

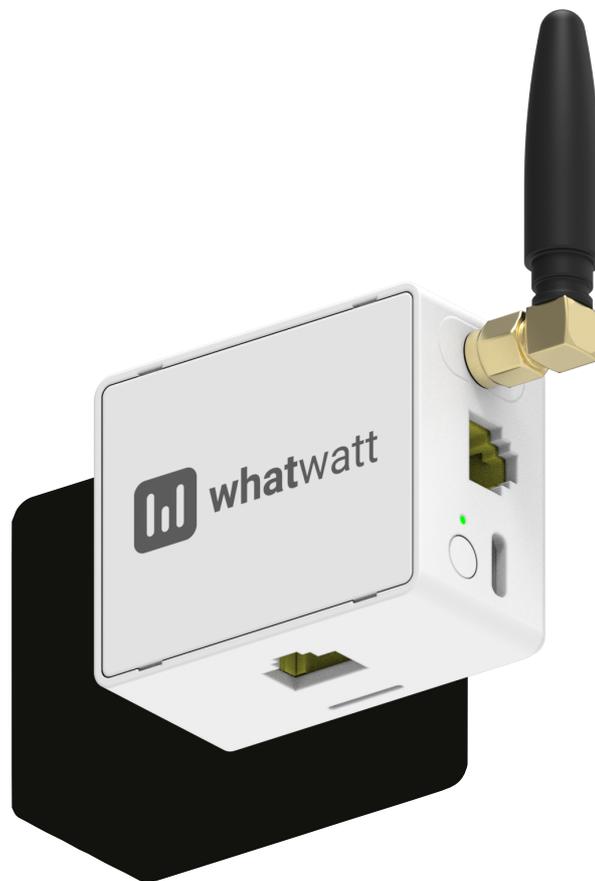
HOW-TO

Integration

Cloud2Cloud

Important Note

Cloud2Cloud integration requires a license.
Please visit www.whatwatt.ch/pricing for more information.



Version 1.0

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Version	Date	Author	Changes
1.0	26.06.2025	TS	Initial Version

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1. Introduction

This document describes how to integrate with whatwatt Cloud to collect real time telemetry data from whatwatt Go devices connected to the smart meters.

Telemetry data is available on whatwatt Cloud's MQTT service. MQTT protocol is efficient, reliable and secure and is considered as an industry standard for IoT messaging. To integrate with whatwatt Cloud it is only required to connect to whatwatt MQTT service and to subscribe to a topic where the whatwatt Go device is publishing telemetry data with a defined frequency and format.

Important note

Cloud2Cloud integration requires a license. Please visit www.whatwatt.ch/pricing for more information.

2. Setup on whatwatt

To setup your integration on whatwatt please use contact form on www.whatwatt.ch/contact and give us the following details to whatwatt:

- **Email address** you want to use in whatwatt to manage your integration. whatwatt will create an account for this email and will send to this email a message with an activation link allowing you to set a password for your account and to activate it.
- **Name** of your integration. Only lowercase English letters are allowed (a-z). The name has to be at least 6 characters long.
- **Template** of telemetry data. Templates for the MQTT integrations are described in the "whatwatt Go REST/MQTT" document available on whatwatt.ch/docs.
- **Frequency** of data publishing. The default is 30 seconds. This is also the minimum value.

3. Add whatwatt Go devices to Integration

Use whatwatt mobile iOS/Android application to add whatwatt Go devices to your integration. Please only remember to login with the email you have specified for your integration.

Once the whatwatt Go device is connected to the smart meter and to the Internet it starts to publish telemetry data.

4. Integration with whatwatt MQTT Service

After your whatwatt account is created you will receive an email from whatwatt with the following details required to connect to the MQTT Service and to subscribe for receiving telemetry data:

- **URI** of whatwatt MQTT service
- **Public certificate** of whatwatt MQTT server. It allows the MQTT client on your side to make sure it connects to the whatwatt server.
- **Username** and **password** required to authorize (basic auth) on whatwatt MQTT Service. Username will be: `whatwatt.integration.client.nameofyourintegration`.
- **Topic** to subscribe to in order to start receiving telemetry data from your whatwatt Go devices. Usually it will be: `ext/nameofyourintegration/#`

Notes

- When connecting to the MQTT server you need to specify a Client ID. You have to use the username as the Client ID. If you want to establish multiple MQTT connections then additionally append a sequence of several (e.g. 8) random alphanumeric characters to the "username" when specifying Client ID (e.g. `whatwatt.integration.client.nameofyourintegration:GMRnaj6n`). This is required because every connection (with the same username/password) needs a unique Client ID.
- MQTT Credentials do not expire.
- Recommended subscription QoS is 0 or 1 (whatwatt Go devices publish data with QoS=1).

- whatwatt Go devices can be identified by their MAC addresses (WIFI MAC/ID). The MAC address of whatwatt Go device is available in the published topic (e.g. ext/nameofyourintegration/ECC9FF5C7AD4) and you can also specify MAC as a field in the template (variable: sys.id).