

Introducción a MQTT

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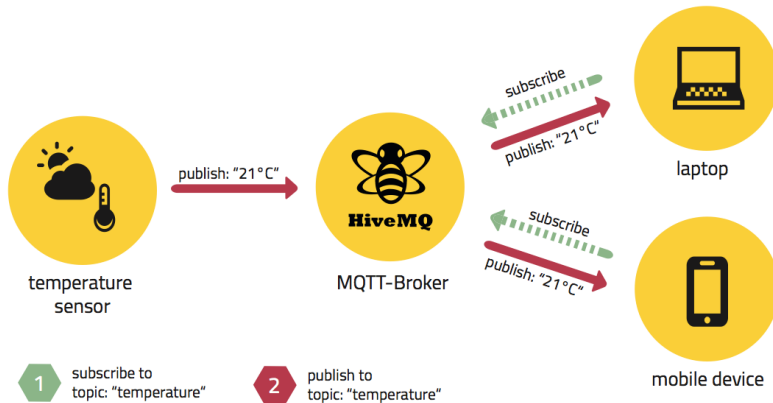


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- Message Queue Telemetry Transport
- publish-subscribe-based "lightweight" messaging protocol for use on top of the TCP/IP protocol
- "small code footprint" is required or the network bandwidth is limited

MQTT components



MQTT example

- Install MQTT Client on your smartphone



MQTT Client

Webneurons Tools

Everyone

Contains ads

This app is compatible with your device.

- Subscribe to this broker and topic:
 - ▶ Host: `iot.eclipse.org`
 - ▶ Port: `1883`
 - ▶ Topic: `/unicauca`
- Send a message to this topic with your name, ex: Juan says: hello world.

Python example

Generate a Python application that send a json message every time that the computer detects a beacon with more than

- Message structure:

```
{'BeaconMAC': '11:22:33:44:55:66', 'time': '2017/09/27, 18:45:55'}
```

- Use this example to send a message on python:

```
import paho.mqtt.publish as publish
```

```
# This is the Publisher
```

```
publish.single("/unicauca", "message", hostname="iot.eclipse.org")
```