# **# Endpoint to create or update things data using HTTPS**

host = "api.wisethingz.com";

https Port = 443;

Refer to the HTTPS code posted in github for details:

<https://github.com/iambappa/IoT_tutorial-wishTree/blob/master/wifi-temp-hum-rand-status-GPS-ESP32.ino>

**Request:**

Request would be in parameter of an URL. For simplicity, It is kept as GET call even if it is changing state of resource on HTTP

|  |  |  |  |
| --- | --- | --- | --- |
| **Input Parameter Name** | **Datatype** | **Required** | **Purpose** |
| thingname | String | Yes | You thing, you may name it the way you want |
| <sensor\_name> | String | Yes | You can have multiple sensor <name, value> pair |
| Ctime<collection time> | String | Optional | Collection time <YYYY-MM-DDTHH:MM:SS> |

Request Sample:

<https://api.wisethingz.com/Dev/thingsapi?thingname=mything&humidity=35>

<https://api.wisethingz.com/Dev/thingsapi?thingname=mything&humidity=35&ctime=2020-02-16T08:28:33>

Response JSON Sample:

{"content": {"humidity": "33"}, "thing-name": "mythings", "ptime": "2020-02-16T08:29:10", "ctime": "2020-02-16T08:28:33"}

***ptime*** in above response is time when server has process this request.

# # Endpoint to get a thing data

<https://api.wisethingz.com/Dev/thingsapi?thingname=mythings>

# # Endpoint to get a thing data (historical) by key and count

<https://api.wisethingz.com/Dev/thingsapi?thingname=mythings&count=3>

***count = 4*** will fetch last 4 records. This count is restricted to have max value 20. This helps in plotting time-series charts.

# **# Endpoint to create or update things data using MQTT**

mqtt\_server = "52.3.175.124";

port = 1883;

server credentials: "arun", "arun@home"

e.g. client.connect("arduinoClient", "arun", "arun@home")

topic = "thingtopic"

Refer to the MQTT code posted in github for details:

<https://github.com/iambappa/IoT_tutorial-wishTree/blob/master/mqtt-to-WTportal.ino>

# # Message format:

{"thingname":"firstthing", "temperature": "36"}

You can add any number of parameters with “,”

# PS: No keys have been used as of now. You are free to post.

* It is under beta test. All necessary precautions have been taken. But no guarantee of data being saved.
* Others can view your data if they have your device name, as no key is implemented.