

[

```
{
  "id": "6ed1189c17ed0439",
  "type": "tab",
  "label": "Flow 1",
  "disabled": false,
  "info": "",
  "env": []
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{
  "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",
```

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        "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": [
            [
                "5dcbafe252dc78b06",
                "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": "",

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        "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,

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    "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": []
},

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{
  "id": "80650c336af78c61",
  "type": "function",
  "z": "6ed1189c17ed0439",
  "name": "function 1",
  "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,

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```

        "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": [
            [

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        "40ccb32035a0f55f"
    ]
}
{
    "id": "2a22e946c6d5f734",
    "type": "debug",
    "z": "6ed1189c17ed0439",
    "name": "msg.payload",
    "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,

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    "wires": []
  },
  {
    "id": "40ccb32035a0f55f",
    "type": "ui_gauge",
    "z": "6ed1189c17ed0439",
    "name": "",
    "group": "f3b64a4198b3c46c",
    "order": 5,
    "width": 4,
    "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"
      ]
    ]
  },
  },

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```

{
  "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": "",
  "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",

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```

    "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,

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```

        "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",

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```

        "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",
        "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"
  ]
}
```

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    ],
    "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": "",

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    "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": "",

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```

    "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\":\nglobal.get('l')}\nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 460,
    "y": 1080,
    "wires": [
      [
        "07773f295c5a783c"
      ]
    ]
  },
  {
    "id": "07773f295c5a783c",
    "type": "http response",
    "z": "6ed1189c17ed0439",

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```
    "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,
    "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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