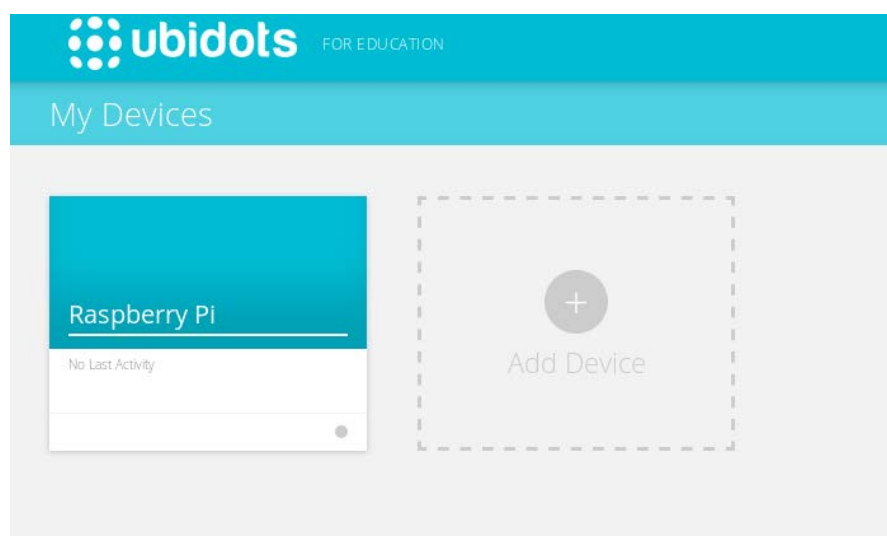# IoT Temperature

Operation and Maintenance Engineering

Instructions

1. Start the raspberry pi with the Melexis IR sensor

2. Open the python script lab_melexis.py and use it as a template for extracting the temperature and upload data to a cloud

3. Measure the ambient and object temperature

4. Using cloud service, create a dashboard that a) plots the data and b) calculate 5-minute average of two variables.

5. For a VG show how threading can be used to read data from the sensor, e.g. using a fixed rate.