

# HUB5168+應用教學

## DAY2

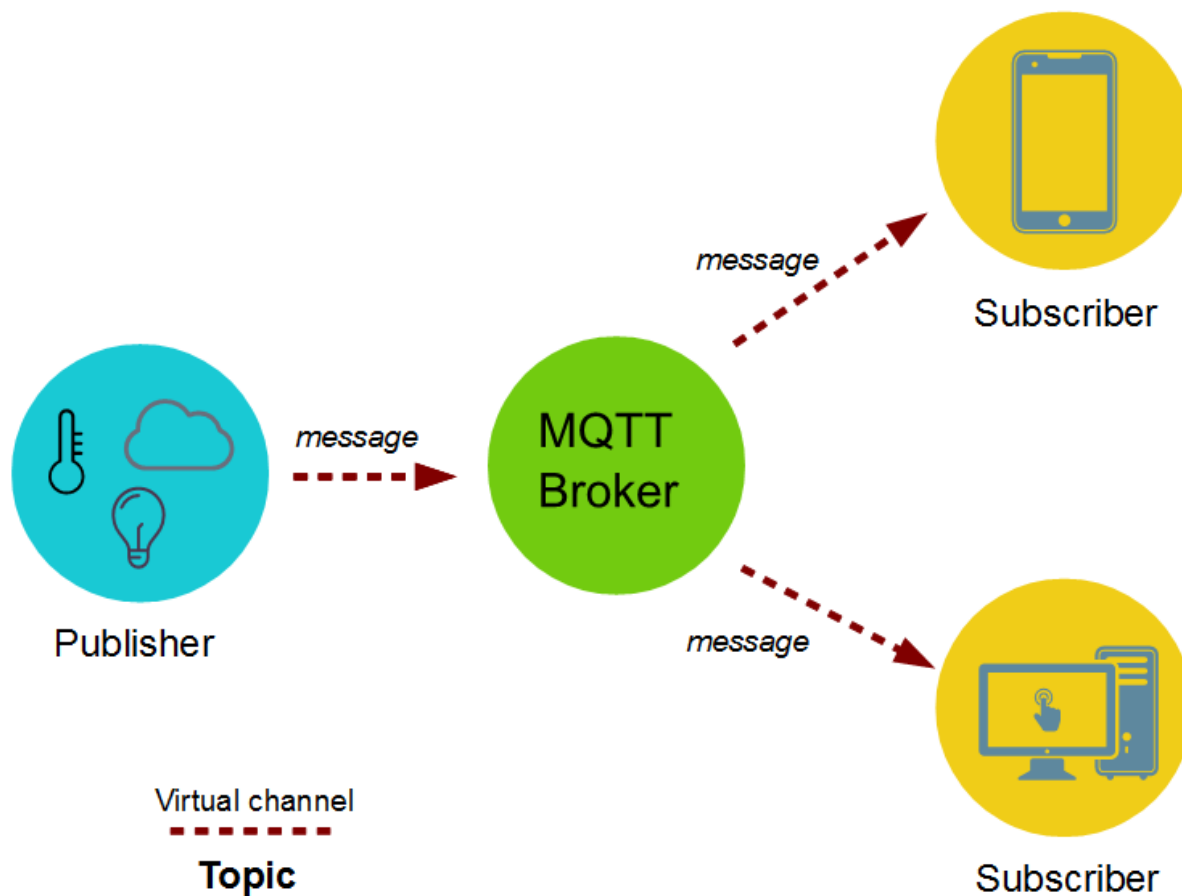
講師: 楊穎煜 (Malo)

# MQTT

## 06\_MQTT\_Basic

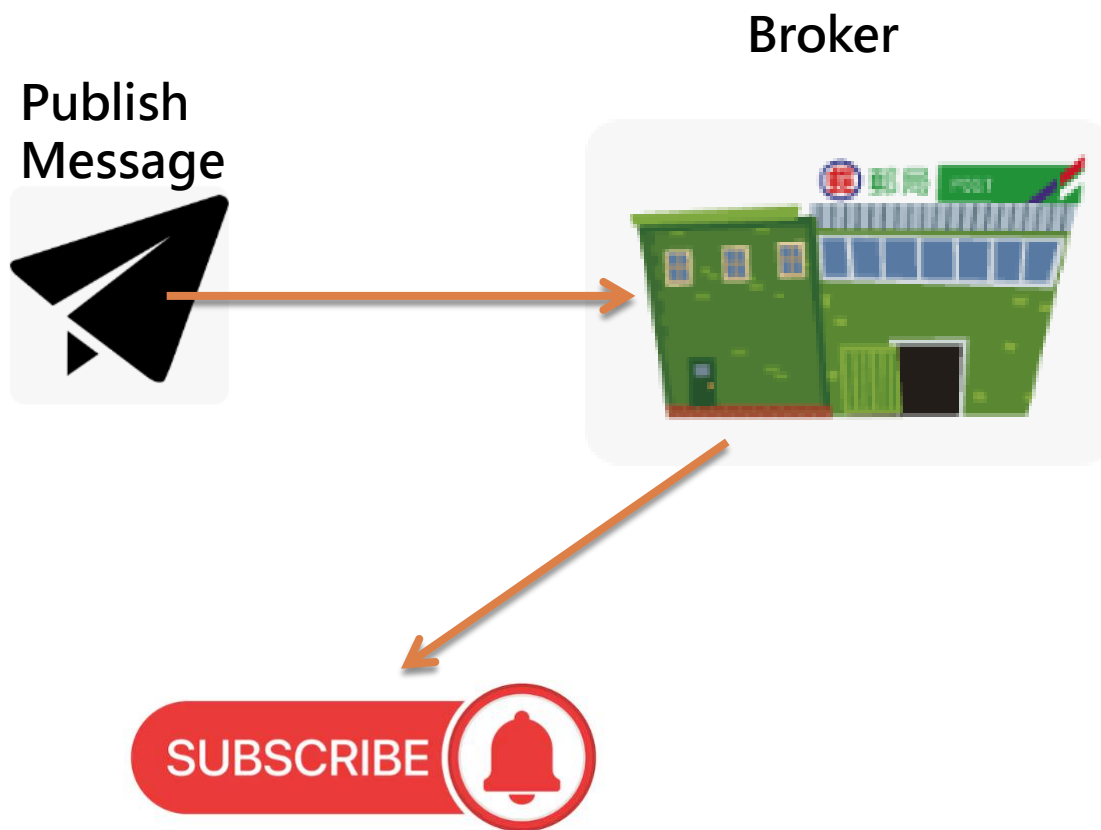
# MQTT入門

## □ 一種輕量化的物聯網協定



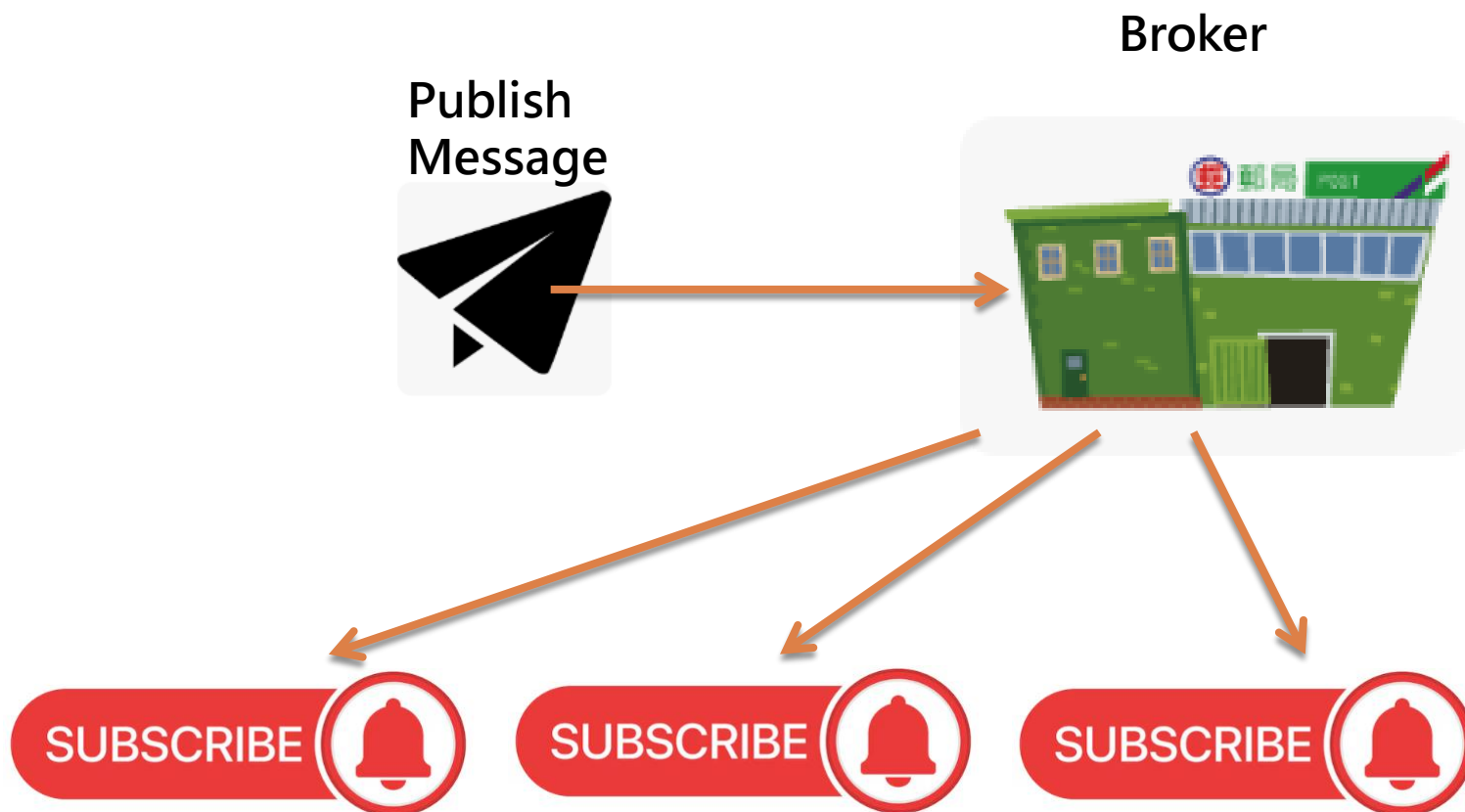
# MQTT入門

## □ 有點像郵局



# MQTT入門

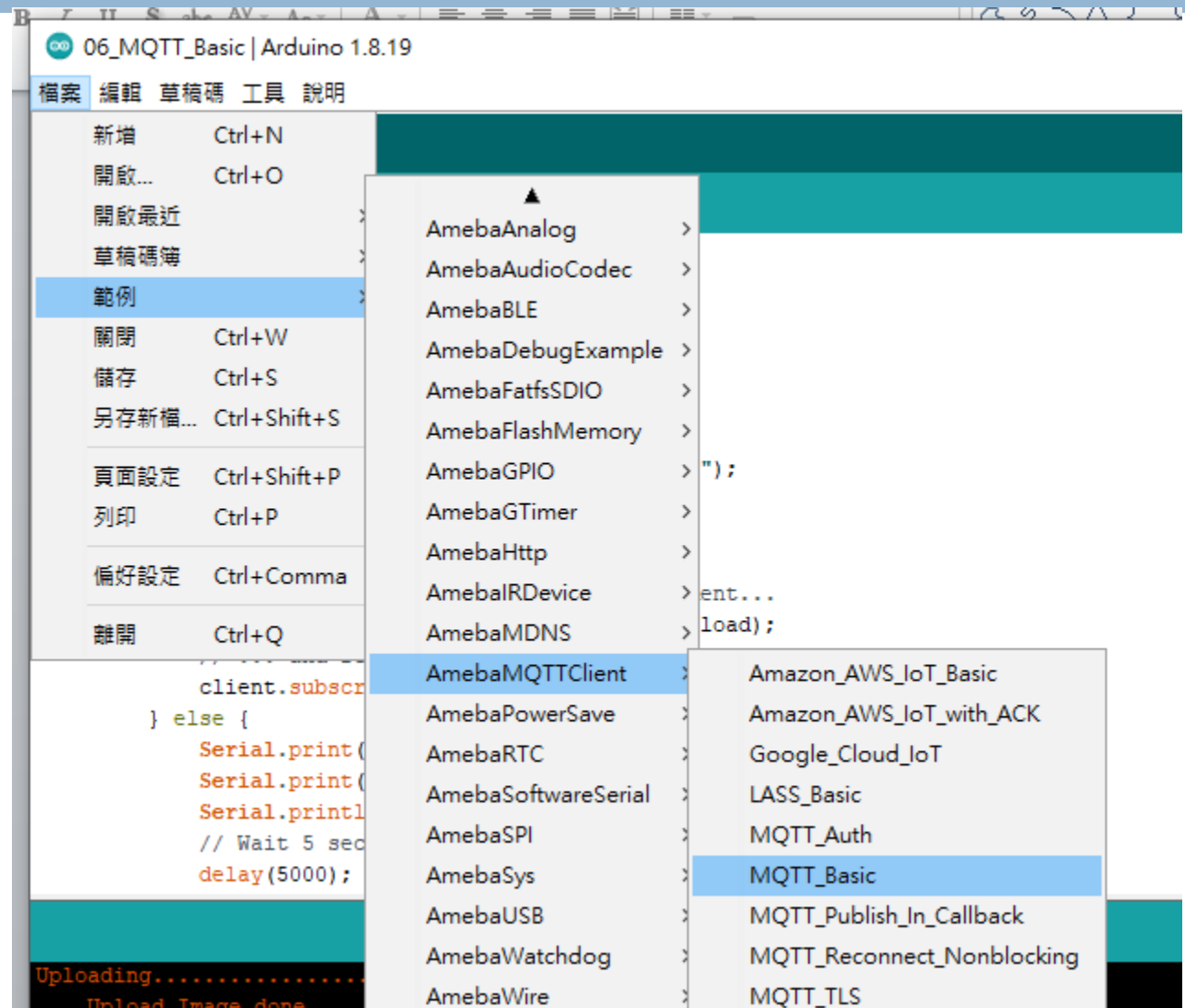
- 但因為是資訊流，同時會有很多接收者



# MQTT介紹

- NodeRED工具介紹:
  - ▣ 【NodeRED\_00\_安裝設定】
  - ▣ 【NodeRED\_01\_基礎操作及MQTT】

# MQTT基礎範例



# MQTT基礎範例

- 先來進行一個MQTT的小測試
- 修改ssid， pass， publishTopic 再進行燒錄

```
MQTT_Basic
18
19 #include <WiFi.h>
20 #include <PubSubClient.h>
21
22 // Update these with values suitable for your network.
23
24 char ssid[] = "yourNetwork";    // your network SSID (name)
25 char pass[] = "secretPassword"; // your network password
26 int status  = WL_IDLE_STATUS;   // the Wifi radio's status
27
28 char mqttServer[] = "test.mosquitto.org";
29 char clientId[]   = "amebaClient";
30 char publishTopic[] = "outTopic";
31 char publishPayload[] = "hello world";
32 char subscribeTopic[] = "inTopic";
33
34 void callback(char* topic, byte* payload, unsigned int length) {
35     Serial.print("Message arrived [");
```

broker: 可以理解成 Server  
id隨意命名，盡量不重複  
publishTopic: 要送到哪邊



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/wb16/message/from\_malo

# NodeRed

好用的儀表板Dashboard  
(見:講義Day2-2)