IoT Communication - MQTT

Welcome to Day 3 of our IoT Workshop Series! Building upon the foundation laid on Day 2, where you delved into the intricacies of sensors and their protocols, today is all about application. Get ready to harness that knowledge and dive into the world of data transmission as we explore how to gather and send sensor data using MQTT.

1. MQTT in detail

2. ESP8266 and WiFi

Next, we'll take a closer look at connecting the ESP8266 to WiFi. This step is crucial for enabling wireless communication, allowing your devices to seamlessly interact with the digital world.

3. Our first MQTT Publish

Stepping ahead, you'll have the chance to implement your first MQTT publish from the ESP8266. While the following example provides a static demonstration, we encourage you to take it a step further by incorporating one of the sensors available to you.

4. Subscribe

Now, let's move on to an essential aspect of our workshop. We'll guide you through the process of subscribing to an MQTT topic. This step is a practical gateway to interactive IoT applications. You'll learn how to exchange MQTT messages between devices, potentially triggering actions like LED reactions or serial outputs. While we'll provide initial guidance, feel free to explore further and experiment with this dynamic feature.

Recording

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