Server software installeren (Raspberry pi)

sudo apt install dnsmasq hostapd

sudo systemctl stop dnsmasq

sudo systemctl stop hostapd

sudo nano /etc/dhcpcd.conf

interface wlan0

static ip\_address=192.168.2.1/24

nohook wpa\_supplicant

sudo service dhcpcd restart

sudo nano /etc/dnsmasq.conf

interface=wlan0

dhcp-range=192.168.2.2,192.168.2.100,255.255.255.0,24h

sudo systemctl start dnsmasq

sudo nano /etc/hostapd/hostapd.conf

interface=wlan0

driver=nl80211

ssid=datalogger

hw\_mode=g

channel=7

wmm\_enabled=0

macaddr\_acl=0

auth\_algs=1

ignore\_broadcast\_ssid=0

wpa=2

wpa\_passphrase=datalogger

wpa\_key\_mgmt=WPA-PSK

wpa\_pairwise=TKIP

rsn\_pairwise=CCMP

sudo nano /etc/default/hostapd

DAEMON\_CONF="/etc/hostapd/hostapd.conf"

sudo systemctl unmask hostapd

sudo systemctl enable hostapd

sudo systemctl start hostapd

sudo wget -qO /etc/apt/trusted.gpg.d/php.gpg <https://packages.sury.org/php/apt.gpg>

echo "deb https://packages.sury.org/php/ $(lsb\_release -sc) main" | sudo tee /etc/apt/sources.list.d/php.list

sudo apt update

sudo apt install -y php8.1-common php8.1-cli

sudo apt install -y php8.1-curl php8.1-gd php8.1-mbstring php8.1-xml php8.1-zip php8.1-mysql

sudo apt install nginx

sudo nano /etc/nginx/sites-available/default

server {

listen 80;

listen [::]:80;

server\_name example.com;

root /srv/example.com/public;

add\_header X-Frame-Options "SAMEORIGIN";

add\_header X-Content-Type-Options "nosniff";

index index.php;

charset utf-8;

location / {

try\_files $uri $uri/ /index.php?$query\_string;

}

location = /favicon.ico { access\_log off; log\_not\_found off; }

location = /robots.txt { access\_log off; log\_not\_found off; }

error\_page 404 /index.php;

location ~ \.php$ {

fastcgi\_pass unix:/var/run/php/php8.0-fpm.sock;

fastcgi\_param SCRIPT\_FILENAME $realpath\_root$fastcgi\_script\_name;

include fastcgi\_params;

}

location ~ /\.(?!well-known).\* {

deny all;

}

}

Sudo apt install mariadb-server

Sudo mysql -uroot

GRANT ALL PRIVILEGES on \*.\* TO 'root'@'%' IDENTIFIED BY ‘root';

CREATE USER ‘datalogger’ IDENTIFIED BY ‘datalogger’;

GRANT ALL ON \*.\* TO ‘datalogger’@’%;

FLUSH PRIVILEGES.

CREATE DATABASE datalogger;

Cd /var/www/html

Git clone <https://github.com/Sotware-Engineering-Datalogger/Datalogger>

Cd Datalogger/server-backend

Composer install

Cp .env.example .env

Php artisan migrate

Php artisan db:seed