

Neuinstallation ioBroker auf einem R-Pi 3 B+

Quellen:

- [Raspberry Pi OS und ggf. Image Writer](#)
- [Raspi-Config Kommandozeilen Optionen](#)
- [ioBroker](#)
- [InfluxDB Installation](#)
- [InfluxDB 1.x Installation](#)
- [Grafana Installation](#)
- [Grafana ohne Login](#)
- [Verbindung InfluxDB 2.0 <-> Grafana](#)
- [Jeelink Klon](#)
- [LaCrosse Temperatur- & Feuchtesensor TX29DTH-IT, 868 MHz](#)
- [FHEM Wiki zu JeeLink/Lacrosse Klon im Eigenbau](#)
- [Arduino Sketch für JeeLink Empfänger](#)
- [Verdrahtung Arduino Nano und 868 MHz RF-Modul](#)

Das Grundsystems

Installation

Die Verwendung von InfluxDB 2.x setzt ein 64-bit Betriebssystem voraus.

Ein Desktop bzw. eine vollständige grafische Oberfläche wird nicht benötigt. Daher bezeichnet man ein solches System als „Headless“. Somit basiert dieses Heimautomatisierungsprojekt auf einem Raspberry Pi OS (32 oder 64-bit) Lite.

```
# Raspberry Pi Image besorgen
#wget
https://downloads.raspberrypi.org/raspios_lite_armhf/images/raspios_lite_armhf-2023-02-22/2023-02-21-raspios-bullseye-armhf-lite.img.xz
wget
https://downloads.raspberrypi.com/raspios_lite_armhf/images/raspios_lite_armhf-2023-10-10/2023-10-10-raspios-bookworm-armhf-lite.img.xz
oder
#wget
https://downloads.raspberrypi.org/raspios_lite_arm64/images/raspios_lite_arm64-2023-02-22/2023-02-21-raspios-bullseye-arm64-lite.img.xz
wget
https://downloads.raspberrypi.com/raspios_lite_arm64/images/raspios_lite_arm64-2023-10-10/2023-10-10-raspios-bookworm-arm64-lite.img.xz
# R-Pi Imager herunterladen und intallieren:
wget https://downloads.raspberrypi.org/imager/imager_latest_amd64.deb
sudo dpkg -i imager_latest_amd64.deb
rpi-imager
#sudo touch /media/<benutzername>/bootfs/ssh
```

```
#sync
# SD-Karte aushängen und damit den R-Pi booten
```

Konfiguration

Während des Bootvorganges erhält der Raspberry eine IP Adresse vom Router. Diese kann über die entsprechende Weboberfläche des Routers ermittelt werden.

```
# Grundsystem auf den aktuellen Stand bringen:
ssh -l pi <IP>
sudo su
apt-get update && sudo apt-get upgrade
apt-get install aptitude mc apt-transport-https software-properties-common
raspi-config nonint do_hostname iobroker
raspi-config nonint do_onewire 0
raspi-config nonint do_change_locale de_DE.UTF-8 UTF-8
raspi-config nonint do_expand_rootfs
raspi-config nonint do_update
reboot
# Feste IP für eth0 einstellen:
mcedit /etc/dhcpd.conf
interface eth0
static ip_address=192.168.10.11/24
static routers=192.168.10.1
static domain_name_servers=192.168.10.1
```

InfluxDB 1.x

Quelle: <https://docs.influxdata.com/influxdb/v1/introduction/install/>

Installation

```
sudo su
#wget -q0- https://repos.influxdata.com/influxdata-archive_compat.key | sudo
apt-key add -
#source /etc/lsb-release
#echo "deb https://repos.influxdata.com/${DISTRIB_ID,,} ${DISTRIB_CODENAME}
stable" | sudo tee /etc/apt/sources.list.d/influxdb.list
#curl https://repos.influxdata.com/influxdata-archive.key | gpg --dearmor |
sudo tee /usr/share/keyrings/influxdb-archive-keyring.gpg >/dev/null
#echo "deb [signed-by=/usr/share/keyrings/influxdb-archive-keyring.gpg]
https://repos.influxdata.com/debian $(lsb_release -cs) stable" | sudo tee
/etc/apt/sources.list.d/influxdb.list
wget -q https://repos.influxdata.com/influxdata-archive_compat.key
echo '393e8779c89ac8d958f81f942f9ad7fb82a25e133faddaf92e15b16e6ac9ce4c
influxdata-archive_compat.key' | sha256sum -c && cat influxdata-
```

```
archive_compat.key | gpg --dearmor | sudo tee
/etc/apt/trusted.gpg.d/influxdata-archive_compat.gpg > /dev/null
echo 'deb [signed-by=/etc/apt/trusted.gpg.d/influxdata-archive_compat.gpg]
https://repos.influxdata.com/debian stable main' | sudo tee
/etc/apt/sources.list.d/influxdata.list
```

```
apt-get update
```

```
apt-get install influxdb
```

```
systemctl unmask influxdb.service
```

```
systemctl enable influxdb
```

```
systemctl start influxdb
```

```
systemctl status influxdb
```

Konfiguration

```
sudo su
```

```
influx
```

```
> CREATE USER "admin" WITH PASSWORD 'influxdbadmin' WITH ALL PRIVILEGES
```

```
> CREATE USER "iobroker" WITH PASSWORD 'iobroker'
```

```
> CREATE DATABASE "iobroker"
```

```
> GRANT ALL ON "iobroker" TO "iobroker"
```

```
> exit
```

```
#
```

```
mcedit /etc/influxdb/influxdb.conf
```

```
[http]
```

```
enabled = true
```

```
bind-address = ":8086"
```

```
auth-enabled = true
```

```
log-enabled = true
```

```
write-tracing = false
```

```
pprof-enabled = true
```

```
https-enabled = false
```

```
#
```

```
systemctl restart influxdb
```

Datenbankgröße ermitteln

```
sudo su
```

```
du -sh /var/lib/influxdb/data/iobrokerdb/
```

Backups

Quelle:

https://docs.influxdata.com/influxdb/v1/administration/backup_and_restore/#back-up-all-databases

Erstellen

```
sudo su
influxd backup -portable /path/to/backup-destination
```

Wieder herstellen

```
sudo su
influxd restore -portable /path/to/backup-destination
```

InfluxDB 2.x

Installation

```
sudo su
cd ~
wget -q https://repos.influxdata.com/influxdata-archive_compat.key
echo '393e8779c89ac8d958f81f942f9ad7fb82a25e133faddaf92e15b16e6ac9ce4c
influxdata-archive_compat.key' | sha256sum -c && cat influxdata-
archive_compat.key | gpg --dearmor | sudo tee
/etc/apt/trusted.gpg.d/influxdata-archive_compat.gpg > /dev/null
echo 'deb [signed-by=/etc/apt/trusted.gpg.d/influxdata-archive_compat.gpg]
https://repos.influxdata.com/debian stable main' | sudo tee
/etc/apt/sources.list.d/influxdata.list
apt-get update
apt-get install influxdb2
systemctl start influxdb
systemctl status influxdb
```

Konfiguration

Die Konfiguration der InfluxDB erfolgt über den Browser via <http://RASPI-IP:8086>.

Grafana

Installation

```
sudo su
#wget -q -O /usr/share/keyrings/grafana.key https://apt.grafana.com/gpg.key
#echo "deb [signed-by=/usr/share/keyrings/grafana.key]
https://apt.grafana.com stable main" | sudo tee -a
/etc/apt/sources.list.d/grafana.list
```

```
wget -q -O - https://packages.grafana.com/gpg.key | sudo apt-key add -
echo "deb https://packages.grafana.com/oss/deb stable main" | sudo tee -a
/etc/apt/sources.list.d/grafana.list
apt-get update
# Install the latest OSS release:
apt-get install -y grafana
# Start System Service aka. Server
systemctl daemon-reload
systemctl start grafana-server
systemctl status grafana-server
systemctl enable grafana-server.service
```

Grafana Server: <http://IP:3000>

Grafana ohne Login

```
mcedit /etc/grafana/grafana.ini
# [auth.anonymous]
enabled = true
systemctl restart grafana-server
```

Backup

Quelle: <http://cactusprojects.com/backup-restore-grafana/>

Erstellen

```
sudo su
cp /var/lib/grafana/grafana.db /path/to/backup-destination
cp /etc/grafana/grafana.ini /path/to/backup-destination
```

Wieder herstellen

```
sudo su
cd /path/to/backup-destination
cp grafana.db /var/lib/grafana/
cp grafana.ini /etc/grafana/
```

ioBroker

Installation

```
sudo su
# automatische Installation:
curl -sLf https://iobroker.net/install.sh | bash -
```

Nach der Installation ist die ioBroker Instanz erreichbar unter <http://<Raspberry-Pi-IP>:8081>.

Steuerung

```
# ioBroker starten:
iobroker start
# ioBroker stoppen:
iobroker stop
# ioBrker Infos anzeigen
iobroker info
```

Adapter installieren

Als Adapter werden alle Schnittstellen zu externen aber auch zu internen Datenquellen (z.B. Shelly Sensoren, Temperatur, Luftfeuchte, GPIO, 1-Wire, etc.) und Senken (Shelly Aktoren) bezeichnet.

- influxDB (Datenbank zur Speicherung von Messwerten)
- DS18B20 (Auslesen von 1-Wire Temperatursensoren)
- HABpanel (Steuerung von Aktoren vis Webseite)
- Jeelink-Geräte (Empfangen von 868mHz LaCrosse Temperatur- und Feuchtesensoren (hier z.B. TX29DTH-IT) mit Hilfe eines Jeelink Klones
- MQTT Broker (zur Datenverarbeitung von MQTT-fähigen Sensoren und Aktoren)
- Philips Luftreiniger (für die Anbindung eines Philips Air Purifier 4000i Series (Typ: AC4236/10)
- RPI-Monitor (Nutzung von GPIOs z.B. zum Einlesen eines Reed-Kontaktes für den Gaszähler)
- Skriptausführung (Javascript und Blockly)
- WEB-Server (für HABpanel

admin

★★★★★

Admin

↓

Installierte Instanzen:1

Verfügbare Version:6.3.5

Installierte Version:6.3.5

backupup

★★★★★

BackItUp

!

Installierte Instanzen:1

Verfügbare Version:2.5.12

Installierte Version:2.5.12

influxdb

★★★★★

Daten mit InfluxDB protokollieren

↓

Installierte Instanzen:1

Verfügbare Version:3.2.0

Installierte Version:3.2.0

ds18b20

★★★★★

DS18B20

↑

Installierte Instanzen:1

Verfügbare Version:1.6.1

Installierte Version:1.6.1

simple-api

★★★★★

Einfache RESTful API

Verfügbare Version:2.7.2

Installierte Version:2.7.2

discovery

★★★★☆

Gerätesuche

Installierte Instanzen:1

Verfügbare Version:3.1.0

Installierte Version:3.1.0

habpanel

★★★★★

HABpanel

↓

Installierte Instanzen:1

Verfügbare Version:0.5.0

Installierte Version:0.5.0

jeelink

★★★★★

Jeelink-Geräte

Installierte Instanzen:1

Verfügbare Version:0.1.4

Installierte Version:0.1.4

mqtt

★★★★★

MQTT Broker/Client

↓

Installierte Instanzen:1

Verfügbare Version:4.0.7

Installierte Version:4.0.7

philips-air

★★★★☆

Philips Luftreiniger

↓

Installierte Instanzen:1

Verfügbare Version:1.0.1

Installierte Version:1.0.1

rpi2

★★★★★

RPI-Monitor

↑

Installierte Instanzen:1

Verfügbare Version:1.3.2

Installierte Version:1.3.2

javascript

★★★★★

Skriptausführung

Installierte Instanzen:1

Verfügbare Version:6.1.4

Installierte Version:6.1.4

socketio

★★★★★

socket.io

↓

Verfügbare Version:4.2.0

Installierte Version:4.2.0

ws

★★★★★

Web socket

↓

Verfügbare Version:1.3.0

Installierte Version:1.3.0

web

★★★★☆

WEB-Server

↓

Installierte Instanzen:1

Verfügbare Version:4.3.0

Installierte Version:4.3.0

Adapter konfigurieren

Die oben aufgeführten Adapter sind nach der Installation unter Instanzen zu finden und müssen dort konfiguriert werden.

1-Wire

DS18B20

Instanzeinstellungen: ds18b20.0

v2.0.4

Info

ALLGEMEINE EINSTELLUNGEN

SENSOREN

REMOTE-SYSTEME

Sensoren

+ Adresse	Remote-System-ID	Name	Abfrageintervall	Einheit	Faktor	Offset	Dezimalstellen	Null bei Fehler	Aktiviert	
10-00080359c712	keins	Vorlauftemperatur	Standard	°C	1	0	2	☒	☒	↓
10-00080359e7fe	keins	Rücklauftemperatur	Standard	°C	1	0	2	☒	☒	↑

JeeLink

TBC - Empfänger bauen und programmieren → TBC

Christophs DokuWiki - <https://von-thuelen.de/>

Jeelink Settings

/dev/ttyUSB0

57600

Serial port

Baud rate

/dev/ttyUSB0 or /dev/ttyACME0

usually 57600

Jeelink Command (trial)

☐ Befehl aktivieren

usually empty

Befehl für Stick-Setup

usually empty

Sensorkonfiguration

gültige Sensortypen:
emonTH, emonWater, LaCrosseDTH, LaCrosseDTT, LaCrosseBMP180, HMS100T, LaCrosseWS, EC3000, EMT7110, level

+

GET FROM ADAPTER

	id	type	uid	Name	Löschen
1	22	LaCrosseDTH	▼ Badezimmer	THS_#03	
2	43	LaCrosseDTH	▼ Küche	THS_#05	
3	21	LaCrosseDTH	▼ Wohnzimmer	THS_#06	
4	11	LaCrosseDTH	▼ Wintergarten	THS_#08	
5	14	LaCrosseDTH	▼ Schlafzimmer	THS_#04	
6	37	LaCrosseDTH	▼ Jonas	THS_#02	
7	40	LaCrosseDTH	▼ IT-Schrank	THS_#09	
8	9	LaCrosseDTH	▼ Lager	THS_#07	
9	8	LaCrosseDTH	▼ Außensensor	THS_#00	

MQTT

Für IKEA Sensoren -> Die angepasste Firmware gibt es [hier](#).

Instanzeinstellungen: mqtt.0 4.11.1 WARN

VERBINDUNG

MQTT EINSTELLUNGEN

IP

Server/Broker

☐ WebSockets benutzen

Verbindungseinstellungen

IP Adresse

Port

[IPv4] 192.168.10.11 - eth0

1883

☐ SSL

Authentifizierungseinstellungen

Benutzer

Passwort

Passwort (wiederholen)

mqttuser

Philips

**Instanzeinstellungen: philips-air.0** v1.0.3   warn 

Geräte-IP
192.168.10.125

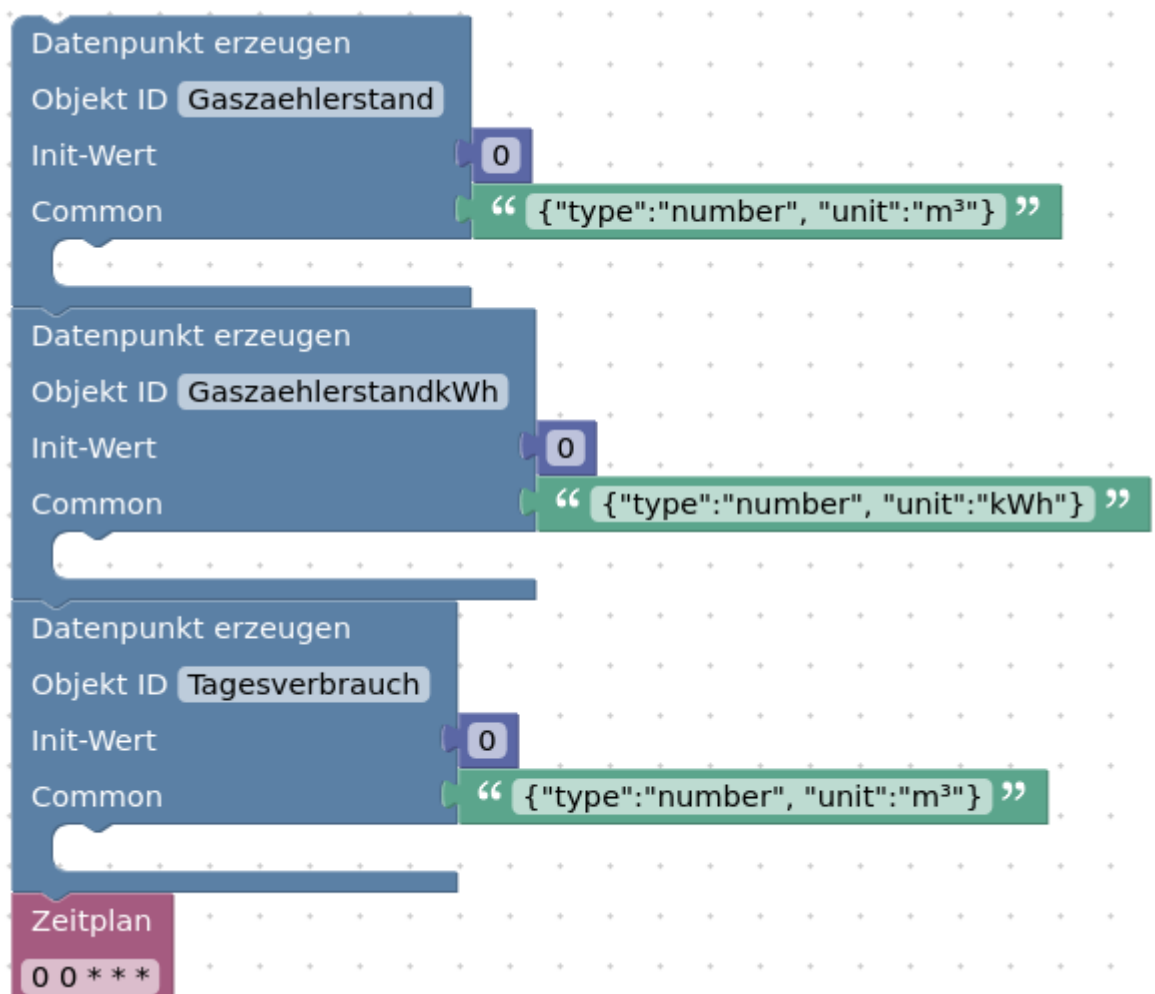
Lebenszeitüberschreitung	Wiederverbindungsintervall
30000 	30000 
ms	ms

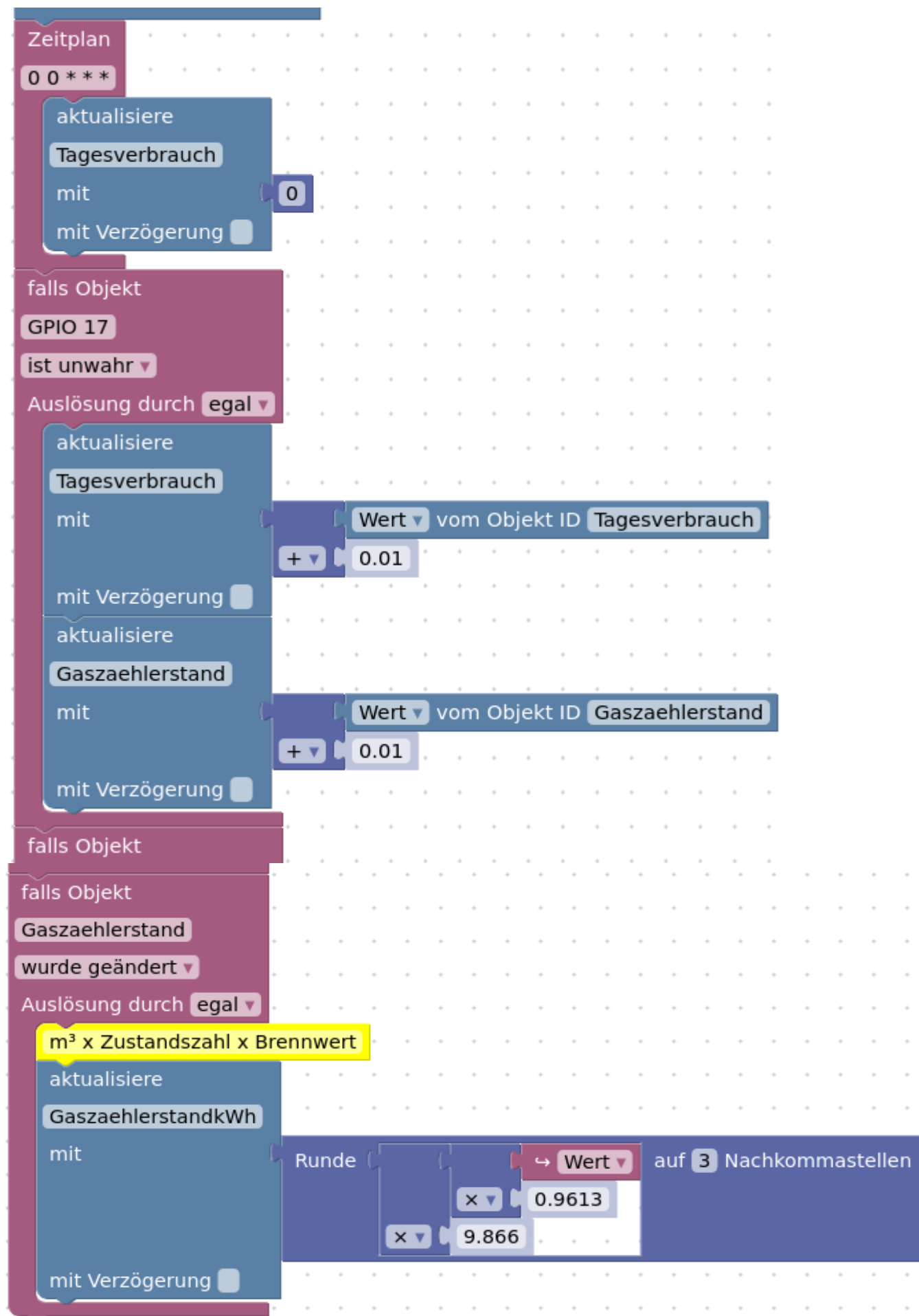
Kommunikationsprotokoll
CoAP 

Gaszähler

Reedkontakt am GPIO #?

Blockly





Und das ganze als Java Script:

```

createState('Gaszaehlerstand', 0, JSON.parse('{"type":"number",
"unit":"m³"}'), async () => {
});
createState('GaszaehlerstandkWh', 0, JSON.parse('{"type":"number",
"unit":"kWh"}'), async () => {
});
createState('Tagesverbrauch', 0, JSON.parse('{"type":"number",
"unit":"m³"}'), async () => {
});
schedule("0 0 * * *", async () => {
  setState('javascript.0.Tagesverbrauch' /* Tagesverbrauch */, 0, true);
});
on({ id: 'rpi2.0.gpio.17.state' /* GPIO 17 */, val: false }, async (obj) => {
  let value = obj.state.val;
  let oldValue = obj.oldState.val;
  setState('javascript.0.Tagesverbrauch' /* Tagesverbrauch */,
(getState('javascript.0.Tagesverbrauch').val + 0.01), true);
  setState('javascript.0.Gaszaehlerstand' /* Gaszaehlerstand */,
(getState('javascript.0.Gaszaehlerstand').val + 0.01), true);
});
on({ id: 'javascript.0.Gaszaehlerstand' /* Gaszaehlerstand */, change: 'ne'
}, async (obj) => {
  let value = obj.state.val;
  let oldValue = obj.oldState.val;
  // m³ x Zustandszahl x Brennwert
  setState('javascript.0.GaszaehlerstandkWh' /* GaszaehlerstandkWh */,
Math.round(((obj.state ? obj.state.val : "") * 0.9613 * 9.866) * 1000) /
1000, true);
});

//JTNDeG1sJTIweG1sbNlMlM0QlMjJodHRwcyUzQSUyRiUyRmRldmVsb3BlcnMuZ29vZ2x1LmNvbS
UyRmJsb2NrbHk1MkZ4bWw1MjI1M0U1M0N1bG9jayUyMHR5cGU1M0QlMjJjcmVhdGU1MjI1MjBpZC
UzRCUyMjBCJTdCJTdETGxSZCUyQ2QhQnI2NyU0MFZsYnY1MjI1MjB4JTNEJTIyMTEzJTIyJTIweS
UzRCUyMi0xMTI1MjI1M0U1M0N1bG9jayUyMHR5cGU1M0QlMjJjcmVhdGU1MjI1MjBpZC
N0Yw5kJTNDJTIwZm1lZGQ1M0U1M0N1bG9jayUyMHR5cGU1M0QlMjJjcmVhdGU1MjI1MjBpZC
NrJTIwdHlwZSUzRCUyMm1hdGhfbnVtYmV5JTIyJTIwaWw1M0QlMjJjcmVhdGU1MjI1MjBpZC
p+ZyUyMyUyNCUyNUI1MkNkJTIyJTNFJTNDZm1lZGQ1MjJjcmVhdGU1MjI1MjBpZC
UyRmZpZWxkJTNFJTNDJTIwYmV5Y2s1M0U1M0MlMkZ2Yw1ZSUzRSUzQ3ZhbHVlJTIwbmFtZSUzRC
UyMkNPTU1PTiUyMiUzRSUzQ2Jsb2NrJTIwdHlwZSUzRCUyMnRleHlMjI1MjBpZCUzRCUyMiUyQn
dhSlhpQmV+MWRuJTQwU05CWEQ1NURiJTIyJTNFJTNDZm1lZGQ1MjJjcmVhdGU1MjI1MjBpZC
UzRSU3Q1UyMnR5cGU1MjI1M0U1M0N1bG9jayUyMHR5cGU1M0QlMjJjcmVhdGU1MjI1MjBpZC
Z3ZV5JTVEeiu1RGZlUmIqTiUyMiUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMk5BTU1MjI1M0VHYX
N6YwVobGVyc3RhbMRRv2glM0MlMkZmaWVsZCUzRSUzQ3ZhbHVlJTIwbmFtZSUzRCUyMlZBTfVFJT
IyJTNFJTNDYmxvY2s1MjB0eXB1JTIyJTIyJTIyJTIyJTIyJTIyJTIyJTIyJTIyJTIyJTIyJTIyJTIy
F2NEpoaVklN0NtWiU2MHR2YTQ1MkI1MjI1M0U1M0N1bG9jayUyMHR5cGU1M0QlMjJjcmVhdGU1MjI1M0
UwJTNDJTIwZm1lZGQ1M0U1M0MlMkZibG9jayUzRSUzQyUyRnZhbHVlJTNFJTNDdmFsdWU1MjJjcmVhdGU1MjI1MjBpZC

```

1lJTNEJTIyQ09NTU90JTIyJTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIydGV4dCUyMiUyMGlkJTNEJTIyYbEQLN0RwNy5WJTI1JTNEIVMlM0FlJTJGKFBqMSU1QmU1MjI1M0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJURVhUJTIyJTNFJTdCJTIdHlwZSUyMiUzQSUyMm51bWJlc1UyMiUyQyUyMCUyMnVuaXQlMjI1M0ElMjJrV2g1MjI1N0Q1M0MlMkZmaWVsZCUzRSUzQyUyRmJsb2NrJTNEJTNdJTJGdmFsdWU1M0U1M0NuZXh0JTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIyY3JlYXRlJTIdIiwawQlM0QlMjJKdCU1RVU1MjR3fiUyQzNSfilVUEpKUCUyQiUyNGMlMjI1M0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJ0QU1FJTIdIyJTNFVGFnZXN2ZXJicmF1Y2g1M0MlMkZmaWVsZCUzRSUzQ3ZhbHVlJTIdIiwbmFtZSUzRCUyMlZBTFFVJTIyJTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIybWF0aF9udW1iZXI1MjI1MjBpZCUzRCUyMm9iJTNCXzA5ISU1RXVrZV8lM0JjJTQwVXF0Q1o1MjI1M0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJ0VU0lMjI1M0UwJTNDJTJGZml1bGQlM0U1M0MlMkZibG9jayUzRSUzQyUyRnZhbHVlJTNEJTNdFsdWU1MjBuYW1lJTNEJTIyQ09NTU90JTIyJTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIydGV4dCUyMiUyMGlkJTNEJTIyQnI3eSUzRCUyQ2RHQUY5SSU1RG1iJTNGei0lMkMlM0ElMjI1M0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJURVhUJTIyJTNFJTdCJTIdHlwZSUyMiUzQSUyMm51bWJlc1UyMiUyQyUyMCUyMnVuaXQlMjI1M0ElMjJtJUMyJUIzJTIdEJTNdJTJGZml1bGQlM0U1M0MlMkZibG9jayUzRSUzQyUyRnZhbHVlJTNEJTNdbmV4dCUzRSUzQ2Jsb2NrJTIdHlwZSUzRCUyMnNjaGVkdWx1JTIdIyJTIwaWQlM0QlMjI1MjI1NUwCUzRFpYJTdCLXcyY3U1M0RVaiFudU8qJTIdIyJTNFJTNDZml1bGQlMjBuYW1lJTNEJTIyU0NIRURVTEU1MjI1M0UwJTIdIiwMCUyMColMjAqJTIdIiwKiUzQyUyRmZpZWxkJTNFJTNDc3RhdGVtZW50JTIdIiwbmFtZSUzRCUyMlNUQVRFTUV0VCUyMiUzRSUzQ2Jsb2NrJTIdHlwZSUzRCUyMnVwZGF0ZSUyMiUyMGlkJTNEJTIyJTQwMHVGbkszcCU0MGQoYUZ0e1Q1N0MlMkZsYiUyMiUyMGlubGluZSUzRCUyMmZhbHNlJTIdIyJTNFJTNDbXV0YXRpb24lMjB4bWxucyUzRCUyMmh0dHAlM0ElMkYlMkZ3d3cudzMub3JnJTJGMTk50SUyRnhodG1sJTIdIyJTIwZGVsYXlfaW5wdXQlM0QlMjJmYXxzZSUyMiUzRSUzQyUyRm11dGF0aW9uJTNFJTNDZml1bGQlMjBuYW1lJTNEJTIyT0lEJTIdIyJTNFamF2YXNjcmlwdC4wLlRhZ2VzdmVYnJhdWNoJTNDJTJGZml1bGQlM0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJXSVRlX0RfTEFZJTIdIyJTNFRkFMU0U1M0MlMkZmaWVsZCUzRSUzQ3ZhbHVlJTIdIiwbmFtZSUzRCUyMlZBTFFVJTIyJTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIybWF0aF9udW1iZXI1MjI1MjBpZCUzRCUyMjQpciUyQ1glNjBGZy41NUJxJTNEdV9IKmxmUms1MjI1M0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJ0VU0lMjI1M0UwJTNDJTJGZml1bGQlM0U1M0MlMkZibG9jayUzRSUzQyUyRnZhbHVlJTNEJTNdJTJGYmxvY2s1M0U1M0MlMkZzdGF0ZW11bnQlM0U1M0NuZXh0JTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIyb24lMjI1MjBpZCUzRCUyMmFGZiUyRiU0MCU1RSpsNEgpcCUyMyUyQ3U2RiU1RS4pJTIdIyJTNFJTNDZml1bGQlMjBuYW1lJTNEJTIyT0lEJTIdIyJTNFcnBpMi4wLmdwaW8uMTcuc3RhdGU1M0MlMkZmaWVsZCUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMkNPTkRJVElPTiUyMiUzRWZhbHNlJTNDJTJGZml1bGQlM0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJBQ0t0fQ090RElUSU90JTIyJTNFJTNDJTJGZml1bGQlM0U1M0NzdGF0ZW11bnQlMjBuYW1lJTNEJTIyU1RBVEVNRU5UJTIyJTNFJTNDYmxvY2s1MjB0eXBlJTNEJTIydXBkYXRlJTIdIyJTIwaWQlM0QlMjJ0ZHp+anc1NjBPJTdEJTId0GklN0NNSEJUQm41JTIdIyJTIwaW5saw51JTNEJTIyZmFsc2U1MjI1M0U1M0NtdXRhdGlubiUyMHhtbG5zJTNEJTIyaHR0cCUzQSUyRiUyRnd3dy53My5vcmlMkYx0Tk5JTJGGeGh0bWw1MjI1MjBkZWxheV9pbmBldCUzRCUyMmZhbHNlJTIdIyJTNFJTNDJTJGbXV0YXRpb24lM0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJPSUQlMjI1M0VqYXZhc2NyaXB0LjAuVGFnZXN2ZXJicmF1Y2g1M0MlMkZmaWVsZCUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMldJVEhFREVMQVklMjI1M0VGVGUxTRSUzQyUyRmZpZWxkJTNFJTNDdmFsdWU1MjBuYW1lJTNEJTIyVkfMVUU1MjI1M0U1M0NibG9jayUyMHR5cGU1M0QlMjJtYXR0X2FyaXR0bWV0aWw1MjI1MjBpZCUzRCUyMkRxt1R0cm9NJTDdDRkxXJTJGwGclMkjrJTQwa3I1MjI1MjBpbmxbpmlM0QlMjJmYXxzZSUyMiUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMk9QJTIdIyJTNFQUREJTNdJTJGZml1bGQlM0U1M0N2Ywx1ZSUyMG5hbWU1M0QlMjJBjTIyJTNFJTNDc2hhZG93JTIdHlwZSUzRCUyMm1hdGhfbnVtYmVyJTIdIyJTIwaWQlM0QlMjI4NyU1RFpqJTId0RyU1RC4qJTdCdHJXYTAqQmh+JTIdIyJTNFJTNDZml1bGQlMjBuYW1lJTNEJTIyTlVNJTIdIyJTNFMFSUzQyUyRmZpZWxkJTNFJTNDJTJGc2hhZG93JTNEJTNdYmxvY2s1MjB0eXBlJTNEJTIyZ2V0X3ZhbHVlJTIdIyJTIwaWQlM0QlMjJN0SU0ME94JTJD0GdGMCUzQUHdbyUyNHhfdCUyQiklMjI1M0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJBVFRSJTIdIyJTNFdmFsJTNDJTJGZml1bGQlM0U1M0NmaWVsZCUyMG5hbWU1M0QlMjJPSUQlMjI1M0VqYXZhc2NyaXB0LjAuVGFnZXN2ZXJicmF1Y2g1M0MlMkZmaWVsZCUzRSUzQyUyRmJsb2NrJTNEJTNdJTJGdmFsdWU1M0U1M0N2Ywx1ZSUyMG5hbWU1M0QlMjJCJTIdIyJTNFJTNDc2hhZG93JTIdHlwZSUzRCUyMm1hdGhfbnVtYmVyJTIdIyJTIwaWQlM0QlMjJXJT

V CJT dCkWNQJT dEOTByLWpDNFAPJTQwUzFqJTIyJT NFJTNDZmllbGQlMjBuYw1lJTNEJTIyTlVNJT
IyJT NFMC4wMSUzQyUyRmZpZWxkJTNFJTNDJTJGc2hhZG93JT NFJTNDJTJGdmFsdWU lM0U lM0MlMk
ZibG9jayUzRSUzQyUyRnZhbHVlJT NFJTNDbmV4dCUzRSUzQ2Jsb2NrJT IwdHlwZSUzRCUyMnVwZG
F0ZSUyMiUyMGlkJTNEJTIyanI5Uk4lMkZIR0V VdmJKJTJDC2FzJTNEQWw lMjI lMjBpbm xpbmU lM0
QlMjJmYWxzZSUyMiUzRSUzQ2l1dGF0aW9uJTIWeG1sbnMlM0QlMjJodHRwJTNB JTJGJTJGd3d3Ln
czLm9yZyUyRjE50Tk lMkZ4aHRtbCUyMiUyMGRlbGF5X2lucHV0JTNEJTIyZmFsc2U lMjI lM0U lM0
MlMkZtdXRhdGlubiUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMk9JRCUyMiUzRWphdmFzY3JpcHQuMC
5HYXN6YWVobGVyc3RhbmQlM0MlMkZmaWVsZCUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMldJVEhfRE
VMQVklMjI lM0VGOUxTRSUzQyUyRmZpZWxkJTNFJTNDdmFsdWU lMjBuYw1lJTNEJTIyVkFMVUU lMj
I lM0U lM0NibG9jayUyMHR5cGU lM0QlMjJtYXR0X2FyaXRobWV0aWw lMjI lMjBpZCUzRCUyMiE4LU
lwcDdDclElNUQlM0QlM0R0S W5aV kQzJTIyJTIwaW5saW5lJTNEJTIyZmFsc2U lMjI lM0U lM0NmaW
VsZCUyMG5hbWU lM0QlMjJPUCUyMiUzRU FERCUzQyUyRmZpZWxkJTNFJTNDdmFsdWU lMjBuYw1lJT
NEJTIyQS UyMiUzRSUzQ3NoYWRvdyUyMHR5cGU lM0QlMjJtYXR0X25lbWJlciUyMiUyMGlkJTNEJT
IyJTNE M2NCJT IzZVpiLW0lN0JCQWJKX0pCJTNEJTI0JTIyJT NFJTNDZmllbGQlMjBuYw1lJTNEJT
IyTlVNJT IyJT NFMSUzQyUyRmZpZWxkJTNFJTNDJTJGc2hhZG93JT NFJTNDYmxvY2s lMjB0eXBlJT
NEJTIyZ2V0X3ZhbHVlJT IyJTIwaWQlM0QlMjIyJTJCbXpXKkw lNDA lNjA5aCU0MGQwUC0lMkMlMk
Y0RiUyMiUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMkFUVFI lMjI lM0V2YWw lM0MlMkZmaWVsZCUzRS
UzQ2ZpZWxkJTIwbmFtZSUzRCUyMk9JRCUyMiUzRWphdmFzY3JpcHQuMC5HYXN6YWVobGVyc3Rhbm
QlM0MlMkZmaWVsZCUzRSUzQyUyRmJsb2NrJT NFJTNDJTJGdmFsdWU lM0U lM0N2YWx1ZSUyMG5hbW
U lM0QlMjJCJT IyJT NFJTNDc2hhZG93JT IwdHlwZSUzRCUyMm1hdGhfbnVtYmVyJT IyJTIwaWQlM0
QlMjJxJTNBcDdGYXFzX2YlN0JSdkkxX0oueDI lMjI lM0U lM0NmaWVsZCUyMG5hbWU lM0QlMjJOVU
0lMjI lM0UwLjAxJTNDJTJGZmllbGQlM0U lM0MlMkZzaGFkb3clM0U lM0MlMkZ2YWx1ZSUzRSUzQy
UyRmJsb2NrJT NFJTNDJTJGdmFsdWU lM0U lM0MlMkZibG9jayUzRSUzQyUyRm5leHQlM0U lM0MlMk
ZibG9jayUzRSUzQyUyRnN0YXRlbWVudCUzRSUzQ25leHQlM0U lM0NibG9jayUyMHR5cGU lM0QlMj
JvbiUyMiUyMGlkJTNEJTIyNldvbXclNjBxbF95dSU3Qmk5biglMkYlM0YzLSUyMiUzRSUzQ2ZpZW
xkJTIwbmFtZSUzRCUyMk9JRCUyMiUzRWphdmFzY3JpcHQuMC5HYXN6YWVobGVyc3RhbmQlM0MlMk
ZmaWVsZCUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMkNPTkRjVElPTiUyMiUzRW5lJTNDJTJGZmllbG
QlM0U lM0NmaWVsZCUyMG5hbWU lM0QlMjJBQ0tfQ090RElUSU90JTIyJT NFJTNDJTJGZmllbGQlM0
U lM0NzdGF0ZWl1bnQlMjBuYw1lJTNEJTIyU1RBVEVNRU5UJT IyJT NFJTNDYmxvY2s lMjB0eXBlJT
NEJTIyY29tbWVudCUyMiUyMGlkJTNEJTIyVC0lMjQlMjRsJTJCUSFPa04lM0YUjTdCZCU3QmYzNF
klMjI lM0U lM0NmaWVsZCUyMG5hbWU lM0QlMjJDT01NRU5UJT IyJT NFbSVDMiVCMYUyMHglMjBadX
N0YW5kc3phaGw lMjB4JT IwQnJlbn53ZXJ0JTNDJTJGZmllbGQlM0U lM0NuZXh0JT NFJTNDYmxvY2
s lMjB0eXBlJTNEJTIydXBkYXRlJT IyJTIwaWQlM0QlMjIpbY0lM0FnMkpPJTQwbVclN0N0UEMlMk
NfLWdhJT IyJTIwaW5saW5lJTNEJTIyZmFsc2U lMjI lM0U lM0NtdXRhdGlubiUyMHhtbG5zJTNEJT
IyaHR0cCUzQS UyRiUyRnd3dy53My5vcmc lMkYx0Tk5JTJGeGh0bWw lMjI lMjBkZWxheV9pb nBl dC
UzRCUyMmZhbH NlJT IyJT NFJTNDJTJGbXV0YXRpb24lM0U lM0NmaWVsZCUyMG5hbWU lM0QlMjJP SU
QlMjI lM0VqYXZhc2NyaXB0LjAuR2FzemFlaGxlc nN0YW5ka1doJTNDJTJGZmllbGQlM0U lM0NmaW
VsZCUyMG5hbWU lM0QlMjJXS VRIX0RFTEFZJT IyJT NFrkFMU0U lM0MlMkZmaWVsZCUzRSUzQ3ZhbH
VlJT IwbmFtZSUzRCUyMlZBTfVfJT IyJT NFJTNDYmxvY2s lMjB0eXBlJTNEJTIybWF0aF9yb mRmaX
hlZCUyMiUyMGlkJTNEJTIyazBLJT dDSElUVyU3Q3BWZGYtZyo lMkNYN0glMjI lM0U lM0NmaWVsZC
UyMG5hbWU lM0QlMjJuJT IyJT NFMyUzQyUyRmZpZWxkJTNFJTNDdmFsdWU lMjBuYw1lJTNEJTIyeC
UyMiUzRSUzQ3NoYWRvdyUyMHR5cGU lM0QlMjJtYXR0X25lbWJlciUyMiUyMGlkJTNEJTIyVCU0ME
M5JT dEVyUyNVJqMzN2RWpnTndaciU3QiUyMiUzRSUzQ2ZpZWxkJTIwbmFtZSUzRCUyMk5VTSUyMi
UzRTMuMT IzNCUzQyUyRmZpZWxkJTNFJTNDJTJGc2hhZG93JT NFJTNDYmxvY2s lMjB0eXBlJTNEJT
IybWF0aF9hcm l0aG1ldGljJT IyJTIwaWQlM0QlMjI lNjBUSiUzQVhfIXhmWmdjcSU1QiUzQk5JT3
5NJTIyJTIwaW5saW5lJTNEJTIyZmFsc2U lMjI lM0U lM0NmaWVsZCUyMG5hbWU lM0QlMjJPUCUyMi
UzRU1VTFRJUEXZJTNDJTJGZmllbGQlM0U lM0N2YWx1ZSUyMG5hbWU lM0QlMjJB JT IyJT NFJTNDc2
hhZG93JT IwdHlwZSUzRCUyMm1hdGhfbnVtYmVyJT IyJTIwaWQlM0QlMjJtTFQlN0NpJT dCR2U lN0
I lMjRQqMlM0QyQ2xqeUglMjI lM0U lM0NmaWVsZCUyMG5hbWU lM0QlMjJOVU0lMjI lM0UxJTNDJT
JGZmllbGQlM0U lM0MlMkZzaGFkb3clM0U lM0NibG9jayUyMHR5cGU lM0QlMjJtYXR0X2FyaXRobW
V0aWw lMjI lMjBpZCUzRCUyMldldCUzRGdVRkQlMjU0aDNGJTDcSDJxZSquJT IyJTIwaW5saW5lJT

NEJTIyZmFsc2UlmjIIM0Ulm0NmaWVsZCUyMG5hbWUlm0QlMjJPUCUyMiUzRU1VFRJUEXZJTNDJTJGZmllbGQlM0Ulm0N2YWx1ZSUyMG5hbWUlm0QlMjJBjTIyJTJNFJTNDc2hhZG93JTIwdHlwZSUzRCUyMm1hdGhfbnVtYmVyJTIIyJTIwaWQlM0QlMjJYeTIlNjB0cCpleiUyM3UlnUVwJTNCJTQwcZJEKU0lMjIIM0Ulm0NmaWVsZCUyMG5hbWUlm0QlMjJ0VU0lMjIIM0UxJTNDJTJGZmllbGQlM0Ulm0MlMkZzaGFkb3clM0Ulm0NibG9jayUyMHR5cGUlM0QlMjJvbl9zb3VyY2UlmjIIMjBpZCUzRCUyMmJlJTJGGeW0lMCUyNSUyQ0thZXZwSDZFTVCKjMlMjIIM0Ulm0NmaWVsZCUyMG5hbWUlm0QlMjJBVFRSJTIIyJTJNFc3RhdGUudmFsJTNDJTJGZmllbGQlM0Ulm0MlMkZibG9jayUzRSUzQyUyRnZhbHVlJTJNFJTNDdmFsdWUlmjBuYW1lJTNEJTIyQiUyMiUzRSUzQ3NoYWVrdyUyMHR5cGUlM0QlMjJtYXR0X251bWJlciUyMiUyMGlkJTNEJTIyMTduNDRzb2gtTUMubEItUHQlMjUlmjVoJTIIyJTJNFJTNDZmllbGQlMjBuYW1lJTNEJTIyTlVNJTIIyJTJNFMC45NjEzJTNDJTJGZmllbGQlM0Ulm0MlMkZzaGFkb3clM0Ulm0MlMkZ2YWx1ZSUzRSUzQyUyRmJsb2NrJTJNFJTNDJTJGdmFsdWUlm0Ulm0N2YWx1ZSUyMG5hbWUlm0QlMjJCJTIIyJTJNFJTNDc2hhZG93JTIwdHlwZSUzRCUyMm1hdGhfbnVtYmVyJTIIyJTIwaWQlM0QlMjJDJdTdEZ0hPJTVEJTVCMGQlN0R+aiU0MCU1QnQ2LLZnWCUyMiUzRSUzQ2ZpZWxkJTIIwbmFtZSUzRCUyMk5VTSUyMiUzRTkuODY2JTNDJTJGZmllbGQlM0Ulm0MlMkZzaGFkb3clM0Ulm0MlMkZ2YWx1ZSUzRSUzQyUyRmJsb2NrJTJNFJTNDJTJGdmFsdWUlm0Ulm0MlMkZibG9jayUzRSUzQyUyRnZhbHVlJTJNFJTNDJTJGYmxvY2slM0Ulm0MlMkZuZXh0JTJNFJTNDJTJGYmxvY2slM0Ulm0MlMkZzdGF0ZW1lbnQlM0Ulm0MlMkZibG9jayUzRSUzQyUyRm5leHQlM0Ulm0MlMkZibG9jayUzRSUzQyUyRm5leHQlM0Ulm0MlMkZibG9jayUzRSUzQyUyRm5leHQlM0Ulm0MlMkZibG9jayUzRSUzQyUyRm5leHQlM0Ulm0MlMkZibG9jayUzRSUzQyUyRnhtbCUzRQ==

InfluxDB

Instanzeinstellungen: influxdb.0

v3.2.0

warn

DB SETTINGS

STANDARDEINSTELLUNGEN

EXPERTENEINSTELLUNGEN

DB-Version

1.x

Protokoll

http

Server

localhost

Port

8086

Benutzer

admin

Passwort

Passwort (wiederholen)

DB Name

iobroker

Request Timeout

30000

Millisekunden

Runden Sie bei der Abfrage die Zahlen auf

4

☒ Protokollieren Sie den letzten Wert erneut beim Start

Schreibaktionen zusammenfassen

0

Schreibintervall

60

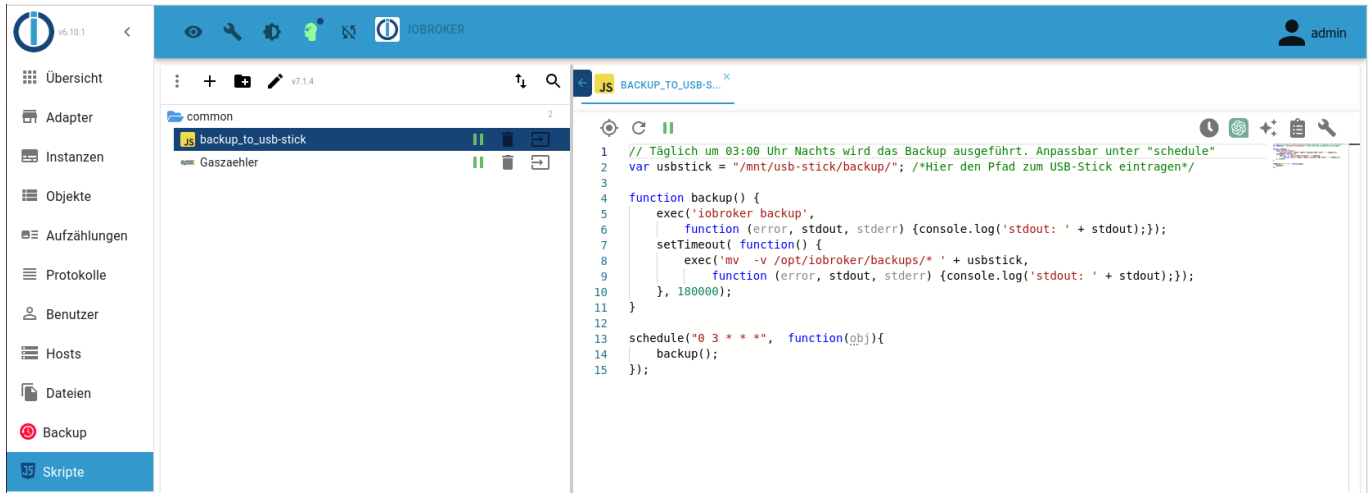
Sekunden

Wert 0 schreibt Werte direkt

DIE VERBINDUNG ZUM SERVER TESTEN

ALLE DATEN IN DATENBANK LÖSCHEN

Backup durch Script



```

// Täglich um 03:00 Uhr Nachts wird das Backup ausgeführt. Anpassbar unter
"schedule"
var usbstick = "/mnt/usb-stick/backup/"; /*Hier den Pfad zum USB-Stick
eintragen*/

function backup() {
    exec('iobroker backup',
        function (error, stdout, stderr) {console.log('stdout: ' +
stdout)});
    setTimeout( function() {
        exec('mv -v /opt/iobroker/backups/* ' + usbstick,
            function (error, stdout, stderr) {console.log('stdout: ' +
stdout)});
    }, 180000);
}

schedule("0 3 * * *", function(obj){
    backup();
});

```

Update und Bugfixing

```

iobroker stop
iobroker update
iobroker fix
# oder curl -sL https://iobroker.net/fix.sh | bash -
iobroker upgrade self
iobroker start

```

From:
<https://von-thuelen.de/> - Christophs DokuWiki

Permanent link:
<https://von-thuelen.de/doku.php/wiki/projekte/iobroker/uebersicht?rev=1698265010>

Last update: 2023/10/25 20:16



