

Deployment in Miramare Park

Putting all pieces together!



We learned about

Sensors (PySense)

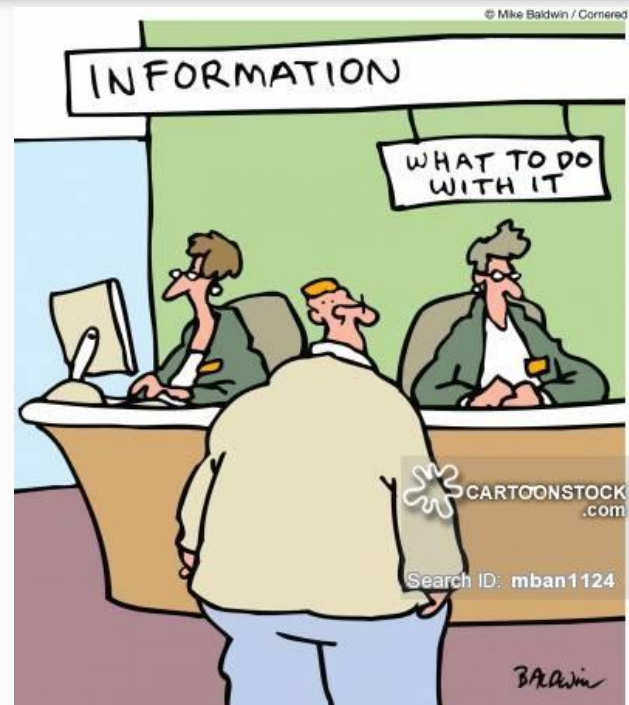
WiFi connectivity

MQTT

Jupyter Notebooks

Data Analysis

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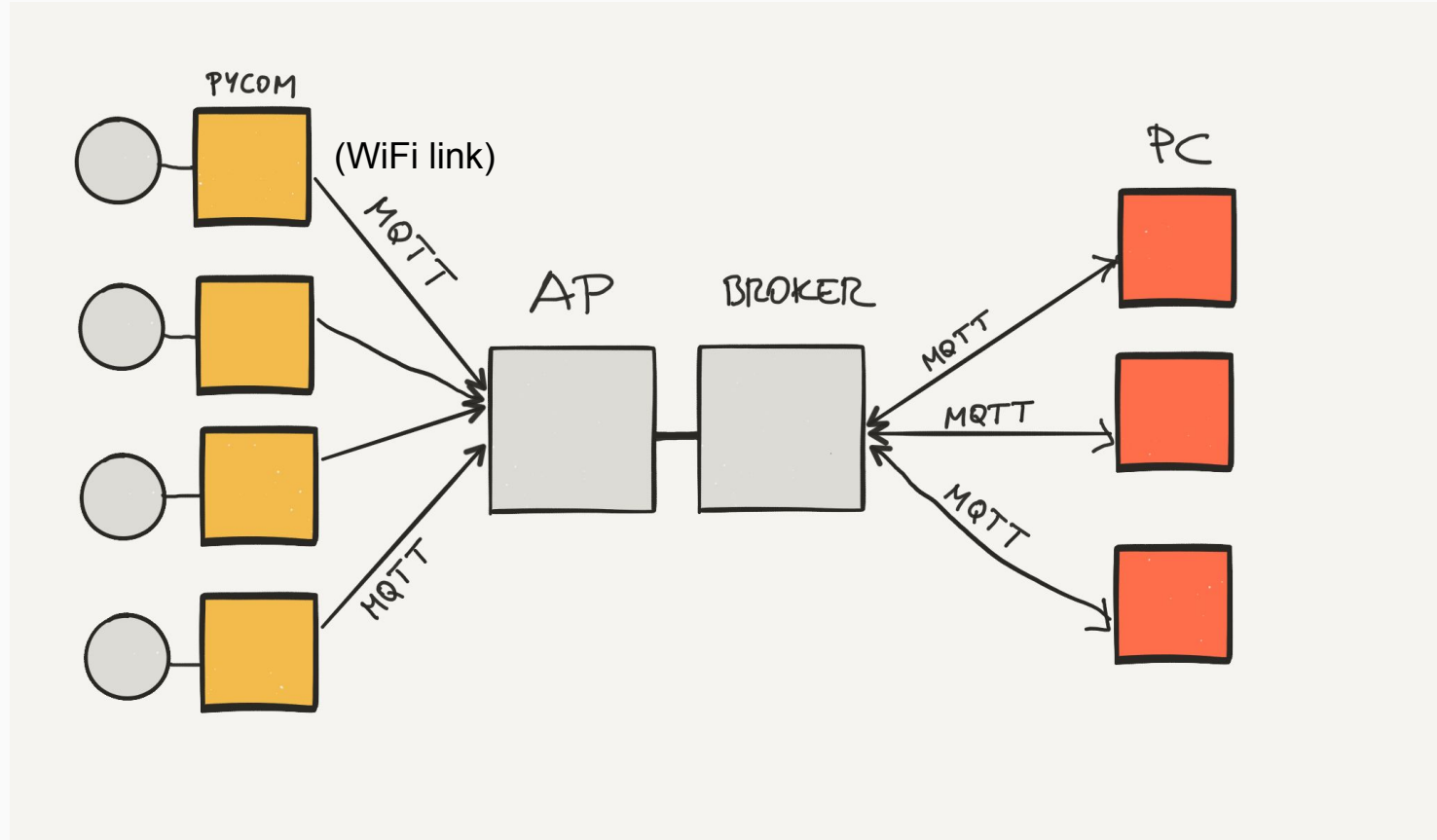
The Things Network @thethingsntwrk

21m

We are having some troubles with the NOC. It is temporarily disabled, so gateways will be offline on the console and community maps



General scheme



Steps

MQTT

1. Agree on a MQTT broker (IP address)
2. Agree on channels
3. Agree on data format

WiFi connectivity

1. Connect to WiFi
2. Find out maximum reach (LED?)
3. Can you reach Miramare Park?
4. External antenna?

Steps

Sensor

1. Read sensor data from PySense
 - a. What?
 - b. How often?
 - c. When?

Jupyter

1. Connect to MQTT
2. Read data coming from sensors
3. Visualize data (how?)

Graphs (temperature, humidity, RSSI, etc)

