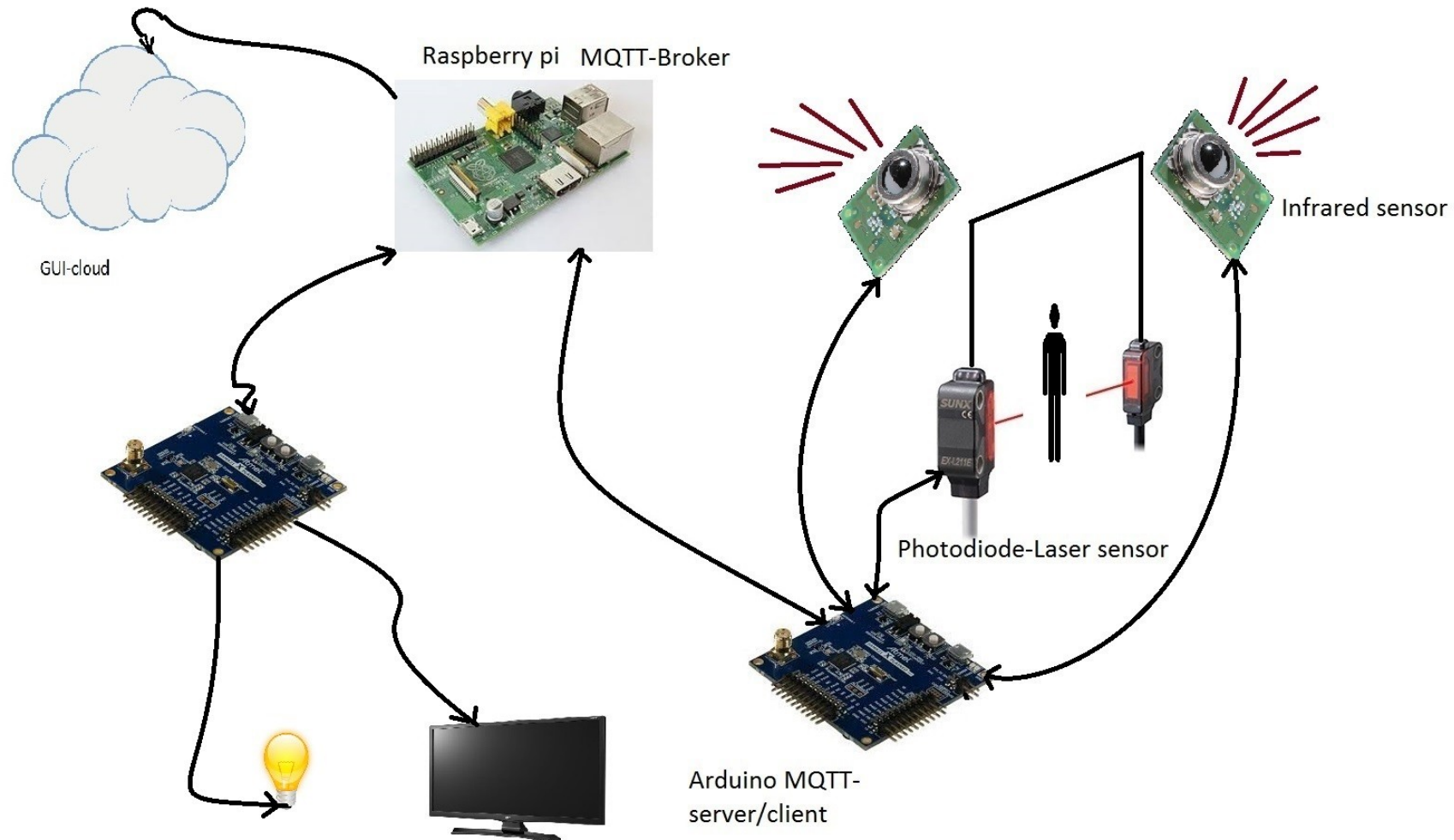


Zwischenstand Smart Human Detection

Michel Kapell, Alhajras Algdairy, Sebastian Szymczak

Was war unser Projekt?



Projektplan und Fortschritt

Projektplaner

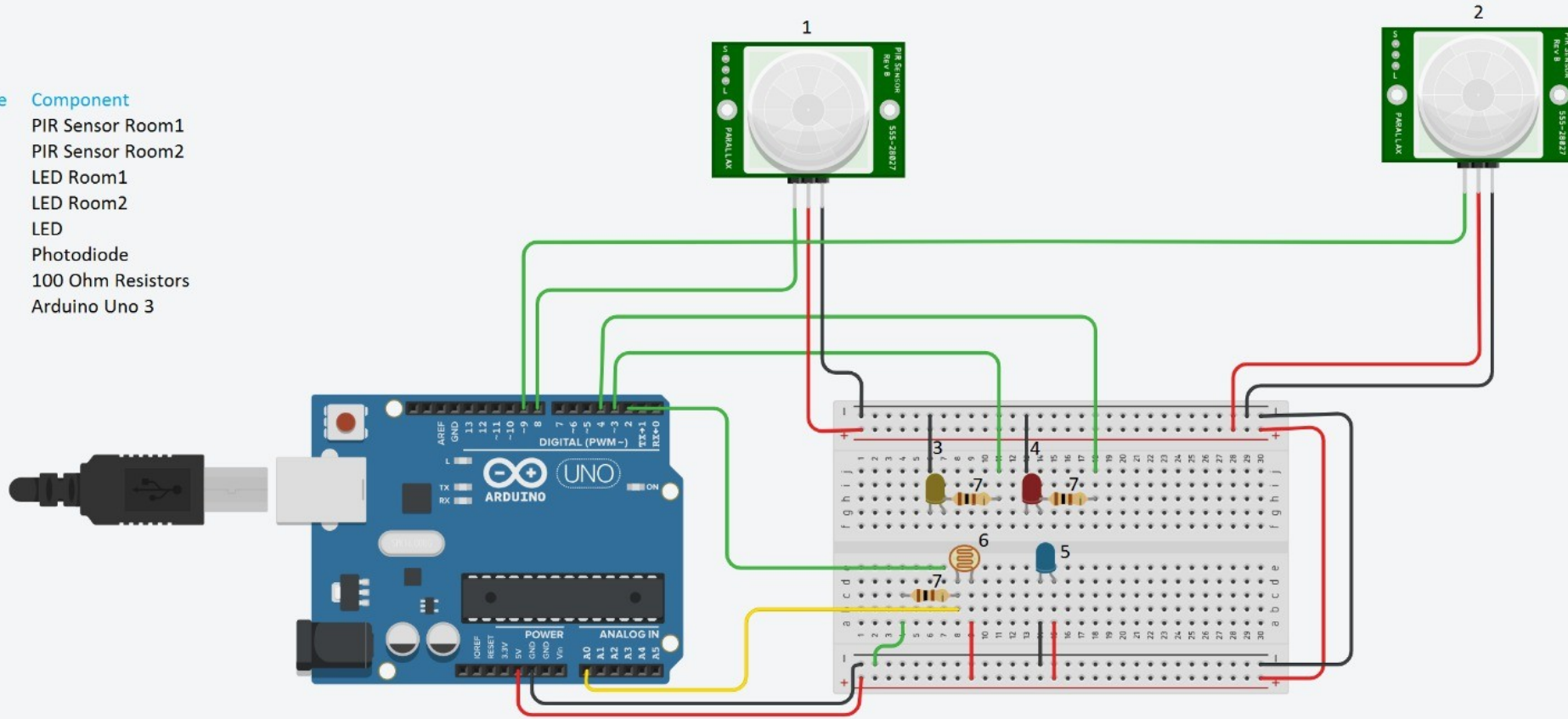
Wählen Sie rechts einen Zeitraum zum Hervorheben aus. Es folgt eine Legende, die das Diagramm beschreibt.



μ Controller und Sensoren auslesen

Lable Component

- 1 PIR Sensor Room1
- 2 PIR Sensor Room2
- 3 LED Room1
- 4 LED Room2
- 5 LED
- 6 Photodiode
- 7 100 Ohm Resistors
- 8 Arduino Uno 3



µController und Sensoren auslesen

```
Movement has been detected in room 1
ADC_LINE(1): 0
ADC_LINE(0): 143
Someone entered the room:
ADC value is 143
Movement has been detected in room 1
ADC_LINE(1): 0
ADC_LINE(0): 141
Someone entered the room:
ADC value is 141
```

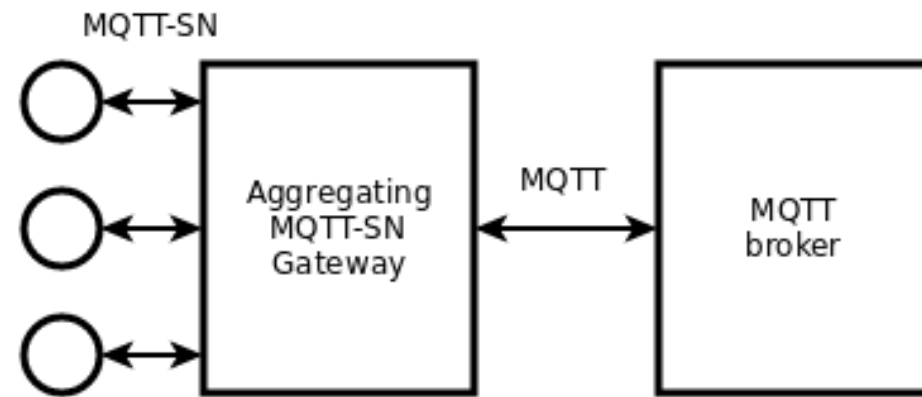
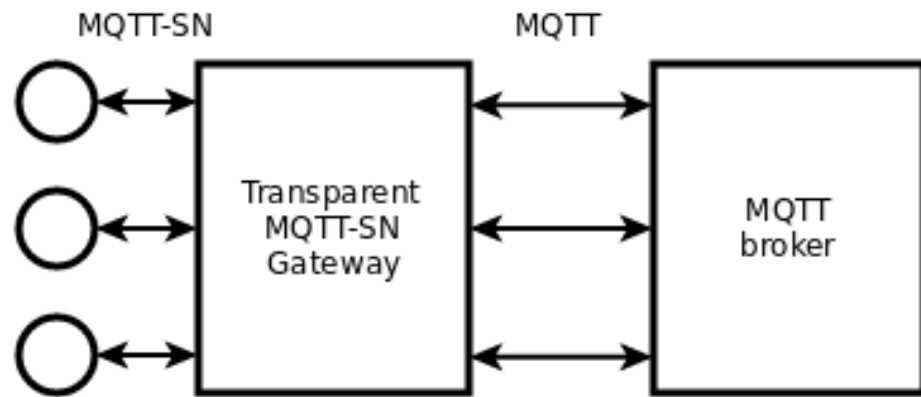
```
Movement has been detected in room 2
ADC_LINE(1): 0
ADC_LINE(0): 142
Someone entered the room:
ADC value is 142
Movement has been detected in room 2
ADC_LINE(1): 0
ADC_LINE(0): 142
```

```
2018-10-29 09:18:21,575 - INFO # ADC_LINE(0): 25
2018-10-29 09:18:21,577 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:21,678 - INFO # ADC_LINE(0): 23
2018-10-29 09:18:21,680 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:21,778 - INFO # ADC_LINE(0): 23
2018-10-29 09:18:21,780 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:21,876 - INFO # ADC_LINE(0): 22
2018-10-29 09:18:21,877 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:21,976 - INFO # ADC_LINE(0): 23
2018-10-29 09:18:21,978 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:22,078 - INFO # ADC_LINE(0): 22
2018-10-29 09:18:22,080 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:22,179 - INFO # ADC_LINE(0): 17
2018-10-29 09:18:22,181 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:22,279 - INFO # ADC_LINE(0): 14
2018-10-29 09:18:22,281 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:22,380 - INFO # ADC_LINE(0): 125
2018-10-29 09:18:22,382 - INFO # Someone entered the room:
2018-10-29 09:18:23,387 - INFO # ADC value is 125
2018-10-29 09:18:23,387 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:23,387 - INFO # ADC_LINE(0): 166
2018-10-29 09:18:23,388 - INFO # Someone entered the room:
2018-10-29 09:18:24,395 - INFO # ADC value is 166
2018-10-29 09:18:24,396 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:24,396 - INFO # ADC_LINE(0): 145
2018-10-29 09:18:24,397 - INFO # Someone entered the room:
2018-10-29 09:18:25,405 - INFO # ADC value is 145
2018-10-29 09:18:25,406 - INFO # Movement has been detected in room 2
2018-10-29 09:18:25,407 - INFO # ADC_LINE(1): 0
2018-10-29 09:18:25,408 - INFO # ADC_LINE(0): 146
```

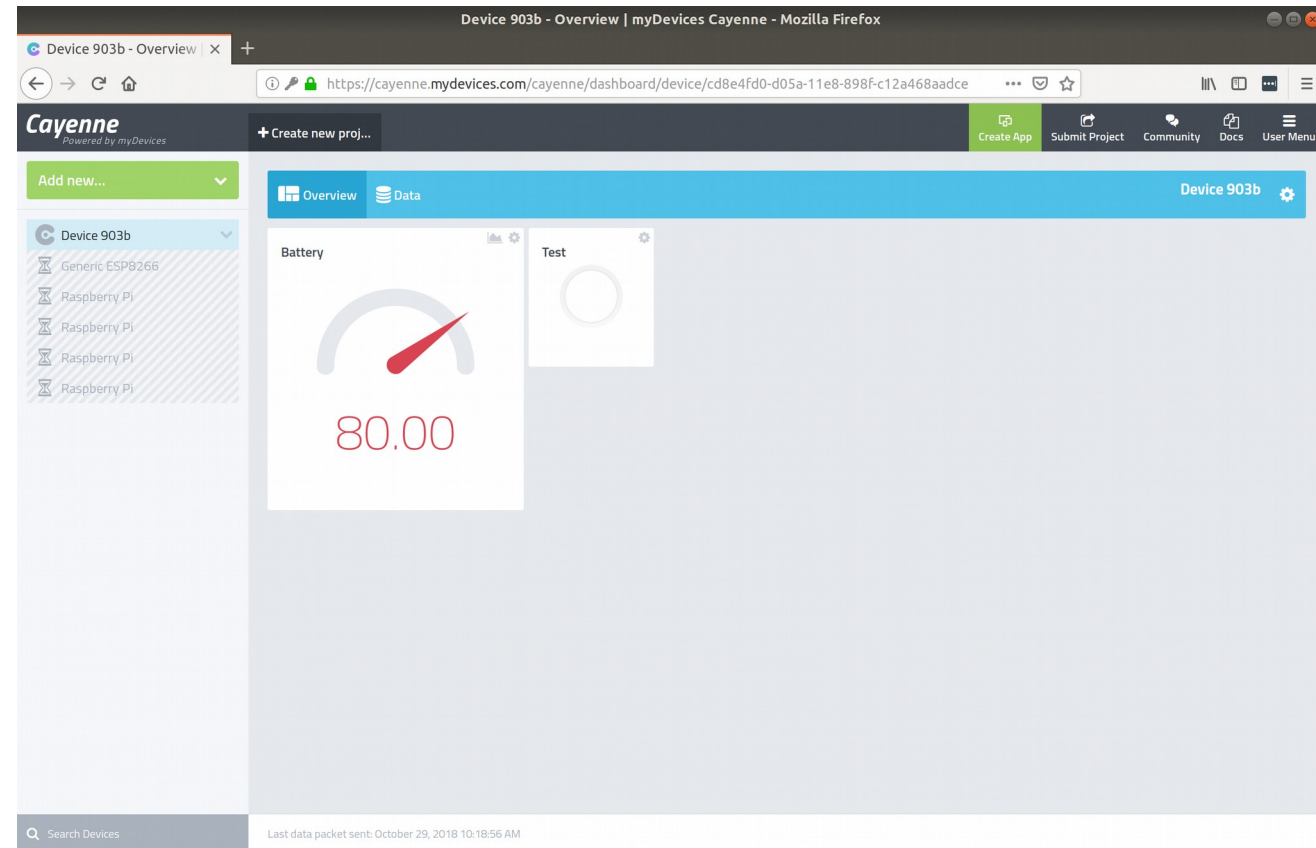
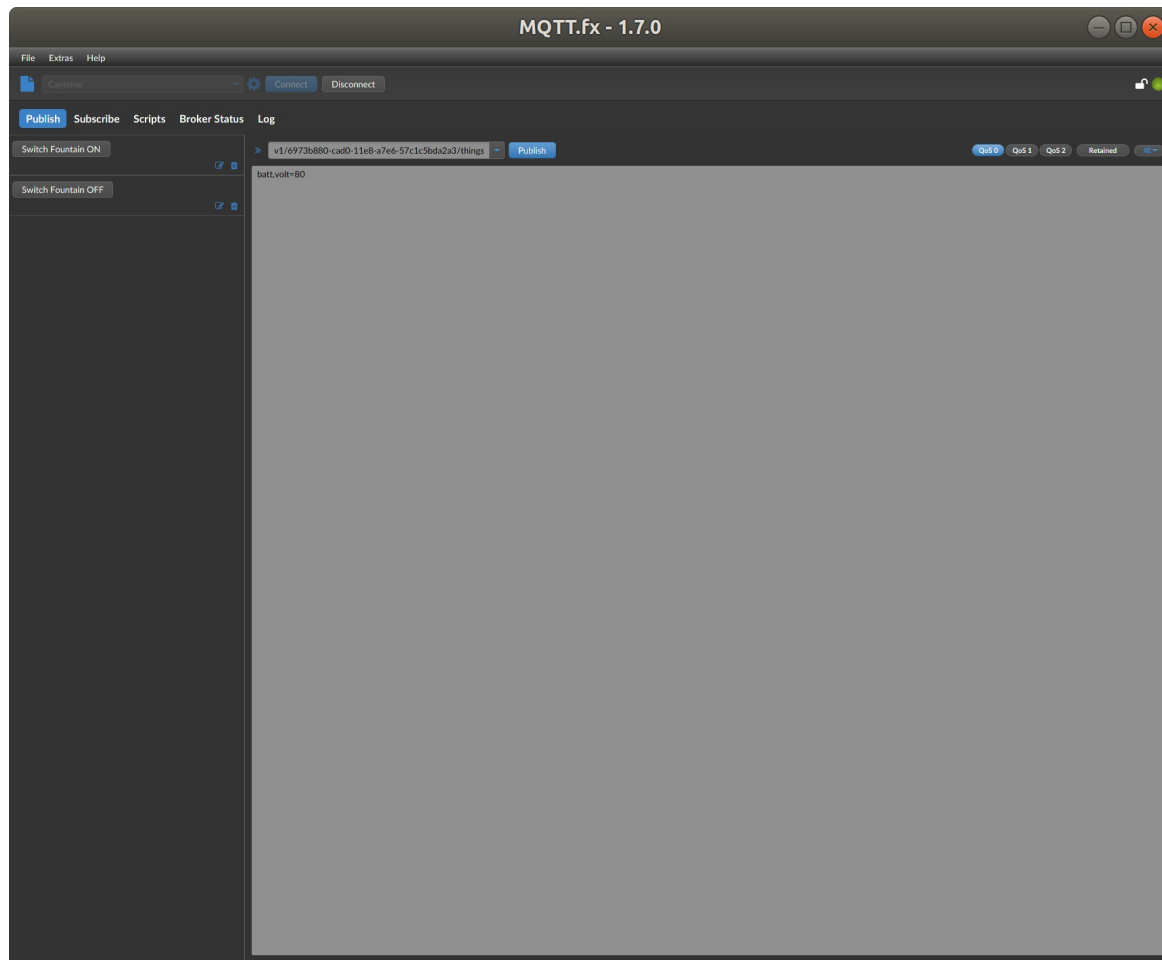
MQTT-SN auf dem μ Controller

- Auf native läuft schon
- Ping6 zu Rpi geht
- MQTT-SN zu Rpi steht noch nicht

Cayenne-Cloud und MQTT-SN Gateway



Cayenne-Cloud und MQTT-SN Gateway



Danke für Ihre
Aufmerksamkeit