

Erwin de Keijzer

Linux Engineer @ Snow

@erwindekeijzer

github.com/gnur

https://snow.nl

## This is about my washing machine

### 13:30 (ETA: 14:46)



# 14:48 (ETA: 15:03)

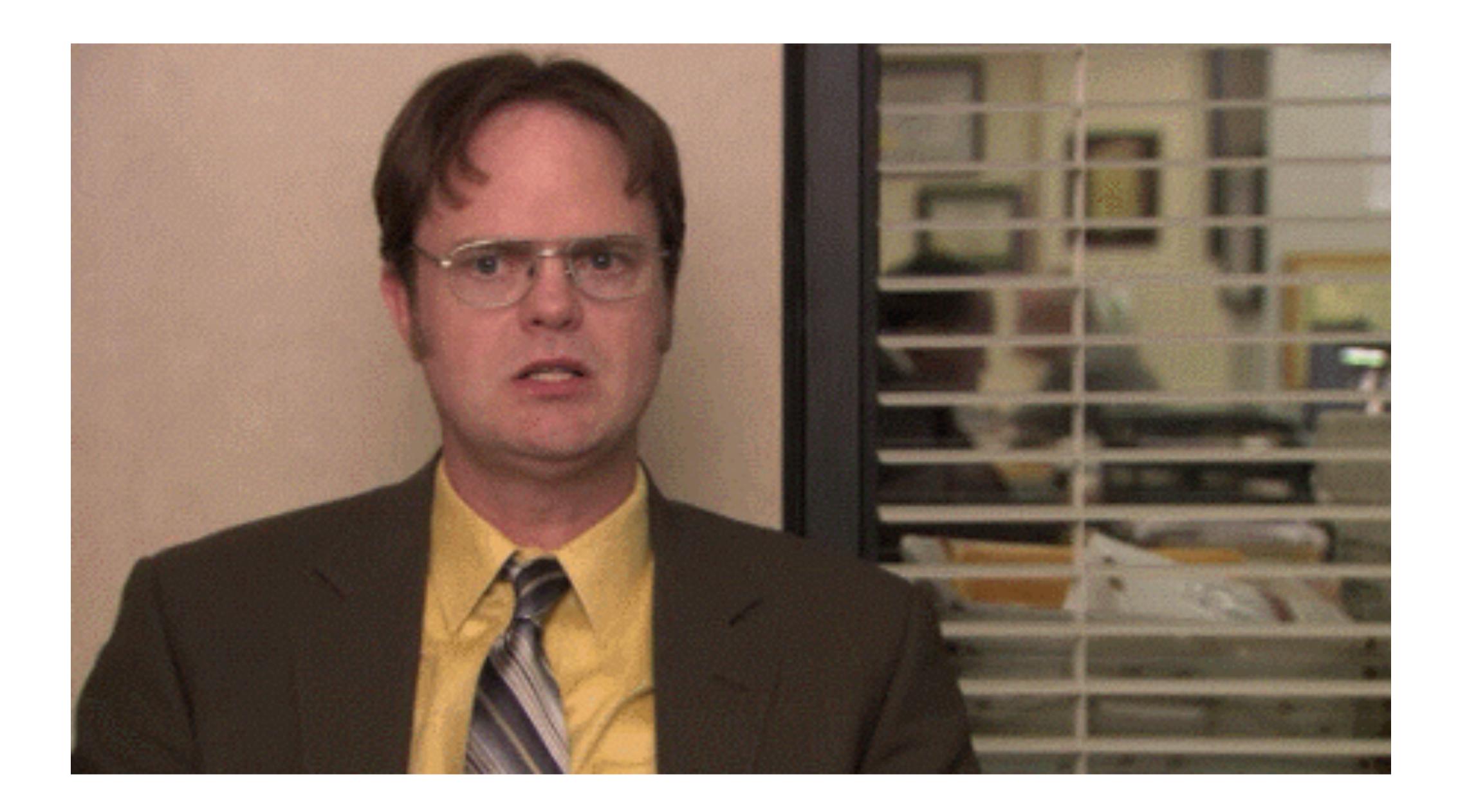


### 15:04 (ETA: 15:14)



## 15:23 (ETA: 15:33)

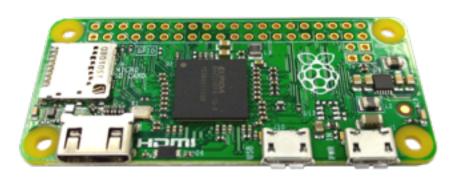


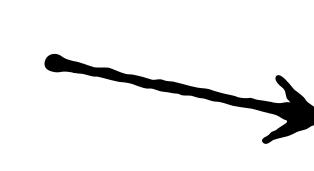


Main quest: get notifications when the washing machine is done

## The Setup



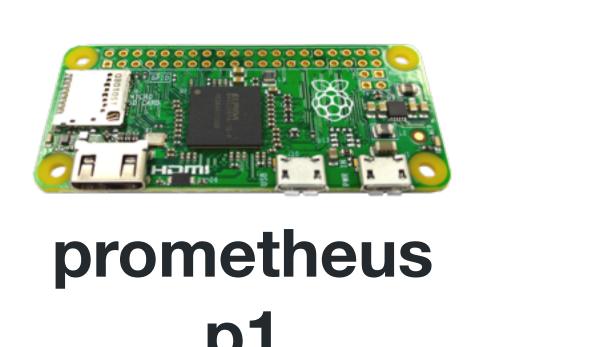






## Prometheus-p1-exporter

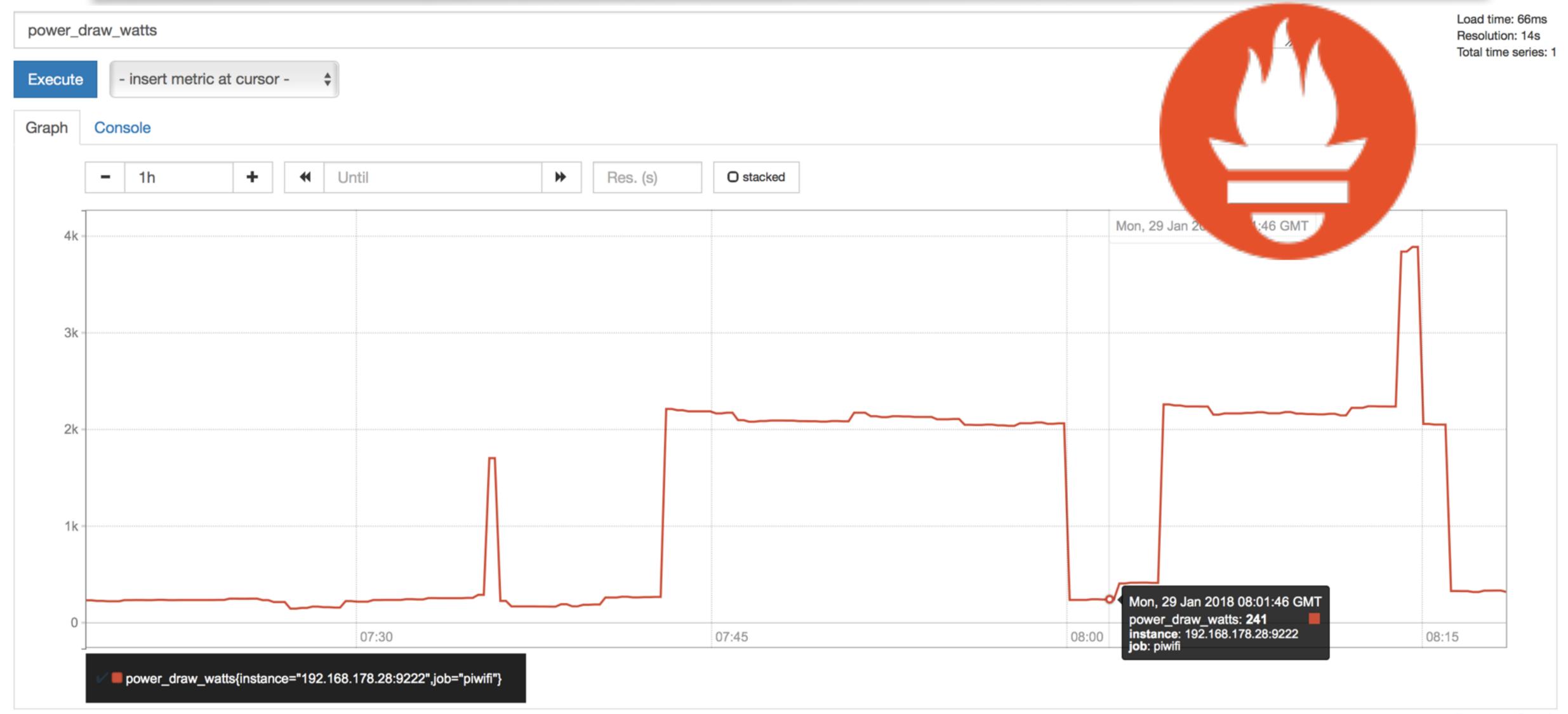
- Reads /dev/ttyUSB0
- Stores relevant info in global vars
- Exposes these metrics using the promhttp library (official go prometheus library)
- Prometheus scrapes the endpoint

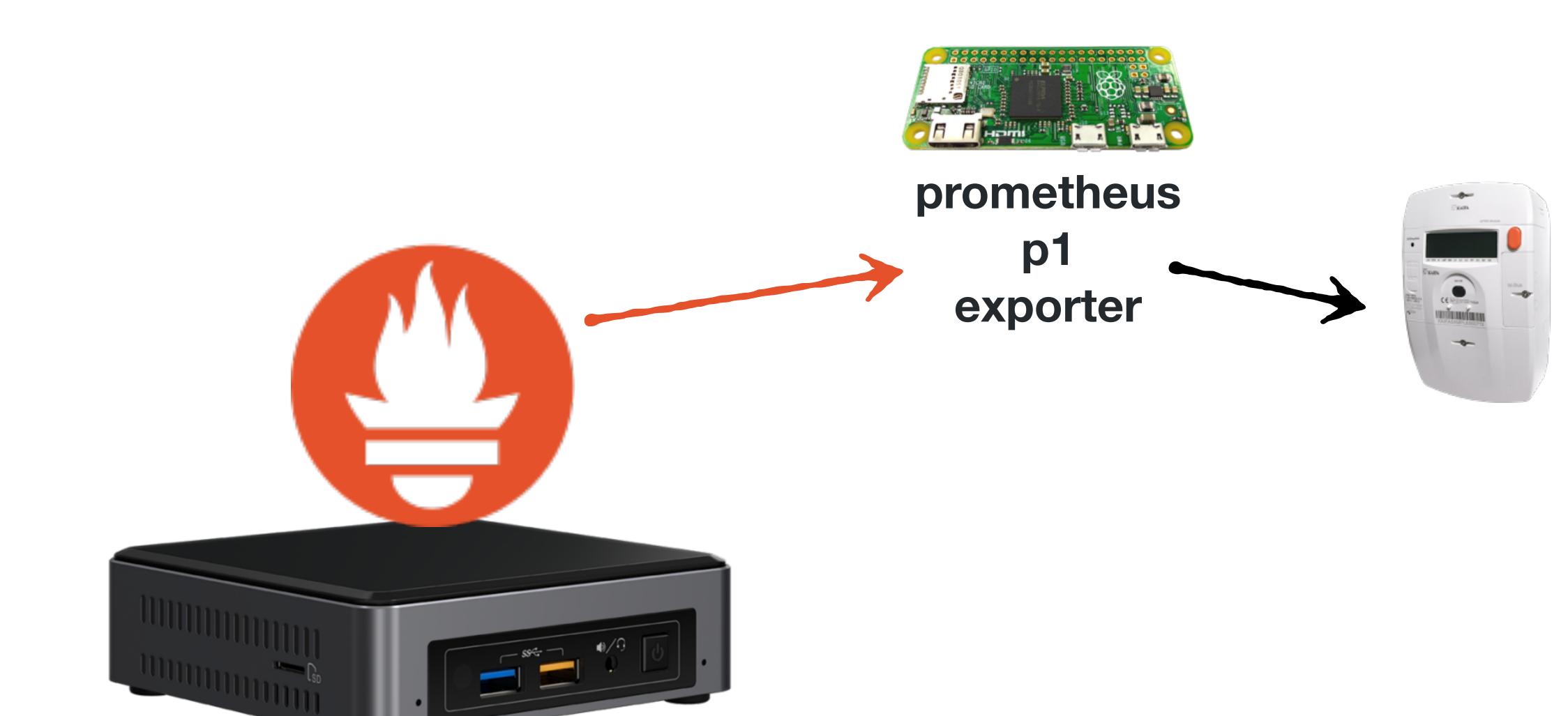


exporter

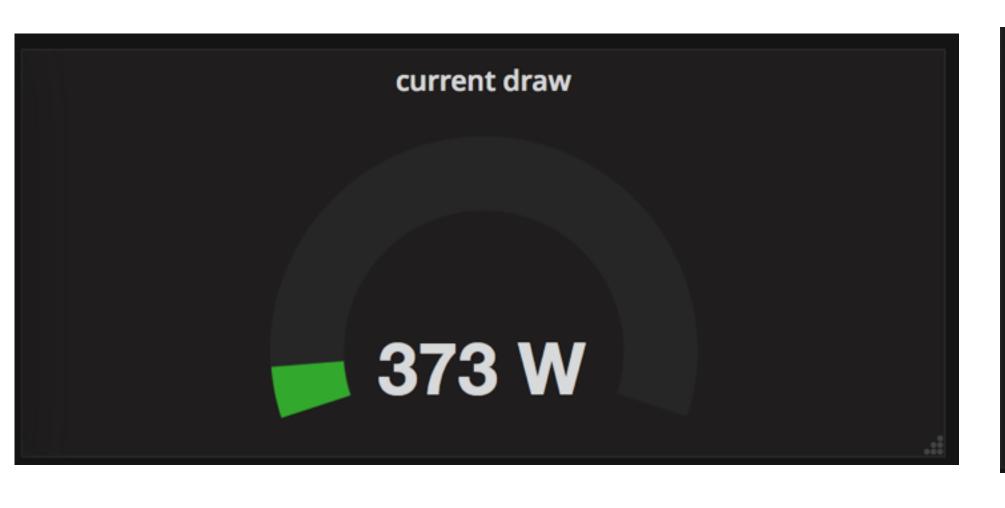


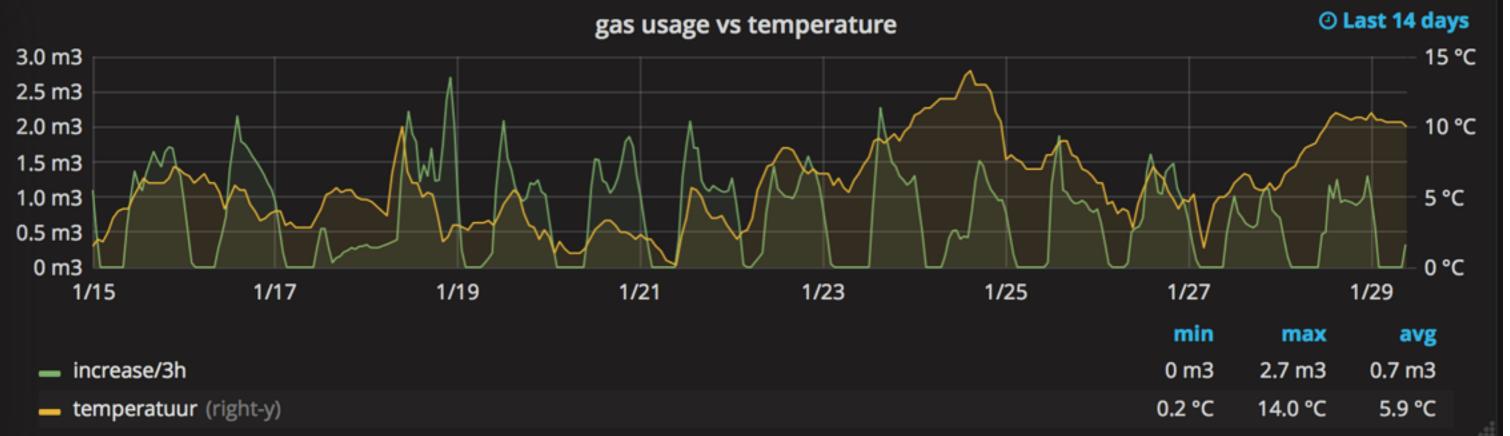
### Prometheus

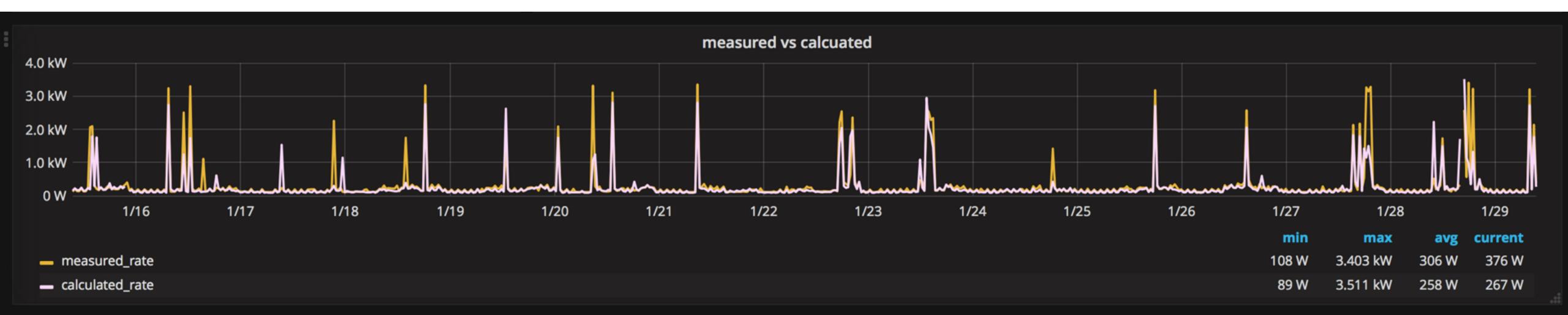


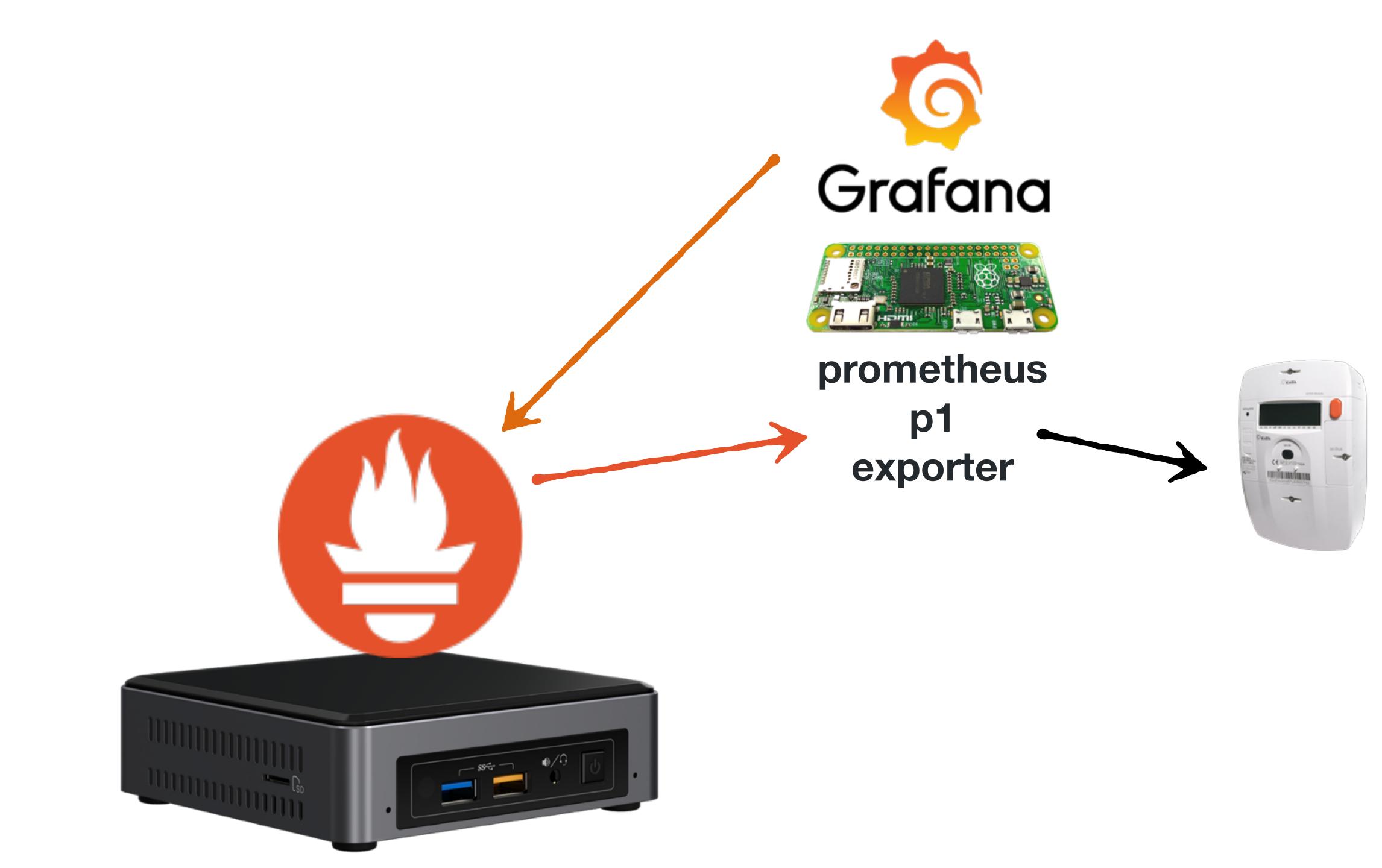


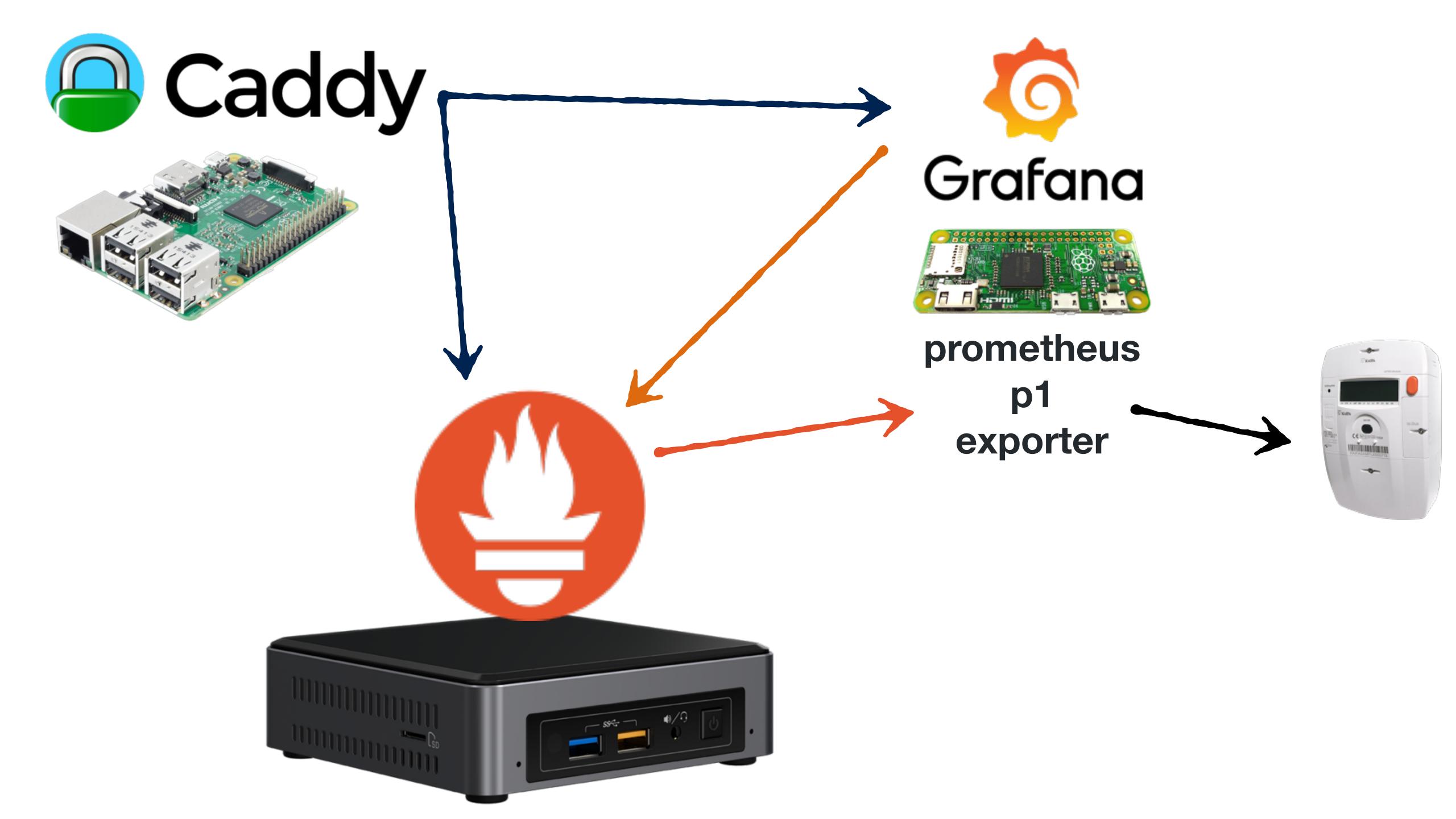
### Grafana



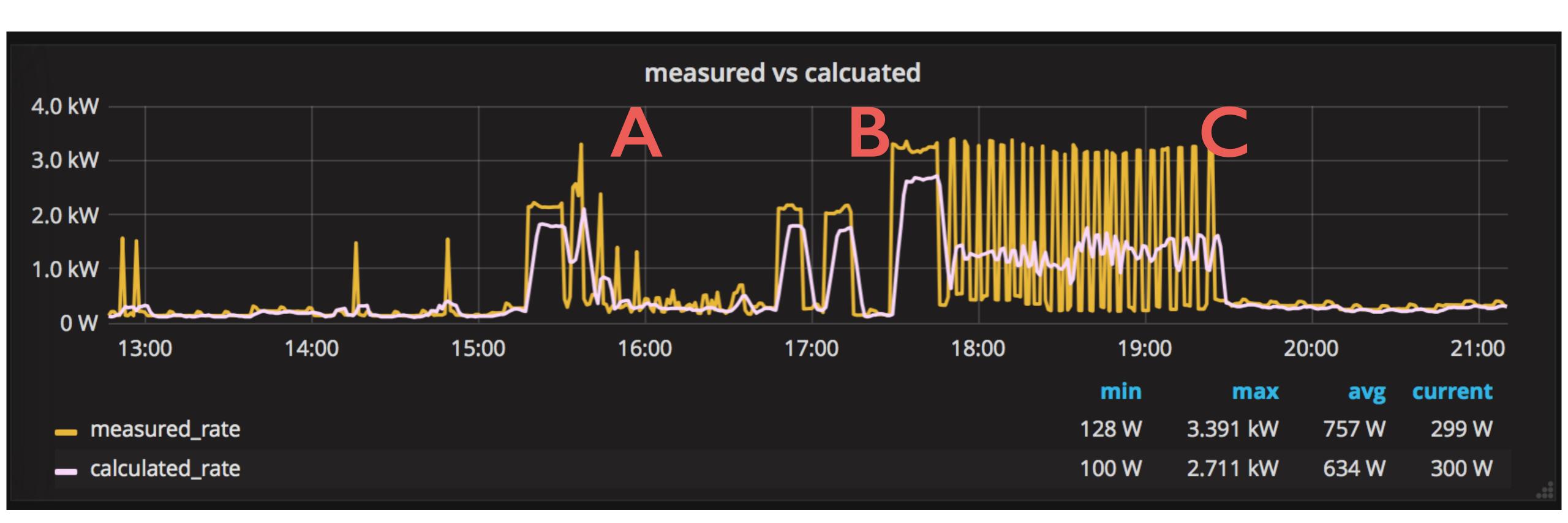




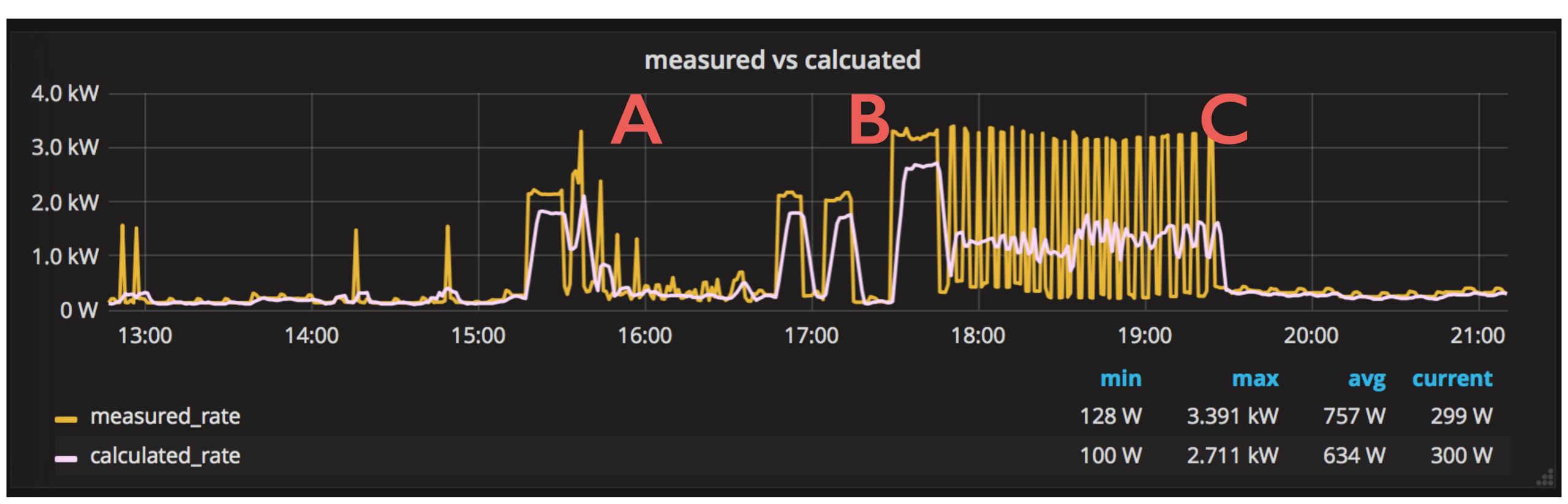




### Quiz



### Quiz



Washing machine Microwave

Oven

Main quest: get notifications when the washing machine is done

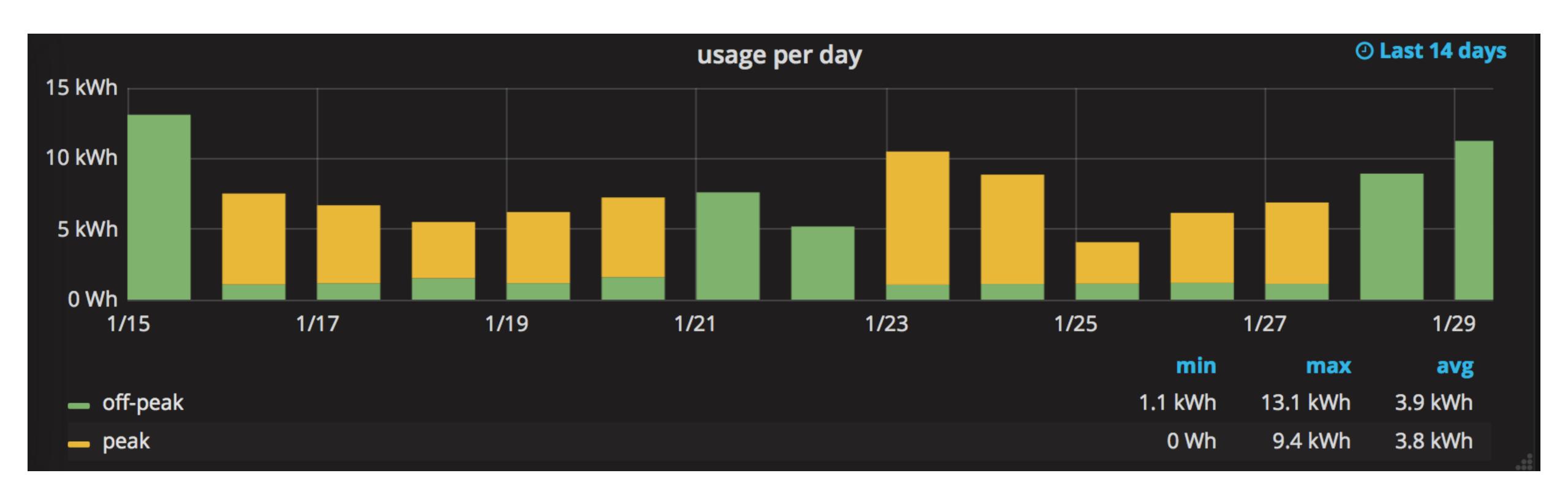
Main quest: get notifications when the washing machine is done

Main quest: get notifications when the washing machine is done

## Interesting graph #1



## Interesting graph #2



#### Sources

- https://prometheus.io
- https://grafana.com/
- https://caddyserver.com/
- https://github.com/gnur/prometheus-p1-exporter
- https://github.com/prometheus/client\_golang
- https://github.com/prometheus/alertmanager

