

```
[
  {
    "id": "6ed1189c17ed0439",
    "type": "tab",
    "label": "Flow 1",
    "disabled": "false",
    "info": "",
    "env": []
  },
  {
    "id": "ce1790a002f55f3a",
    "type": "ibmiot in",
    "z": "6ed1189c17ed0439",
    "authentication": "apiKey",
    "apiKey": "a-ktymlx-8ukpukhsbl",
    "inputType": "evt",
    "logicalInterface": "",
    "ruleId": "",
    "deviceId": "ktymlx",
    "applicationId": "",
    "deviceType": "new",
    "eventType": "+",
    "commandType": "",
    "format": "json",
    "name": "IBM IoT",
    "service": "registered",
    "allDevices": "",
    "allApplications": "",
    "allDeviceTypes": "false",
    "allLogicalInterfaces": "",
    "allEvents": "true",
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"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,

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```
"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": []
},
{
```

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"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",
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"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": "ktymlx",
  "applicationId": "",
  "deviceType": "new",
  "eventType": "+",
  "commandType": "",
  "format": "json",
  "name": "IBM IoT",
```

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"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",
"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,
    "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": "",
"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": "ktymlx",
```

```
"applicationId": "",
"deviceType": "new",
"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"
    ]
  ]
},
{
```

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"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,
"ctype": "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,
"ctype": "gauge",
"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,
    "ctype": "gauge",
```

```
"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": "ktymlx",
    "applicationId": "",
    "deviceType": "new",
    "eventType": "+",
    "commandType": ""
```

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"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,
    "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",
  "name": "spacer",
  "group": "f3b64a4198b3c46c",
  "order": 11,
  "width": 4,
  "height": 1
```

```
},
```

```
{
  "id": "eacd5aaaa83c8e0a",
  "type": "ui_spacer",
  "z": "6ed1189c17ed0439",
  "name": "spacer",
  "group": "f3b64a4198b3c46c",
  "order": 12,
  "width": 4,
  "height": 1
```

```
},
```

```
{
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