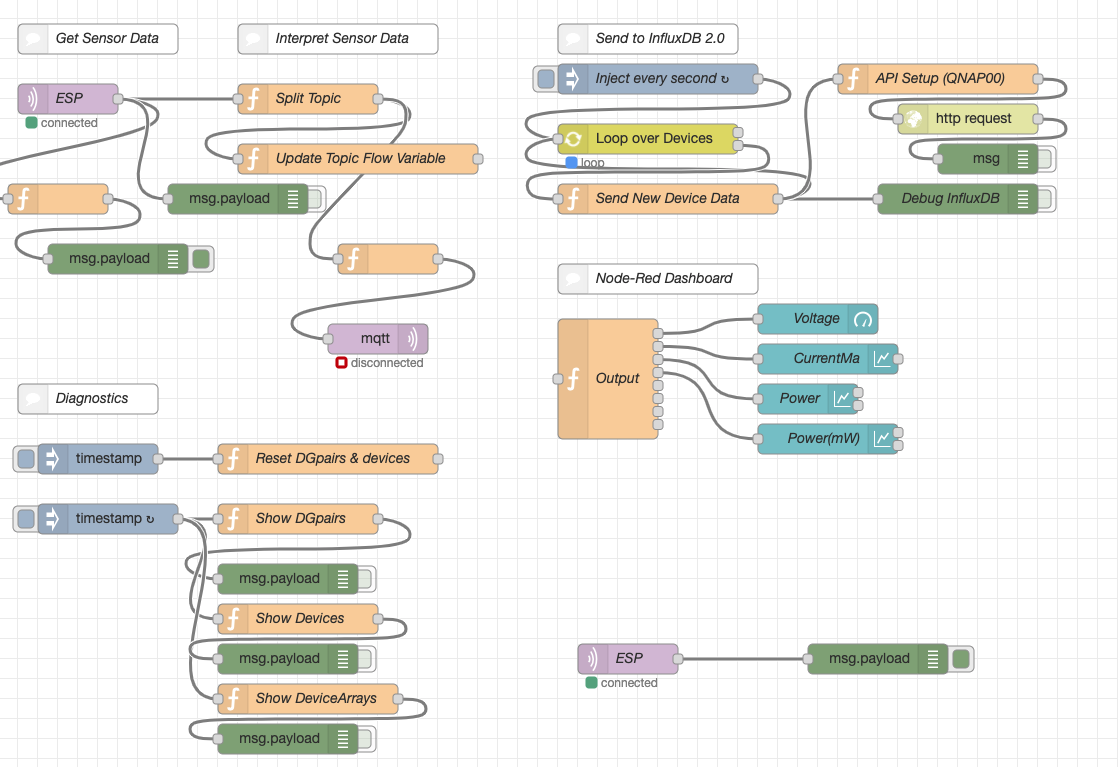
**Node-RED Setup for Sending MQTT Data to InfluxDB**

**Authored by Michael Thompson (26/02/2021)**



Overview



Step-By-Step

|  |  |  |
| --- | --- | --- |
| Step | Description | Image |
| 1 | Listen to mqtt Data |  |
| 2 | Split Topic   * Update DevInfo:   Object that pairs each device with it’s group (measurement), prefix and number given by it’s $SensorGroup topic |  |
| 3 | Update Flow Variable   * Updates flow variables for the current topic:   devices,  deviceArray,  typeDict, unitDict,  device+topic |  |
| 4 | Loop over Devices   * Each second * Loop over each device to prepare it’s data for sending |  |
| 5 | Prepare New Device Data   * Set tags from DevInfo * Set timestamp to current time * Loop over each topic for the device and append the new data to a string (Line-Protocol) |  |
| 6 | Send Via API   * Token, address, organisation, bucket and precision hardcoded from InfluxDB * Set msg variables for HTTP request node * Can add multiple outputs ie Argon and NAS |  |
| 7 | Diagnostics   * Activated via inject node * Manually hard codes some variables * Variables able to be viewed in context data menu |  |
| 8 | iFrame   * Contains Grafana Admin Dashboard |  |

InfluxDB 2.0 Flow (as at 29/3/21)

[{"id":"7be9f0.3236861","type":"tab","label":"InfluxDB 2.0","disabled":false,"info":""},{"id":"4f17fc.fc70a804","type":"inject","z":"7be9f0.3236861","name":"Inject every second","topic":"","payload":"","payloadType":"date","repeat":"3","crontab":"","once":false,"onceDelay":"0.1","x":660,"y":80,"wires":[["bb100e8f.a06d7"]]},{"id":"c2bfda7e.b218c8","type":"comment","z":"7be9f0.3236861","name":"Get Sensor Data","info":"","x":100,"y":40,"wires":[]},{"id":"77bdd76b.233968","type":"comment","z":"7be9f0.3236861","name":"Interpret Sensor Data","info":"https://run.mocky.io/v3/b4b2d93d-896c-4d37-b019-5228a61e2338\n\n\nhttps://run.mocky.io/v3/a70af699-0e98-4fe0-9142-7e4c0618f3fb\n\n\nhttps://run.mocky.io/v3/3bb9ba80-d57a-4200-a80b-72d37021e190","x":340,"y":40,"wires":[]},{"id":"f9709898.ec2d88","type":"comment","z":"7be9f0.3236861","name":"Send to InfluxDB 2.0","info":"","x":650,"y":40,"wires":[]},{"id":"5d6185a7.fbb88c","type":"function","z":"7be9f0.3236861","name":"Split Topic","func":"// Authored by Martin Hannah & Michael Thompson\n// Last updated by Michael Thompson on 19/2/21\n// split the topic into two parts\nvar parts = msg.topic.split('/');\nvar topic = '';\nvar base = '';\nvar n = 0;\nfor (var i of parts) {\n if (n > 1) \n topic = topic + i ;\n if (i !== parts.length[i]) \n topic = topic + '/';\n n++;\n}\nbase = parts[0] + '/' + parts[1] + '/' ;\nmsg.path = base;\nmsg.topic = topic.substring(2,topic.length - 1);\n\nconst invalidDG = [\"SensorGroup\", \"true\", \"String\", \"undefined\"];\n// Update Device-Group Pairs\nconst DevInfo = flow.get(\"DevInfo\") || {};\nif (msg.topic.indexOf('SensorGroup') != -1 && !(invalidDG.includes(msg.payload))) \n DevInfo[base] = {\"measurement\" : msg.payload,\n \n \"prefix\": \"cyper/ESP12S\",\n \"number\" : parseInt(base.substring(13,16),10)};\n\nflow.set(\"DevInfo\", DevInfo);\n\nreturn msg;","outputs":1,"noerr":0,"x":350,"y":80,"wires":[["68b37599.dbc1fc","3809f4bd.3a135c","26ccae22.9ecb62"]]},{"id":"68b37599.dbc1fc","type":"function","z":"7be9f0.3236861","name":"Update Topic Flow Variable ","func":"// Authored by Michael Thompson on 30/12/2020\n// Last updated by Michael Thompson on 19/2/2021\n\n// Updates flow array containing all topics\n// May or may not be necessary // \n/\*\nconst topicArray = flow.get(\"topicArray\") || [];\nif ((topicArray.includes(msg.topic))===false)\n topicArray.push(msg.topic);\nflow.set(\"topicArray\", topicArray); \*/\n\n// Find group that matches the device, or if none is found it is ungrouped\nDevInfo = flow.get(\"DevInfo\");\ndevice = msg.path;\n\ngroup = DevInfo[device];\n\nvar topic = msg.topic;\n\n//var value = msg.payload\n\n// Updates flow variable containing devices\nconst devices = flow.get(\"devices\") || [];\nif (!(devices.includes(device)) && group !== undefined)\n devices.push(device);\nflow.set(\"devices\", devices);\n\n// Updates flow variable containing topics within current device\nconst deviceArray = flow.get(device+\"Array\") || [];//flow.get(device+\"Array\") ||\nif (!(deviceArray.includes(topic)) && !topic.includes(\"$\") && group !== undefined)\n deviceArray.push(topic);\nflow.set(device+\"Array\",deviceArray);\nmsg.array = deviceArray;\n\n// Updates flow variable containing datatypes for each topic\nconst typeDict = flow.get(\"typeDict\") || {};\nif (topic.includes(\"$datatype\"))\n // Assigns datatype to dict entry of topic name (ie without \"/$datatype\" suffix)\n typeDict[topic.substring(0, topic.indexOf(\"/$datatype\"))] = msg.payload;\nflow.set(\"typeDict\", typeDict);\n\n\n// Updates flow variable containing units for each topic\nconst unitDict = flow.get(\"unitDict\") || {};\nif (topic.includes(\"$unit\"))\n // Assigns datatype to dict entry of topic name (ie without \"/$datatype\" suffix)\n unitDict[topic.substring(0, topic.indexOf(\"/$unit\"))] = msg.payload;\nflow.set(\"unitDict\", unitDict);\n\n/\*\nif (topic.includes(\"proximity\")) {\n if (value === true)\n value = 1;\n if (value === false)\n value = 0;\n flow.set(device+topic,\n {\"value\":value,\n // Bool for if data is new\n //\"new\":true\n });\n \n}\n \*/\n\n// Updates flow variable for current group and topic\nif (//!(topic.includes(\"$datatype\")) && !(topic.includes(\"SensorGroup\")) && && group !== undefined\ntypeDict[topic] !== undefined ) { \n type = typeDict[topic];\n if (type == \"float\")\n value = parseFloat(msg.payload);\n else if (type == \"integer\")\n value = parseInt(msg.payload);\n else if (type == \"boolean\")\n value = Boolean(msg.payload);\n\n // Quotes added to specify string in line protocol\n else value = '\"' +String(msg.payload)+ '\"';\n\n flow.set(device+topic,\n {\"value\":value,\n // Bool for if data is new\n //\"new\":true\n });\n \n}\n\nreturn msg;","outputs":1,"noerr":0,"x":400,"y":140,"wires":[[]]},{"id":"7802c09c.2851e","type":"mqtt in","z":"7be9f0.3236861","name":"ESP","topic":"cyper/#","qos":"1","datatype":"auto","broker":"a0a384b2.b52d18","x":70,"y":80,"wires":[["5d6185a7.fbb88c"]]},{"id":"4ba124b6.d592bc","type":"comment","z":"7be9f0.3236861","name":"Diagnostic: Check for Invalid Code","info":"","x":1340,"y":180,"wires":[]},{"id":"8f0ed179.cb4a5","type":"comment","z":"7be9f0.3236861","name":"Diagnostic: Check for Invalid Code","info":"","x":1340,"y":220,"wires":[]},{"id":"d208962d.7bfa88","type":"comment","z":"7be9f0.3236861","name":"Lachlan Suggestions","info":"","x":1320,"y":120,"wires":[]},{"id":"3aaa6ed0.1d63e2","type":"change","z":"7be9f0.3236861","name":"Get Timestamp","rules":[{"t":"set","p":"timestamp","pt":"msg","to":"payload","tot":"msg"}],"action":"","property":"","from":"","to":"","reg":false,"x":1280,"y":320,"wires":[[]]},{"id":"b890a8a0.abb788","type":"comment","z":"7be9f0.3236861","name":"Get a Timestamp Change Prototype","info":"","x":1340,"y":280,"wires":[]},{"id":"b5db6670.0de6f8","type":"function","z":"7be9f0.3236861","name":"Reset DGpairs & devices","func":"flow.set(\"DGpairs\", {});\nvar devices = flow.get(\"devices\");\nfor (var device in devices)\n flow.set(device+\"Array\", [])\n\n\n\nflow.set(\"devices\",[]);\n\n//flow.set(devices[0]+\"Array\", [])\n\n\nflow.set(\"topicArray\",[])\n\nflow.set(\"typeDict\",{})\n\nflow.set(\"unitDict\",{})","outputs":1,"noerr":0,"x":330,"y":460,"wires":[[]]},{"id":"3980306a.5e702","type":"inject","z":"7be9f0.3236861","name":"","topic":"","payload":"","payloadType":"date","repeat":"","crontab":"","once":false,"onceDelay":0.1,"x":100,"y":460,"wires":[["b5db6670.0de6f8","a181f794.a55438"]]},{"id":"a104865b.1e2868","type":"comment","z":"7be9f0.3236861","name":"Diagnostics","info":"","x":110,"y":400,"wires":[]},{"id":"9bd21c6.7e3bde","type":"function","z":"7be9f0.3236861","name":"Send New Device Data","func":"// Authored by Michael Thompson on 29/12/2020\n// Last updated by Michael Thompson on 5/1/2021\nvar device = msg.payload;\nmsg.device = device;\nvar DevInfo = flow.get(\"DevInfo\");\n\n\n// Array of Sensor Values\ndeviceArr = flow.get(device+\"Array\");\n\n// InfluxDB measurement set to group name as defined by loop over groups array\nmeasurement = DevInfo[device][\"measurement\"];\nmsg.measurement = measurement;\n\n// For each sensor value, if the value is not set to \"undefined\" and contains new data, it is updated\n// in the JSON object\nvar send = false;\n\n// 11/2/21 Lachlan: Prototype ( +\" \"+Date.now()/1000 )\n// Code sourced from \n// https://www.toptal.com/software/definitive-guide-to-datetime-manipulation Punit Jajodia\nconst currentDate = new Date();\nconst timestamp = currentDate.getTime();\n\ndata = \"\";\n//data += \"\\n\"+group+\",host=\"+device+\" \"+\"mcu/execlog\"+\"=\"+flow.get(device+\"mcu/execlog\")[\"value\"]+\" \"+timestamp;\nfor (var topic of deviceArr) \n if (flow.get(device+topic) !== undefined) { // && !isNaN(flow.get(device+topic)[\"value\"]) && flow.get(device+topic)[\"new\"] === true\n data += \"\\n\"+measurement+\",host=\"+device+\",device=\"+device+\",unit=\"+flow.get(\"unitDict\")[topic];\n for (var tag in DevInfo[device])\n if (tag != measurement)\n data +=\",\"+tag+\"=\"+DevInfo[device][tag];\n \n data += \" \"+topic+\"=\"+flow.get(device+topic).value+\" \"+timestamp;\n flow.set(device+topic,undefined);//{\"value\":flow.get(device+topic)[\"value\"],\"new\":false});\n //send = true;\n }\nflow.set(device+\"Array\",[]);\n// String of most up-to-date sensor values seperated by new lines returned\nmsg.payload = data;\n\nif (msg.payload !== \"\")\n return msg;","outputs":1,"noerr":0,"x":670,"y":220,"wires":[["bb100e8f.a06d7","ac34131a.bfbfb","83580d76.c4c2","2e704203.0a27ae"]]},{"id":"26ccae22.9ecb62","type":"function","z":"7be9f0.3236861","name":"Set Topic to Datatype or Unit","func":"if (flow.get(\"typeDict\")[msg.topic] === undefined) {\n msg.topic = msg.path + msg.topic + \"/$datatype\";\n return msg; }\nelse if (flow.get(\"unitDict\")[msg.topic] === undefined) {\n msg.topic = msg.path + msg.topic + \"/$unit\";\n return msg; }\nreturn undefined;","outputs":1,"noerr":0,"x":140,"y":140,"wires":[["a09593d5.a978b","53983b57.866be4"]]},{"id":"3809f4bd.3a135c","type":"function","z":"7be9f0.3236861","name":"Set reboots","func":"var topic = msg.topic;\n\n if (topic.includes(\"mcu/startingup\") && !topic.includes(\"$\") && msg.payload == \"1\") {\n var varname = msg.path + \"reboots\";\n flow.set(varname, {\"value\":1, \"uptime\": msg.payload});\n \n // Updates flow variable containing topics within current device\n const deviceArray = flow.get(msg.path+\"Array\") || [];\n if (!(deviceArray.includes(\"reboots\")))\n deviceArray.push(\"reboots\");\n flow.set(msg.path+\"Array\",deviceArray);\n \n return msg;\n}\n \n\n\n\n\n\n\n\n\n\n","outputs":1,"noerr":0,"x":410,"y":280,"wires":[[]]},{"id":"a181f794.a55438","type":"function","z":"7be9f0.3236861","name":"Hardcode Datatypes & Units","func":"var typeDict = flow.get(\"typeDict\");\n\n// Add hardcoded datatypes here\ntypeDict[\"mcu/execlog\"] = \"String\";\n\nflow.set(\"typeDict\", typeDict);\n\n\nvar unitDict = flow.get(\"unitDict\");\n\nunitDict[\"environment/heatindex\"] = \"°C\";\n\nflow.set(\"unitDict\", unitDict);\nreturn msg;","outputs":1,"noerr":0,"x":340,"y":500,"wires":[[]]},{"id":"a09593d5.a978b","type":"digitaloak-mqtt-in","z":"7be9f0.3236861","name":"$datatype / $unit","qos":"2","datatype":"auto","unsubscribe-after-first-msg-recv":true,"broker":"a0a384b2.b52d18","x":130,"y":200,"wires":[["5d6185a7.fbb88c"]]},{"id":"bb100e8f.a06d7","type":"array-loop","z":"7be9f0.3236861","name":"Loop over Devices","key":"index","keyType":"msg","reset":false,"resetValue":"value-null","array":"devices","arrayType":"flow","x":650,"y":140,"wires":[[],["9bd21c6.7e3bde"]]},{"id":"b549f52d.321438","type":"http request","z":"7be9f0.3236861","name":"","method":"use","ret":"txt","paytoqs":true,"url":"","tls":"","proxy":"","authType":"","x":950,"y":120,"wires":[["94480f72.c30b7"]]},{"id":"94480f72.c30b7","type":"debug","z":"7be9f0.3236861","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"full","x":970,"y":160,"wires":[]},{"id":"ac34131a.bfbfb","type":"function","z":"7be9f0.3236861","name":"API Setup (QNAP00)","func":"// Last updated by Lachlan Magrath on 4/2/2021\n\ntoken = \"-UMw1yWWMEO47Ist\_ABSEq\_p8KBEnZD48T8\_mcVUoBVKt3oFpPmtyq3dzy7Q83SfWGCSrJUtN2mv0Lla5jPRAw==\";\naddress = \"http://10.0.0.211:19086/api/v2/write\";\norganisation = \"cypernex\";\nbucket = \"hi-res-24h\";\nprecision = \"ms\";\n\nmsg.headers = {};\nmsg.method = \"POST\";\nmsg.url = address+\"?org=\"+organisation+\"&bucket=\"+bucket+\"&precision=\"+precision;\nmsg.headers = {\"Authorization\" : \"Token \" + token}\n\n// 4/3/21. Suggested addition of timestamp. Remove timestamp field.\n// delete msg.timestamp;\n//msg.payload = \"cyper/ESP12S008/,host=host1 mcu/taskschedule05/period=60\";\n//msg.payload = \"testhead,host=host1 meat\_percent=64.43234543 1556896326\";\n\nif (msg.measurement === undefined) return;\n\nif (msg.payload != [])\n return msg;\n\nreturn;","outputs":1,"noerr":0,"x":920,"y":80,"wires":[["b549f52d.321438"]]},{"id":"83580d76.c4c2","type":"debug","z":"7be9f0.3236861","name":"Debug InfluxDB","active":false,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","targetType":"msg","x":940,"y":200,"wires":[]},{"id":"2e704203.0a27ae","type":"function","z":"7be9f0.3236861","name":"API Setup (QNAP00)","func":"// Last updated by Lachlan Magrath on 4/2/2021\n\ntoken = \"fENYSkgt5TS9Q0mQsSolV88OvwWKFoFGmdqKF4F2Bl0yVAABplhv7PJvQTNpuDIb8ZcfHCP1gitDBB8QOJcR4A==\"; \naddress = \"http://10.0.0.211:18086/api/v2/write\";\norganisation = \"cypernex\";\nbucket = \"hi-res-24h\";\nprecision = \"ms\";\n\nmsg.headers = {};\nmsg.method = \"POST\";\nmsg.url = address+\"?org=\"+organisation+\"&bucket=\"+bucket+\"&precision=\"+precision;\nmsg.headers = {\"Authorization\" : \"Token \" + token}\n\n// 4/3/21. Suggested addition of timestamp. Remove timestamp field.\n// delete msg.timestamp;\n//msg.payload = \"cyper/ESP12S008/,host=host1 mcu/taskschedule05/period=60\";\n//msg.payload = \"testhead,host=host1 meat\_percent=64.43234543 1556896326\";\n\nif (msg.measurement === undefined) return;\n\nif (msg.payload != [])\n return msg;\n\nreturn;","outputs":1,"noerr":0,"x":920,"y":240,"wires":[["7d2eada0.9039e4"]]},{"id":"7d2eada0.9039e4","type":"http request","z":"7be9f0.3236861","name":"","method":"use","ret":"txt","paytoqs":true,"url":"","tls":"","proxy":"","authType":"","x":950,"y":280,"wires":[["1a696893.54f397"]]},{"id":"1a696893.54f397","type":"debug","z":"7be9f0.3236861","name":"","active":false,"tosidebar":true,"console":false,"tostatus":false,"complete":"true","targetType":"full","x":970,"y":320,"wires":[]},{"id":"53983b57.866be4","type":"debug","z":"7be9f0.3236861","name":"","active":false,"tosidebar":true,"console":false,"tostatus":false,"complete":"false","x":360,"y":220,"wires":[]},{"id":"90db300b.260bc","type":"ui\_button","z":"7be9f0.3236861","name":"","group":"267826ed.c3cffa","order":11,"width":2,"height":1,"passthru":true,"label":"24 H","tooltip":"","color":"","bgcolor":"","icon":"","payload":"24","payloadType":"num","topic":"","x":90,"y":1360,"wires":[["1d3cd21e.c86e3e"]]},{"id":"d23c3341.9b162","type":"ui\_button","z":"7be9f0.3236861","name":"","group":"267826ed.c3cffa","order":10,"width":2,"height":1,"passthru":false,"label":"12 H","tooltip":"","color":"","bgcolor":"","icon":"","payload":"12","payloadType":"num","topic":"","x":90,"y":1400,"wires":[["1d3cd21e.c86e3e"]]},{"id":"c1f23d06.684bd","type":"ui\_button","z":"7be9f0.3236861","name":"","group":"267826ed.c3cffa","order":9,"width":2,"height":1,"passthru":false,"label":"1 H","tooltip":"","color":"","bgcolor":"","icon":"","payload":"1","payloadType":"num","topic":"","x":90,"y":1320,"wires":[["1d3cd21e.c86e3e"]]},{"id":"1d3cd21e.c86e3e","type":"function","z":"7be9f0.3236861","name":"SetTimeRange","func":"var p\_30d = 1000\*60\*60\*24\*30 ; //30 Days\nvar p\_7d = 1000\*60\*60\*24\*7 ; //7 Days\nvar p\_1d = 1000\*60\*60\*24 ; // 1 Day\nvar p\_hr = 1000\*60\*60; //1 Hour\n\nvar d = new Date();\nvar current = d.getTime();\n\n\nmsg.fromdate = \"now-\" + msg.payload +\"h\";\nmsg.enddate = \"now\";\n\n\nreturn msg;","outputs":1,"noerr":0,"x":320,"y":1360,"wires":[[]]},{"id":"7b6a4f4f.ce321","type":"function","z":"7be9f0.3236861","name":"SetTimeYesterday","func":"var p\_30d = 1000\*60\*60\*24\*30 ; //30 Days\nvar p\_7d = 1000\*60\*60\*24\*7 ; //7 Days\nvar p\_1d = 1000\*60\*60\*24 ; // 1 Day\nvar p\_hr = 1000\*60\*60; //1 Hour\n\nvar d = new Date();\nvar current = d.getTime();\nvar today0h = d.setHours(0,0,0,0); //Timestamp midnight\n\nmsg.fromdate = today0h - p\_1d\nmsg.enddate = today0h\nreturn msg;","outputs":1,"noerr":0,"x":310,"y":1400,"wires":[[]]},{"id":"99aa2600.5f6d08","type":"ui\_button","z":"7be9f0.3236861","name":"","group":"267826ed.c3cffa","order":12,"width":2,"height":1,"passthru":false,"label":"Yesterday","tooltip":"","color":"","bgcolor":"","icon":"","payload":"yesterday","payloadType":"str","topic":"","x":80,"y":1440,"wires":[["7b6a4f4f.ce321"]]},{"id":"4a83e751.3d7558","type":"ui\_template","z":"7be9f0.3236861","group":"267826ed.c3cffa","name":"Page Got Loaded","order":8,"width":0,"height":0,"format":"<script>\n(function() {\n (function(scope) {\n scope.send({payload: \"preload\"}); // this gets sent when the view is opened in the browser\n })(scope);\n})();\n</script>","storeOutMessages":false,"fwdInMessages":false,"resendOnRefresh":false,"templateScope":"local","x":590,"y":500,"wires":[["67790d0e.1438b4"]]},{"id":"d645c2da.d35e4","type":"ui\_template","z":"7be9f0.3236861","group":"267826ed.c3cffa","name":"Grafana","order":7,"width":0,"height":0,"format":"<html>\n<iframe id=\"myFrame\" width=\"1500px\" height=\"1000px\" style = \"overflow:hidden; margin:auto; border:0px solid green;\"></iframe>\n\n<script>\n//NOTE, more then one chart on a page, rename in the second and following \n//templates the \"myframe\" variable so that every template has a unique name.\n(function(scope) {\n // watch msg object from Node-RED\n scope.$watch('msg', function(msg) {\n // new message received\n var x = document.getElementById('myFrame');\n x.setAttribute('src', msg.payload); \n });\n})(scope);\n</script>\n</html>","storeOutMessages":true,"fwdInMessages":true,"resendOnRefresh":false,"templateScope":"local","x":960,"y":500,"wires":[[]]},{"id":"67790d0e.1438b4","type":"function","z":"7be9f0.3236861","name":"BuildTemplate","func":"//NOTE, more then one chart on a page, rename in the second and following \n//templates the \"myframe\" variable so that every template has a unique name.\n\npanelid=2\n\nmsg.payload= \"http://10.0.0.211:19300/d/fVXCsfUGz/admin-dash?orgId=1\"+\n\"&refresh=5s\"+\n//\"&theme=dark\"+\n//\"&from=\"+ msg.fromdate +\n//\"&to=\"+ msg.enddate +\n\"&panelId=\"+panelid\n\nreturn msg;\n\n","outputs":1,"noerr":0,"x":800,"y":500,"wires":[["d645c2da.d35e4"]]},{"id":"697e244.d1c2cdc","type":"function","z":"7be9f0.3236861","name":"SetTimeTodaySofar","func":"msg.fromdate = \"now/d\";\nmsg.enddate = \"now\";\nreturn msg;","outputs":1,"noerr":0,"x":310,"y":1480,"wires":[[]]},{"id":"2f6c1780.c627c8","type":"ui\_button","z":"7be9f0.3236861","name":"","group":"267826ed.c3cffa","order":13,"width":2,"height":1,"passthru":false,"label":"Today","tooltip":"","color":"","bgcolor":"","icon":"","payload":"yesterday","payloadType":"str","topic":"","x":90,"y":1480,"wires":[["697e244.d1c2cdc"]]},{"id":"6211179.e6ed6e8","type":"inject","z":"7be9f0.3236861","name":"","topic":"","payload":"","payloadType":"date","repeat":"1","crontab":"","once":false,"onceDelay":0.1,"x":110,"y":540,"wires":[["f4826c7.d00839"]]},{"id":"f4826c7.d00839","type":"function","z":"7be9f0.3236861","name":"Hardcode heatindex unit","func":"var unitDict = flow.get(\"unitDict\");\n\nunitDict[\"environment/heatindex\"] = \"°C\";\n\nflow.set(\"unitDict\", unitDict);\nreturn msg;","outputs":1,"noerr":0,"x":330,"y":540,"wires":[[]]},{"id":"a0a384b2.b52d18","type":"mqtt-broker","z":"","name":"Homeassistant","broker":"10.0.0.228","port":"1883","clientid":"NodeRed\_DEV","usetls":false,"compatmode":true,"keepalive":"60","cleansession":true,"birthTopic":"","birthQos":"0","birthPayload":"","closeTopic":"","closePayload":"","willTopic":"","willQos":"0","willPayload":""},{"id":"267826ed.c3cffa","type":"ui\_group","z":"","name":"Admin","tab":"142ede1d.be3742","order":1,"disp":true,"width":"30","collapse":false},{"id":"142ede1d.be3742","type":"ui\_tab","z":"","name":"GrafanaTest","icon":"dashboard","order":37}]