Yet Another IoT Ecossystem

General System Plan

Example Nodes

Node
Room Humidty & Temperature

NodeNumber/t:data/h:data/

Node
Weather Station

NodeNumber/r:data/bp:data/w:data/wd:data/

Broadrouter
Add timestamp into data
Publish OR Save & Publish Later

Cloud Based Infrastructure

MQTT Broker

Subscribe

Interpret data (JSONish?)

Place into a DB

GRAFANA DASHBOARD

Push Alert (Future)

Side notes:

- Nodes are area and enviroment agnostic;
- In real world IoT doesn't send tons of data, so jitter while timestamping from broadrouter isn't too big (also lower costs since a nice RTC like PCF2129 or DS3231 is really expensive);
- Protocol doesn't care on what they're receiving, we care about what's the data on the end of the chain, on the Dashboard;