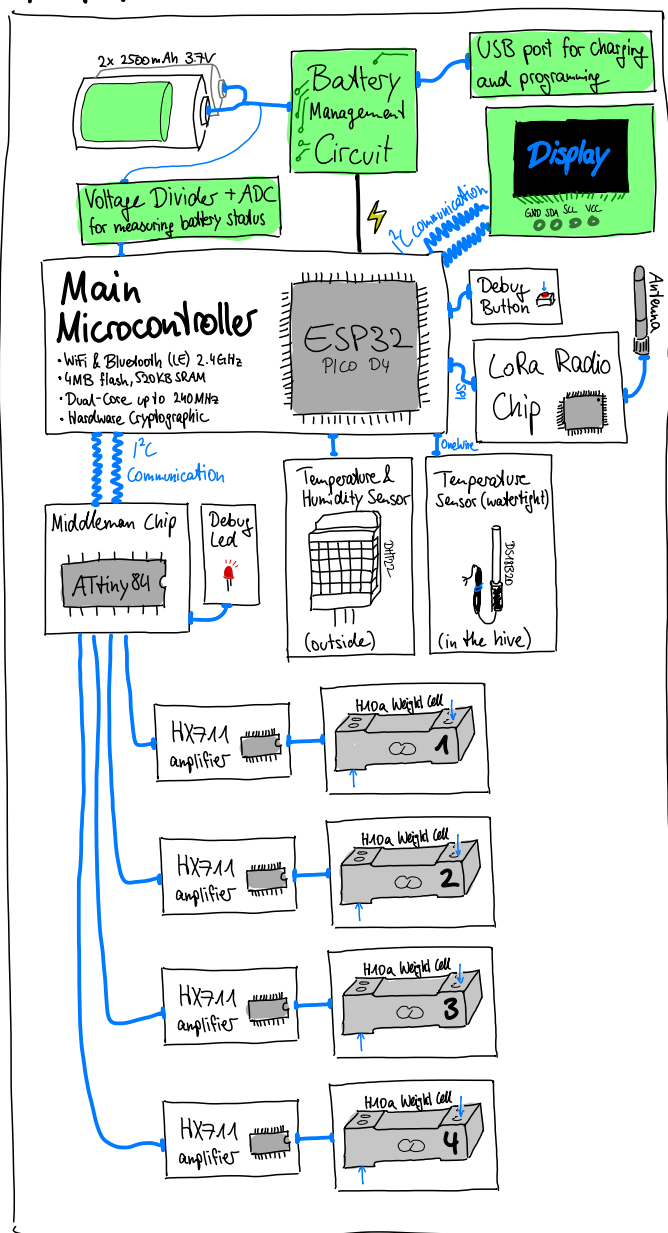


IoT Node (at the hive)

LoRa "Protocol"

LoRa/WiFi Gateway



Packet Payload

Packed

<Temp.1 in °C>,<Humi. in °C>,<Weight in g>#d1ba456cf

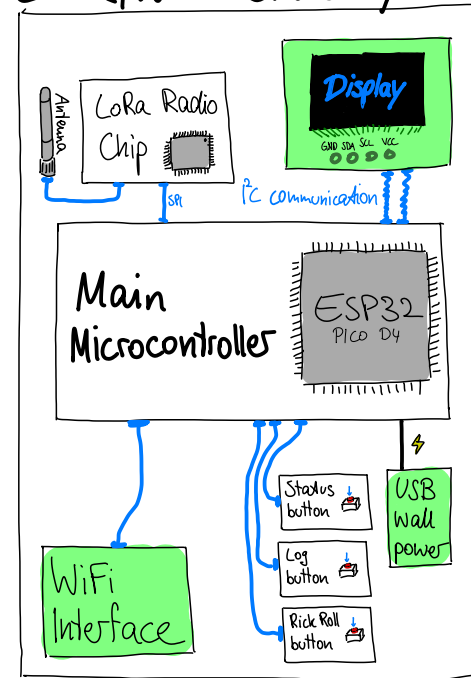
Sensor divided with comma
Actually, it includes more values:

1. Temperature outside in °C
2. Humidity outside in %
3. Temperature inside in °C
4. Approximated battery status in %
5. Weight sum (calibrated again) in kg
6. Weight of sensor 1 (calibrated in kg)
7. Weight of sensor 2 (calibrated in kg)
8. Weight of sensor 3 (calibrated in kg)
9. Weight of sensor 4 (calibrated in kg)

Packet Signature

This is just a SHA256 hash,
generated by string:

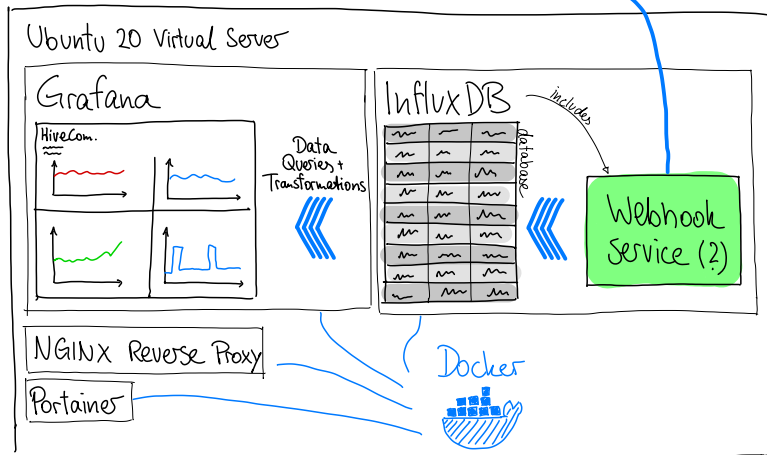
<payload><password>



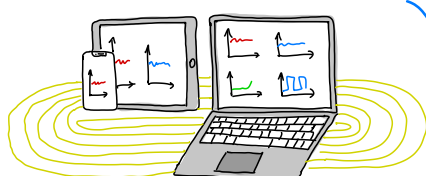
School enterprise WPA2 WiFi

Web Service

Internet



End device



...easy data inspection everywhere!