



## # 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 a sample code at below path (runs on ESP32):

[https://github.com/iambappa/IoT\\_tutorial-wishTree/blob/master/wifi-temp-hum-rand-status-GPS-ESP32.ino](https://github.com/iambappa/IoT_tutorial-wishTree/blob/master/wifi-temp-hum-rand-status-GPS-ESP32.ino)

### HTTPS 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 of digits	Yes	Call/mail/whatsapp us for a whitelisted thingname tag.
<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=xxxxxxxxx&humidity=35>

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

Response JSON Sample:

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

**Wrong/unlisted thingname will respond:** {"message": "Device is not registered"}

**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=xxxxxxxxx>

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

<https://api.wisethingz.com/Dev/thingsapi?thingname=xxxxxxxxx&count=4>

**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](https://github.com/iambappa/IoT_tutorial-wishTree/blob/master/mqtt-to-WTportal.ino)

## # Message format:

```
{"thingname":"xxxxxxxx", "temperature": "36"}
```

Get a whitelisted unique device tag from us

You can add any number of parameters with “,”

NB: No keys have been used as of now.

- Others can view your data if they have your device name, as no key is implemented.
- For free accounts no guarantee of historical records availability

WishTree board user guide videos in YouTube:

[https://youtube.com/playlist?list=PLfdON1698Nm8Qdm5IZ33CS5q\\_EZMWkiN0](https://youtube.com/playlist?list=PLfdON1698Nm8Qdm5IZ33CS5q_EZMWkiN0)



Mail: [info@wisethingz.com](mailto:info@wisethingz.com)

Call/whatsapp: 9339818158