

# Installation and configuration of ZigbeetoMqtt on Windows 11

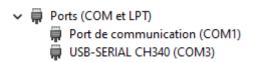
In first time, you must have an Zigbee Usb Adaptater compatible.

https://www.zigbee2mqtt.io/guide/adapters/

For me i use a Zigbee 3.0 USB adapter based on Silicon Labs EFR32MG21 with EZSP v8 from Aliexpress, which run fine.



When you plug it you must find the good COM number.



For me COM3...

# **Download & Install Node.js**

Node.js is a library specialized in network and written in javascript.

You must download the last version here and execute: <a href="https://nodejs.org/en">https://nodejs.org/en</a>

## **Download & install zigbee2mqtt**

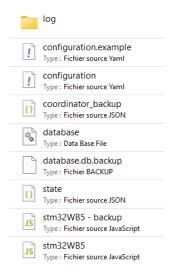
This link is a good guide for installing.

https://www.zigbee2mqtt.io/guide/installation/05 windows.html

in my configuration the location of the zigbee2mqtt is here:

c:\Users\<name user>\documents\zigbee2mqtt

in this directory you must configure data\configuration.yaml



### You must modify your configuration.yaml:

```
homeassistant: false
frontend: {}
mqtt:
server: mqtt://myserver.com:1883
 base_topic: zigbee2mqtt
user: myuser
 password: mypassword
force_disable_retain: false
serial:
adapter: ezsp
port: \\.\COM3
advanced:
 network_key:
 - 217
 - 145
  - 238
 - 190
 - 25
 - 53
 - 239
 - 2
 - 252
 - 99
 - 160
 - 200
 - 244
 - 205
 - 243
 - 38
 pan_id: 23633
 log_level: debug
 log_syslog:
  app_name: Zigbee2MQTT
  eol: /n
  host: localhost
  localhost: localhost
```

```
path: /dev/log
  pid: process.pid
  port: 514
  protocol: udp4
  type: '5424'
 channel: 15
 homeassistant_legacy_entity_attributes: false
 legacy_api: false
 legacy_availability_payload: false
 cache_state: false
 output: attribute
external_converters:
 - stm32WB5.js
device options:
 legacy: false
availability:
 active:
  # Time after which an active device will be marked as offline in
  # minutes (default = 10 minutes)
 timeout: 5
 passive:
  # Time after which a passive device will be marked as offline in
  # minutes (default = 1500 minutes aka 25 hours)
  timeout: 1500
devices:
 # fix here address of your own card
 '0x0080e125006efe86':
  friendly_name: STM32WB5MM-DK
  availability:
 #every minute
   timeout: 1
passlist:
 # fix here address of your own card
 - '0x0080e125006efe86'
```

In the mqtt part you specify the address of your server, the main topic to use, the username for this topic and the password. You can configure if necessary the certificates used for security.

In advanced: section you must add

```
channel: 15
homeassistant_legacy_entity_attributes: false
legacy_api: false
legacy_availability_payload: false
cache_state: false
output: attribute
```

Channel is the channel that zigbeetomqtt will listen to in my example, channel 15.

cache\_state= false is very important, this prevents zigbee2mqtt from transmitting the olds values of the attributes each time with the one you are querying.

Output: attribute – generate one topic by attribute read.

```
external_converters:
    - stm32WB5.js
```

The stm32WB5.js file must be added in this same directory to reference the stm32wb5mm-dk card.

This configuration file will tell zigbee2mqtt:

**fzL:** List of attribute converters from the Zigbee network.

tzL: List of converters allowing you to transmit an attribute to a cluster id and attribute id or to query.

fz and tz: references the attributes of the standard.

e: Provision of attributes and display mode in the zigbee2mqtt interface.

My copy of this file is joined to this project.

Zigbee2mqtt have an web interface: zigbee-frontend. In the distribution this interface is compiled, but here it is necessary to add some attributes informations.

In file zigbee2mqtt/node\_modules/zigbee-hersman/dist/zcl/definition/cluster.js

You must modify Cluster and add some attributes to Cluster 1026:

In file zigbee2mgtt/node modules/zigbee-herdsman-converters/lib/expose.js

You must modify and add

```
msTemperatureMeasurement: {
       ID: 1026,
       attributes: {
              measuredValue: { ID: 0, type: dataType 1.default.int16 },
              minMeasuredValue: { ID: 1, type: dataType_1.default.int16 },
              maxMeasuredValue: { ID: 2, type: dataType_l.default.intl6 },
              tolerance: { ID: 3, type: dataType_1.default.uint16 },
               minPercentChange: { ID: 16, type: dataType_1.default.unknown },
               minAbsoluteChange: { ID: 17, type: dataType_l.default.unknown
              BatteryVoltage: { ID: 0x0101, type: dataType_1.default.uint16 };
              DelayRefreshMeas: { ID: 0x0102, type: dataType 1.default.uint16 },
              Luminosity: { ID: 0x0300, type: dataType 1.default.uint16 },
              Pressure: { ID: 0x0301, type: dataType_1.default.uint16 },
Humidity: { ID: 0x0302, type: dataType_1.default.uint16 },
               TemperatureEnv: { ID: 0x0303, type: dataType 1.default.int16 },
               AirQuality: { ID: 0x0304, type: dataType 1.default.uint8 },
                                      { ID: 0x0305, type: dataType_l.default.uint16 },
                                      { ID: 0x0306, type: dataType 1.default.uint16 },
               R1: { ID: 0x0307, type: dataType_1.default.uint32 },
                           { ID: 0x0308, type: dataType_1.default.uint32 },
                             { ID: 0x0309, type: dataType_1.default.uint32 },
                             { ID: 0x030A, type: dataType_1.default.uint32 },
               WhiteLuminosity: { ID: 0x030B, type: dataType_1.default.uint16 },
               TankLevel: { ID: 0x030C, type: dataType_1.default.uint8 },
               PlantTemperaturel: { ID: 0x0310, type: dataType_1.default.int16 },
              PlantMACDS1: { ID: 0x0311, type: dataType_1.default.uint64 }, PlantSoilMoisture1: { ID: 0x0312, type: dataType_1.default.uint8 },
               PlantWaterAlimentation1: { ID: 0x0313, type: dataType_1.default.uint16 },
               PlantWaterAlimentationStatel: { ID: 0x0314, type: dataType 1.default.uint8 },
               PlantTemperature2: { ID: 0x0320, type: dataType_1.default.int16 },
               PlantMACDS2:
                                                            { ID: 0x0321, type: dataType 1.default.uint64 },
               PlantSoilMoisture2: { ID: 0x0322, type: dataType_1.default.uint8 },
               PlantWaterAlimentation2: { ID: 0x0323, type: dataType 1.default.uint16 },
               PlantWaterAlimentationState2: { ID: 0x0324, type: dataType_1.default.uint8 },
               PlantTemperature3: { ID: 0x0330, type: dataType_1.default.int16 },
              PlantMACDS3: { ID: 0x0331, type: dataType_1.default.uint64 }, PlantSoilMoisture3: { ID: 0x0332, type: dataType_1.default.uint8 },
              PlantWaterAlimentation3: { ID: 0x0333, type: dataType 1.default.uint16 },
              PlantWaterAlimentationState3: { ID: 0x0334, type: dataType_1.default.uint8 },
              PlantLight: { ID: 0x0340, type: dataType_1.default.uint8 },
               sprutTemperatureOffset: { ID: 0x6600, type: dataType_1.default.intl6, manufacturerCode: manufacturerCo
```

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2 files are joins in the project.

## database and state Files of Zigbee2mqtt

In the file database you can find all entry of devices joined with Zigbee2mqtt.

If you want to make a new join procedure for a device, you must delete the correspondant line in this file.

```
{"id":1,"type":"Coordinator","ieeeAddr":"0xf4b3b1fffe45ceaf","nwkAddr":0,"manufId":0,"epList":[1,242],"endpoir
{"id":2,"type":"Router","ieeeAddr":"0x0080e125006efe86","nwkAddr":28282,"manufId":4311,"manufName":"STMicroeld
{"id":3,"type":"EndDevice","ieeeAddr":"0xa4c138f3fedcb468","nwkAddr":25061,"manufId":4098,"manufName":"_TZ3000
```

And restart zigbee2mqtt and make a new join.

In the file stat, you can find in JSON format, the last value of exposed attributes for all devices.

```
"0x0080e125006efe86": {
    "temperature": 24.87,
   "BatteryVoltage": 4.142,
   "TemperatureEnv": 20.93,
    "linkquality": 216,
    "Luminosity": 0,
    "PlantTemperaturel": 17.87,
    "Pressure": 994,
    "Co2": 417,
    "Tvoc": 31,
    "R1": 564816,
    "R2": 1,
    "R3": 1658138,
    "R4": 56621,
    "PlantMACDS1": "0x286cfc56b5013ca6",
    "PlantSoilMoisturel": 0,
    "PlantWaterAlimentation1": 0,
    "Humidity": 51,
    "WhiteLuminosity": 269,
    "AirQuality": 1,
    "PlantLight": 0,
    "PlantWaterAlimentation2": 0,
    "PlantWaterAlimentation3": 0,
    "PlantWaterAlimentationStatel": 0,
    "PlantMACDS2": "0x28da1956b5013clb",
    "PlantTemperature2": 20.93,
    "PlantSoilMoisture2": 82.95,
    "PlantWaterAlimentationState2": 0,
    "PlantTemperature3": 18,
    "PlantMACDS3": "0x28e90156b5013ced",
    "PlantSoilMoisture3": 0,
    "PlantWaterAlimentationState3": 0,
    "DelayRefreshMeas": 20
},
```

## **Modify Zigbee-frontend**

Zigbee2mqtt originally has a frontend interface, this interface is configured with standard Clusters and attributes. But if you wish to display and manage additional attributes in the drop-down menus, I will show you a procedure for updating the Front-end, which is compiled in the base distribution.

You must download the github zigbee2mqtt-frontend and compile the dist directory which will have to be placed in the zigbee2mqtt frontend plug-in.

Download the GitHub.

https://github.com/nurikk/zigbee2mqtt-frontend

you must update with the two precedents files.

- zigbee2mqtt-frontend/node\_modules/zigbee-hersman/dist/zcl/definition/cluster.js
- zigbee2mqtt-frontend/node\_modules/zigbee-herdsman-converters/lib/expose.js

In command mode, you compile with **npm run build** in zigbee2mqtt-frontend directory.

You must copy the complete directory **zigbee2mqtt-frontend/dist** to the directory to **zigbee2mqtt/node\_modules/zigbee2mqtt-frontend/dist** 

Now for starting, zigbeetomqtt write:

**npm start** in cmd mode from install directory.

When Zigbee2mqtt start, it try to contact the usb device and open the network. (Use CTRL + C for stopping or close the window).

```
igbee2MQTT:debug 2024-02-13 11:10:48: Loaded state from file C:\Users\mag\Documents\zigbee2mqtt\data\state.json
                     2024-02-13 11:10:48: Logging to console and directory: 'C:\Users\mag\Documents\zigbee2mqtt\data\log\20
24-02-13.11-10-48' filename: log.txt
 Zigbee2MQTT:debug 2024-02-13 11:10:48: Removing old log directory 'C:\Users\mag\Documents\zigbee2mqtt\data\log\2024-01-3
Zigbee2MQTT:info 2024-02-13 11:10:48: Starting Zigbee2MQTT version 1.33.2 (commit #unknown)
 Zigbee2MQTT:info 2024-02-13 11:10:48: Starting zigbee-herdsman (0.21.0)
                      2024-02-13 11:10:48: Using zigbee-herdsman with settings: '{"adapter":{"concurrent":null,"delay":null,
"disableLED":false},"backupPath":"C:\\Users\\mag\\Documents\\zigbee2mqtt\\data\\coordinator_backup.json","databaseBackup
Path": "C:\\Users\\mag\\Documents\\zigbee2mqtt\\data\\database.db.backup", "databasePath": "C:\\Users\\mag\\Documents\\zigbee2mqtt\\data\\database.db.backup", "databasePath": "C:\\Users\\mag\\Documents\\zigbee2mqtt\\data\\database.db", "network": {"channelList": [15], "extendedPanID": [221, 221, 221, 221, 221, 221, 221], "networkKey": "HIDDEN", "panID": 23633}, "serialPort": {"adapter": "ezsp", "path": "\\\.\\COM3"}}'
 Zigbee2MQTT:info 2024-02-13 11:10:50: zigbee-herdsman started (resumed)
Zigbee2MQTT:info 2024-02-13 11:10:50: Coordinator firmware version: '{"meta":{"maintrel":"3 ","majorrel":"6","minorrel"
 :"10","product":8,"revision":"6.10.3.0 build 297"},"type":"EZSP v8"}
 :igbee2MQTT:debug 2024-02-13 11:10:50: Zigbee network parameters: {"channel":15,"extendedPanID":221,"panID":23633}
 igbee2MQTT:info 2024-02-13 11:10:50: Currently 2 devices are joined:
 tigbee2MOTT:info 2024-02-13 11:10:50: STM32WB5MM-DK (0x0080e125006efe86): STM32WB - STMicroelectronics Plantation feedi
ng management - PFM - Elektor Project Contest 2024 (Router)
   gbee2MQTT:info 2024-02-13 11:10:50: 0xa4c138f3fedcb468 (0xa4c138f3fedcb468): ERS-10TZBVB-AA - TuYa Smart button (EndD
 Zigbee2MQTT:info 2024-02-13 11:10:50: Zigbee: disabling joining new devices.
 Zigbee2MQTT:info 2024-02-13 11:10:51: Connecting to MQTT server at mqtt://vps1.sophe.com:1883
Zigbee2MQTT:debug 2024-02-13 11:10:51: Using MQTT login with username: dev
 Zigbee2MQTT:info 2024-02-13 11:10:51: Connected to MQTT server
 Zigbee2MQTT:info 2024-02-13 11:10:51: MQTT publish: topic 'zigbee2mqtt/bridge/state', payload '{"state":"online"}'
Zigbee2MQTT:info 2024-02-13 11:10:51: Started frontend on port 0.0.0.0:8080
                      2024-02-13 11:10:51: Started frontend on port 0.0.0.0:8080
 igbee2MQTT:info 2024-02-13 11:10:51: Zigbee2MQTT started!
```

Now you can have access to web gui interface of zigbee2mqtt on:

### http://localhost:8080

when you want to make a new clean join for endpoint, you must erase the correspondant line in database.



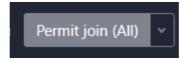
For forcing the card stm32wb5mm-dk to join the coordinator, you must press the button one (at left) and power on. You count 3 seconds and release the button.

### A screen appears:

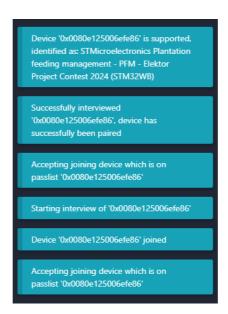


And the box try to rejoin the coordinator every 500ms.

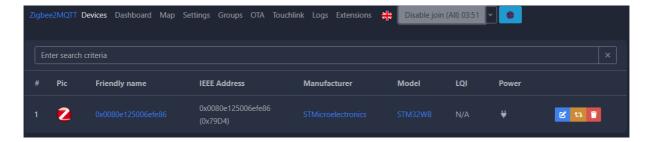
You can click on Permi Join



### Join events

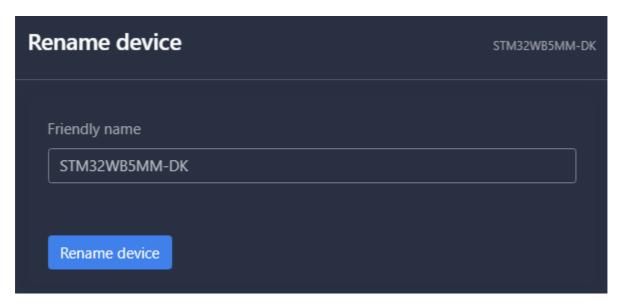


## New device added



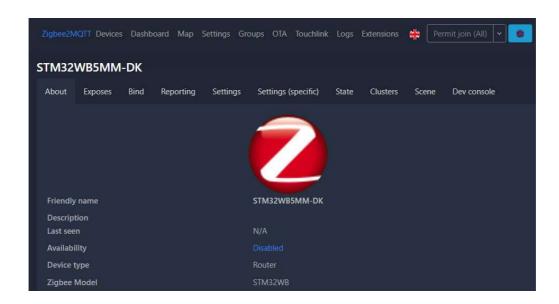
You can rename the device for fix the Topic path of mqtt:





### Click on new device name in list:



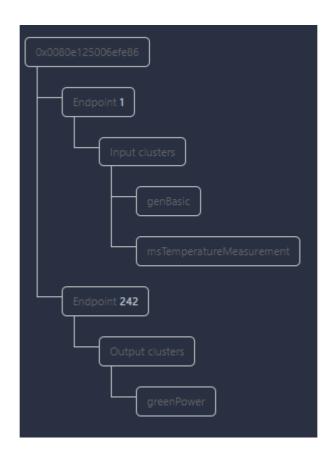


# **Exposes Menu: View the list of attributes and last values**

STM32WB5MN	1-DK				CO2 The measured CO2 (carbon dioxide) value	3	<b>417</b> ppm
About Exposes	Bind	Reporting	Settings	Set		2	31 ppb
Temperature Measured temperature v	alue		<b>24.91</b> *0	Ĭ	Total Volatile Organic Compounds value  R1  Resistance 1 value	2	564816 ohms
TemperatureEnv Environment Temperatur	2	8	20.93 *	Ċ	R2 Resistance 2 value	2	1 ohms
BatteryVoltage Measured Voltage of Bat	ery		4.142 v	0	R3 Resistance 3 value	2	1658138 ohms
DelayRefreshMeas State of Minimum Tank In	vel	2	<b>20</b> Sec.		R4 Resistance 4 value	e	<b>56621</b> ohms
Humidity  Measured relative humid		2	47 %		PlantTemperature1 Temperature Plant 1	2	17.87 ℃
<b>Luminosity</b> Global luminosity		2	0		MAC MAC Address of DS18820 Plant 1	2	0x286cfc56b5013ca6
WhiteLuminosity Global White luminosity		2	269		PlantSoilMoisture1 Measured soil moisture Plant 1	8	0 %
Pressure The measured atmosphe	ic pressure	a	1004 hP	a	PlantWaterAlimentation1 Time of Water Quantity to delivery value Plant 1	2	<b>0</b> ms
AirQuality Air quality index		2	1		PlantWaterAlimentationState1 Current State of Water Alimentation Plant 1	2	0

PlantTemperature2 Temperature Plant 2	C	<b>20.93</b> °C
MAC MAC Address of DS18820 Plant 2	2	0x28da1956b5013c1b
PlantSoilMoisture2 Measured soil moisture Plant 2	2	82.95 %
PlantWaterAlimentation2 Time of Water Quantity to delivery value Plant 2	2	0 ms
PlantWaterAlimentationState2 Current State of Water Alimentation Plant 2	2	
PlantTemperature3 Temperature Plant 3	2	<b>18</b> ℃
MAC MAC Address of DS18820 Plant 3	2	0x28e90156b5013ced
PlantSoilMoisture3 Measured soil moisture Plant 3	2	0 %
PlantWaterAlimentation3 Time of Quantity to delivery value Plant 3	2	0 ms
PlantWaterAlimentationState3 Current State of Water Alimentation Plant 3	2	
PlantLight State of Plant light	2	
<b>Linkquality</b> Link quality (signal strength)		<b>216</b> lqi

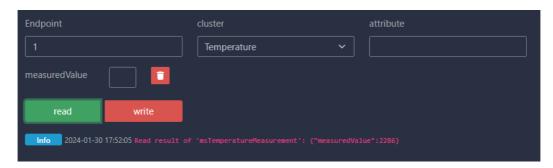
# **Clusters Menu**



## **Dev ConsoleMenu**

In this console you can read or write value of attributes

For example: Read attribute Endpoint: 1 Cluster: Temperature attribute: Measured Value



If you click on Read



The answer in console windows:

```
Zigbee2MQTT:debug 2024-02-13 11:33:45: Received MQTT message on 'zigbee2mqtt/STM32WB5MM-DK/1/set' with data '{"read":{"a ttributes":["measuredValue"],"cluster":"msTemperatureMeasurement","options":{}}}'
Zigbee2MQTT:debug 2024-02-13 11:33:45: Publishing 'set' 'read' to 'STM32WB5MM-DK'
Zigbee2MQTT:debug 2024-02-13 11:33:45: Received Zigbee message from 'STM32WB5MM-DK', type 'readResponse', cluster 'msTem peratureMeasurement', data '{"measuredValue":2457}' from endpoint 1 with groupID 0
Zigbee2MQTT:info 2024-02-13 11:33:45: Read result of 'msTemperatureMeasurement': {"measuredValue":2457}
Zigbee2MQTT:info 2024-02-13 11:33:45: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '24.57'
Zigbee2MQTT:info 2024-02-13 11:33:45: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/linkquality', payload '212'
```

You can observe that:

- A mqtt request has sent to the MQTT Topic: zigbee2mqtt/STM32WB5MM-DK/1/set
- with JSON payload :

{"read":{"attributes":["measuredValue"],"cluster":"msTemperatureMeasurement","options":{}}}

- Zigbee2mqtt transform in: Publishing 'set' 'read' to 'STM32WB5MM-DK'
- Zigbee2mqtt receive:

Received Zigbee message from 'STM32WB5MM-DK', type 'readResponse', cluster 'msTemperatureMeasurement', data '{"measuredValue":2457}' from endpoint 1 with groupID 0

Zigbee2mqtt send 2 topics for Mqtt server :

MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '24.57' MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/linkquality', payload '212'

## You can Read multiples attributes:

Endpoint		cluster				
1		Temperature				
measuredValue						
Pressure						
Humidity						
read	write					
Info 2024-02-13 11:43:52 Read result of 'msTemperatureMeasurement': {"measuredValue":2496, "Pressure":9940, "Humidity":5100}						

1 read of 3 attributes generate 4 topics, one by attribute and linkquality attribute.

```
Zigbee2MQTT:debug 2024-02-13 11:43:52: Received MQTT message on 'zigbee2mqtt/STM32WB5MM-DK/1/set' with data '{"read":{"a ttributes":["measuredValue", "Pressure", "Humidity"], "cluster":"msTemperatureMeasurement", "options":{}}\
Zigbee2MQTT:debug 2024-02-13 11:43:52: Publishing 'set' 'read' to 'STM32WB5MM-DK'
Zigbee2MQTT:debug 2024-02-13 11:43:52: Received Zigbee message from 'STM32WB5MM-DK', type 'readResponse', cluster 'msTem peratureMeasurement', data '{"Humidity":5100,"Pressure":9940, "measuredValue":2496}' from endpoint 1 with groupID 0
Zigbee2MQTT:info 2024-02-13 11:43:52: Read result of 'msTemperatureMeasurement': {"measuredValue":2496,"Pressure":9940, "Humidity":5100}
Zigbee2MQTT:info 2024-02-13 11:43:52: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '24.96'
Zigbee2MQTT:info 2024-02-13 11:43:52: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/Humidity', payload '51'
Zigbee2MQTT:info 2024-02-13 11:43:52: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/Pressure', payload '994'
Zigbee2MQTT:info 2024-02-13 11:43:52: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/Linkquality', payload '224'
```

## Writing attributes

In this example, i write 20 in DelayRefreshMeas, this attribute fix the delay in seconds between measures.

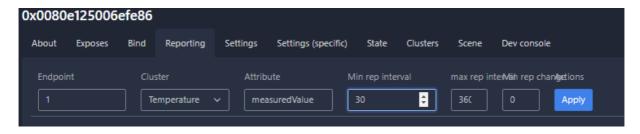


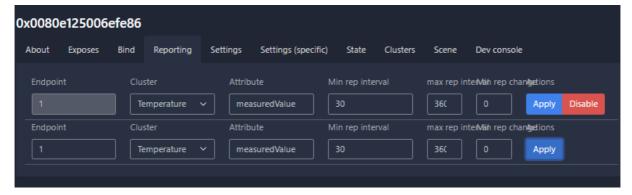
Zigbee2MQTT:debug 2024-02-13 11:46:53: Received MQTT message on 'zigbee2mqtt/STM32WB5MM-DK/1/set' with data '{"write":{"
cluster":"msTemperatureMeasurement","options":{},"payload":{"DelayRefreshMeas":20}}}'
Zigbee2MQTT:debug 2024-02-13 11:46:53: Publishing 'set' 'write' to 'STM32WB5MM-DK'
Zigbee2MQTT:info 2024-02-13 11:46:53: Wrote '{"DelayRefreshMeas":20}' to 'msTemperatureMeasurement'

You can observe that:

- A mqtt request has sent to the MQTT Topic: zigbee2mqtt/STM32WB5MM-DK/1/set
- with JSON payload:
   {"write":{"cluster":"msTemperatureMeasurement","options":{},"payload":{"DelayRefreshMeas":20}}}
- Zigbee2mqtt transform in: Publishing 'set' 'write' to 'STM32WB5MM-DK'
- Zigbee2mqtt send to ZigBee network :
   Wrote '{"DelayRefreshMeas":20}' to 'msTemperatureMeasurement'

# **Test reporting**





#### After apply

- A mqtt request has sent to the MQTT Topic:
   zigbee2mqtt/bridge/request/device/configure\_reporting
- with JSON payload :

{"attribute":"measuredValue","cluster":"msTemperatureMeasurement","id":"STM32WB5MM-DK/1","maximum\_report\_interval":3600,"minimum\_report\_interval":60,"reportable\_change":0, "transaction":"okbmi-8"}'

### In response

- A mqtt request has sent to the MQTT Topic:
   zigbee2mqtt/bridge/request/device/configure\_reporting
- with JSON payload :

'{"data":{"attribute":"measuredValue","cluster":"msTemperatureMeasurement","id":"STM32WB5MM-DK/1","maximum\_report\_interval":3600,"minimum\_report\_interval":60,"reportable\_change":0},"status": "ok","transaction":"okbmi-8"}'

It is the same payload sent but "status" added with "ok" or "error".

### Report every 30s

```
Zigbee2MQTT:debug 2024-02-13 12:03:04: Received Zigbee message from 'STM32WB5MM-DK', type 'attributeReport', cluster 'ms TemperatureMeasurement', data '{"65534":1,"measuredValue":2528}' from endpoint 1 with groupID 0 Zigbee2MQTT:info 2024-02-13 12:03:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '25.28' Zigbee2MQTT:info 2024-02-13 12:03:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/tinkquality', payload '216' Zigbee2MQTT:debug 2024-02-13 12:04:04: Received Zigbee message from 'STM32WB5MM-DK', type 'attributeReport', cluster 'ms TemperatureMeasurement', data '{"65534":1,"measuredValue":2530}' from endpoint 1 with groupID 0 Zigbee2MQTT:info 2024-02-13 12:04:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '25.3' Zigbee2MQTT:info 2024-02-13 12:04:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/linkquality', payload '216' Zigbee2MQTT:debug 2024-02-13 12:05:04: Received Zigbee message from 'STM32WB5MM-DK/temperature', cluster 'ms TemperatureMeasurement', data '{"65534":1,"measuredValue":2530}' from endpoint 1 with groupID 0 Zigbee2MQTT:info 2024-02-13 12:05:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '25.3' Zigbee2MQTT:info 2024-02-13 12:05:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/temperature', payload '25.3' Zigbee2MQTT:info 2024-02-13 12:05:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/linkquality', payload '25.3' Zigbee2MQTT:info 2024-02-13 12:05:04: MQTT publish: topic 'zigbee2mqtt/STM32WB5MM-DK/linkquality', payload '25.3'
```

# **CONCLUSION**

It is very easy now to interact with the Zigbee Device using Mqtt Request.

The stm32wb55 processor is a good solution which correctly manages the Zigbee standard.

The next part is now to configure and use Node-RED application for automation, data storage and visualisation of informations.