto",
    "x": 690,
    "y": 760,
    "wires": []
  },
  {
    "id": "71be31afc89560dd",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "Distance 4",
    "func": "msg.payload = msg.payload.dist\nglobal.set('d',msg.payload)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 470,
    "y": 980,
    "wires": [
      [
        "c49cd92e337f886b",
        "b88ea394cc4571c3"
      ]
    ]
  },
  {
    "id": "fbf611802e58a9d1",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "Distance 3",
    "func": "msg.payload = msg.payload.dist\nglobal.set('d',msg.payload)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 470,
    "y": 780,
    "wires": [
      [

```

```

        "c7ddb56ba52e82df",
        "240d2e6c8f487fd8"
    ]
}
{
    "id": "231892da1f5ab0fb",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "LOAD cell 3",
    "func": "msg.payload =msg. payload.load\nglobal.set('l', msg.payload)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 470,
    "y": 820,
    "wires": [
        [
            "e18c17929284e061"
        ]
    ]
},
{
    "id": "a0cbff62cdd2e77c",
    "type": "function",
    "z": "6ed1189c17ed0439",
    "name": "LOAD cell 4",
    "func": "msg.payload =msg. payload.load\nglobal.set('l', msg.payload)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 470,
    "y": 1020,
    "wires": [
        [
            "c7a15e2a5bf9c2da"
        ]
    ]
},
{
    "id": "cdea8fe7bd7a2f5e",
    "type": "function",
    "z": "6ed1189c17ed0439",

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```

        "name": "function 3",
        "func": "msg.payload = { \"dist\": global.get('d'), \"load\": global.get('l')}\nreturn
msg;";
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 420,
    "y": 900,
    "wires": [
        [
            "9bfb685be1503933"
        ]
    ]
},
{
    "id": "9bfb685be1503933",
    "type": "http response",
    "z": "6ed1189c17ed0439",
    "name": "",
    "statusCode": "",
    "headers": {},
    "x": 690,
    "y": 900,
    "wires": []
},
{
    "id": "240d2e6c8f487fd8",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 15,
    "width": 4,
    "height": 4,
    "gtype": "gage",
    "title": "Distance 3",
    "label": "Cm",
    "format": "{{value}}",
    "min": 0,
    "max": "100",
    "colors": [
        "#00b500",
        "#e6e600",
        "#ca3838"
    ]
},

```

```

    "seg1": "",
    "seg2": "",
    "className": "",
    "x": 830,
    "y": 800,
    "wires": []
  },
  {
    "id": "b88ea394cc4571c3",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 18,
    "width": 4,
    "height": 4,
    "gtype": "gage",
    "title": "Distance 4",
    "label": "Cm",
    "format": "{{value}}",
    "min": 0,
    "max": "100",
    "colors": [
      "#00b500",
      "#e6e600",
      "#ca3838"
    ],
    "seg1": "",
    "seg2": "",
    "className": "",
    "x": 750,
    "y": 1000,
    "wires": []
  },
  {
    "id": "e18c17929284e061",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 16,
    "width": 4,
    "height": 4,
    "gtype": "gage",
    "title": "LOAD CELL 3",
    "label": "KG",
    "format": "{{value}}",

```

```

    "min": 0,
    "max": "100",
    "colors": [
        "#00b500",
        "#e6e600",
        "#ca3838"
    ],
    "seg1": "",
    "seg2": "",
    "className": "",
    "x": 840,
    "y": 840,
    "wires": []
},
{
    "id": "147146a0342debce",
    "type": "ibmiot in",
    "z": "6ed1189c17ed0439",
    "authentication": "apiKey",
    "apiKey": "bf9996433728395e",
    "inputType": "evt",
    "logicalInterface": "",
    "ruleId": "",
    "deviceId": "BIN4ID",
    "applicationId": "",
    "deviceType": "BIN4",
    "eventType": "+",
    "commandType": "",
    "format": "json",
    "name": "IBM IoT",
    "service": "registered",
    "allDevices": "",
    "allApplications": "",
    "allDeviceTypes": false,
    "allLogicalInterfaces": "",
    "allEvents": true,
    "allCommands": "",
    "allFormats": "",
    "qos": 0,
    "x": 230,
    "y": 1000,
    "wires": [
        [
            "71be31afc89560dd",
            "a0cbff62cdd2e77c",
            "c49cd92e337f886b"
        ]
    ]
}

```

```

    ]
  },
  {
    "id": "c7a15e2a5bf9c2da",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 19,
    "width": 4,
    "height": 4,
    "gtype": "gage",
    "title": "LOAD CELL 4",
    "label": "KG",
    "format": "{{value}}",
    "min": 0,
    "max": "100",
    "colors": [
      "#00b500",
      "#e6e600",
      "#ca3838"
    ],
    "seg1": "",
    "seg2": "",
    "className": "",
    "x": 760,
    "y": 1040,
    "wires": []
  },
  {
    "id": "3cec67f2e3359287",
    "type": "http in",
    "z": "6ed1189c17ed0439",
    "name": "",
    "url": "/sensor",
    "method": "get",
    "upload": false,
    "swaggerDoc": "",
    "x": 230,
    "y": 1080,
    "wires": [
      [
        "c08f7bb853942b70"
      ]
    ]
  },
  {
    {

```



```

        "id": "c08f7bb853942b70",
        "type": "function",
        "z": "6ed1189c17ed0439",
        "name": "function 4",
        "func": "msg.payload = { \"dist\": global.get('d'), \"load\": global.get('l')}\nreturn
msg;",
        "outputs": 1,
        "noerr": 0,
        "initialize": "",
        "finalize": "",
        "libs": [],
        "x": 460,
        "y": 1080,
        "wires": [
            [
                "07773f295c5a783c"
            ]
        ]
    },
    {
        "id": "07773f295c5a783c",
        "type": "http response",
        "z": "6ed1189c17ed0439",
        "name": "",
        "statusCode": "",
        "headers": {},
        "x": 670,
        "y": 1080,
        "wires": []
    },
    {
        "id": "517648d26c93720d",
        "type": "ui_spacer",
        "z": "6ed1189c17ed0439",
        "name": "spacer",
        "group": "f3b64a4198b3c46c",
        "order": 3,
        "width": 4,
        "height": 1
    },
    {
        "id": "e3086afde0717b7f",
        "type": "ui_spacer",
        "z": "6ed1189c17ed0439",
        "name": "spacer",
        "group": "f3b64a4198b3c46c",
        "order": 6,

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```
    "width": 4,
    "height": 1
  },
  {
    "id": "329502bdd11bd52a",
    "type": "ui_spacer",
    "z": "6ed1189c17ed0439",
    "name": "spacer",
    "group": "f3b64a4198b3c46c",
    "order": 7,
    "width": 4,
    "height": 1
  },
  {
    "id": "7321a3216f223378",
    "type": "ui_spacer",
    "z": "6ed1189c17ed0439",
    "name": "spacer",
    "group": "f3b64a4198b3c46c",
    "order": 8,
    "width": 4,
    "height": 1
  },
  {
    "id": "f830dc54889698c4",
    "type": "ui_spacer",
    "z": "6ed1189c17ed0439",
    "name": "spacer",
    "group": "f3b64a4198b3c46c",
    "order": 9,
    "width": 4,
    "height": 1
  },
  {
    "id": "3e4d0a1c6525c3dd",
    "type": "ui_spacer",
    "z": "6ed1189c17ed0439",
    "name": "spacer",
    "group": "f3b64a4198b3c46c",
    "order": 10,
    "width": 4,
    "height": 1
  },
  {
    "id": "f5fa3cc71404c6c2",
    "type": "ui_spacer",
    "z": "6ed1189c17ed0439",
```

```
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