**FINAL CODE:**

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"type": "tab",

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"disabled": false,

"info": "",

"env": []

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"type": "ibmiot in",

"z": "6ed1189c17ed0439",

"authentication": "apiKey",

"apiKey": "bf9996433728395e",

"inputType": "evt",

"logicalInterface": "",

"ruleId": "",

"deviceId": "BIN1ID",

"applicationId": "",

"deviceType": "BIN1",

"eventType": "+",

"commandType": "",

"format": "json",

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"allApplications": "",

"allDeviceTypes": false,

"allLogicalInterfaces": "",

"allEvents": true,

"allCommands": "",

"allFormats": "",

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"x": 250,

"y": 180,

"wires": [

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"b678812da97d9d1a",

"f720c62cad238799",

"35b263513ea4f373"

]

]

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"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": []

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"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": [

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"5dcbaf252dc78b06",

"b678812da97d9d1a"

]

]

},

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"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": [

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]

]

},

{

"id": "5dcbaf252dc78b06",

"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": [

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"#e6e600",

"#ca3838"

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"seg1": "",

"seg2": "",

"className": "",

"x": 710,

"y": 240,

"wires": []

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{

"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"

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"seg1": "",

"seg2": "",

"className": "",

"x": 720,

"y": 300,

"wires": []

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"type": "http in",

"z": "6ed1189c17ed0439",

"name": "",

"url": "/sensor",

"method": "get",

"upload": false,

"swaggerDoc": "",

"x": 210,

"y": 420,

"wires": [

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"80650c336af78c61"

]

]

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{

"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": [

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"5ab7d1be9c4e2831"

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"id": "e0022c1a3e189dea",

"type": "ibmiot in",

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"apiKey": "bf9996433728395e",

"inputType": "evt",

"logicalInterface": "",

"ruleId": "",

"deviceId": "BIN2ID",

"applicationId": "",

"deviceType": "BIN2",

"eventType": "+",

"commandType": "",

"format": "json",

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"allApplications": "",

"allDeviceTypes": false,

"allLogicalInterfaces": "",

"allEvents": true,

"allCommands": "",

"allFormats": "",

"qos": 0,

"x": 250,

"y": 500,

"wires": [

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"2a22e946c6d5f734",

"233a55d8b0e40a46",

"a5ed197df7ced05a"

]

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"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": [

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"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"

]

]

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{

"id": "2a22e946c6d5f734",

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"name": "msg.payload",

"active": true,

"tosidebar": true,

"console": false,

"tostatus": false,

"complete": "payload",

"targetType": "msg",

"statusVal": "",

"statusType": "auto",

"x": 650,

"y": 480,

"wires": []

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"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": []

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"id": "40ccb32035a0f55f",

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"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": [

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"#e6e600",

"#ca3838"

],

"seg1": "",

"seg2": "",

"className": "",

"x": 720,

"y": 580,

"wires": []

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"id": "60298a7291818343",

"type": "http in",

"z": "6ed1189c17ed0439",

"name": "",

"url": "/sensor",

"method": "get",

"upload": false,

"swaggerDoc": "",

"x": 190,

"y": 660,

"wires": [

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"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": [

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"332391e22b2af8e8"

]

]

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{

"id": "332391e22b2af8e8",

"type": "http response",

"z": "6ed1189c17ed0439",

"name": "",

"statusCode": "",

"headers": {},

"x": 670,

"y": 660,

"wires": []

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{

"id": "4d33e05e616db2bb",

"type": "ibmiot in",

"z": "6ed1189c17ed0439",

"authentication": "apiKey",

"apiKey": "bf9996433728395e",

"inputType": "evt",

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"eventType": "+",

"commandType": "",

"format": "json",

"name": "IBM IoT",

"service": "registered",

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"allApplications": "",

"allDeviceTypes": false,

"allLogicalInterfaces": "",

"allEvents": true,

"allCommands": "",

"allFormats": "",

"qos": 0,

"x": 250,

"y": 760,

"wires": [

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"c7ddb56ba52e82df",

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"231892da1f5ab0fb"

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"type": "http in",

"z": "6ed1189c17ed0439",

"name": "",

"url": "/sensor",

"method": "get",

"upload": false,

"swaggerDoc": "",

"x": 190,

"y": 900,

"wires": [

[

"cdea8fe7bd7a2f5e"

]

]

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{

"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": []

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{

"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": []

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"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": [

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"c49cd92e337f886b",

"b88ea394cc4571c3"

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"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": [

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"c7ddb56ba52e82df",

"240d2e6c8f487fd8"

]

]

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{

"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"

]

]

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{

"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": [

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"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"

]

]

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{

"id": "9bfb685be1503933",

"type": "http response",

"z": "6ed1189c17ed0439",

"name": "",

"statusCode": "",

"headers": {},

"x": 690,

"y": 900,

"wires": []

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"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"

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"seg1": "",

"seg2": "",

"className": "",

"x": 830,

"y": 800,

"wires": []

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{

"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": []

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{

"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": []

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{

"id": "147146a0342debce",

"type": "ibmiot in",

"z": "6ed1189c17ed0439",

"authentication": "apiKey",

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"eventType": "+",

"commandType": "",

"format": "json",

"name": "IBM IoT",

"service": "registered",

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"allApplications": "",

"allDeviceTypes": false,

"allLogicalInterfaces": "",

"allEvents": true,

"allCommands": "",

"allFormats": "",

"qos": 0,

"x": 230,

"y": 1000,

"wires": [

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"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": []

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"id": "517648d26c93720d",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 3,

"width": 4,

"height": 1

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"id": "e3086afde0717b7f",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 6,

"width": 4,

"height": 1

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"id": "329502bdd11bd52a",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 7,

"width": 4,

"height": 1

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"id": "7321a3216f223378",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 8,

"width": 4,

"height": 1

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"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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"id": "e9c145684f7c3c5b",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 13,

"width": 24,

"height": 1

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"id": "4bf3afc9ad5605e6",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 14,

"width": 24,

"height": 1

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"id": "84a1cdcb1acbd2ce",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 17,

"width": 4,

"height": 1

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"id": "8e3c9b05b4f4659f",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 20,

"width": 4,

"height": 1

},

{

"id": "d3debe038a3f028a",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 21,

"width": 4,

"height": 1

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"id": "cdf1f0030c949ca8",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 22,

"width": 4,

"height": 1

},

{

"id": "28a4dbc012c368f4",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 23,

"width": 4,

"height": 1

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"id": "bbd70391a5bc8257",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 24,

"width": 4,

"height": 1

},

{

"id": "b94286c6f5fc0e17",

"type": "ui\_spacer",

"z": "6ed1189c17ed0439",

"name": "spacer",

"group": "f3b64a4198b3c46c",

"order": 25,

"width": 4,

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"id": "4dcd3b1b88e0508e",

"type": "ui\_spacer",

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"order": 26,

"width": 4,

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"id": "bf9996433728395e",

"type": "ibmiot",

"name": "Gogul",

"keepalive": "60",

"serverName": "",

"cleansession": true,

"appId": "",

"shared": false

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"id": "f3b64a4198b3c46c",

"type": "ui\_group",

"name": "control",

"tab": "2b19469befff9adb",

"order": 2,

"disp": true,

"width": "24",

"collapse": false,

"className": ""

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"id": "2b19469befff9adb",

"type": "ui\_tab",

"name": "control",

"icon": "control",

"disabled": false,

"hidden": false

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