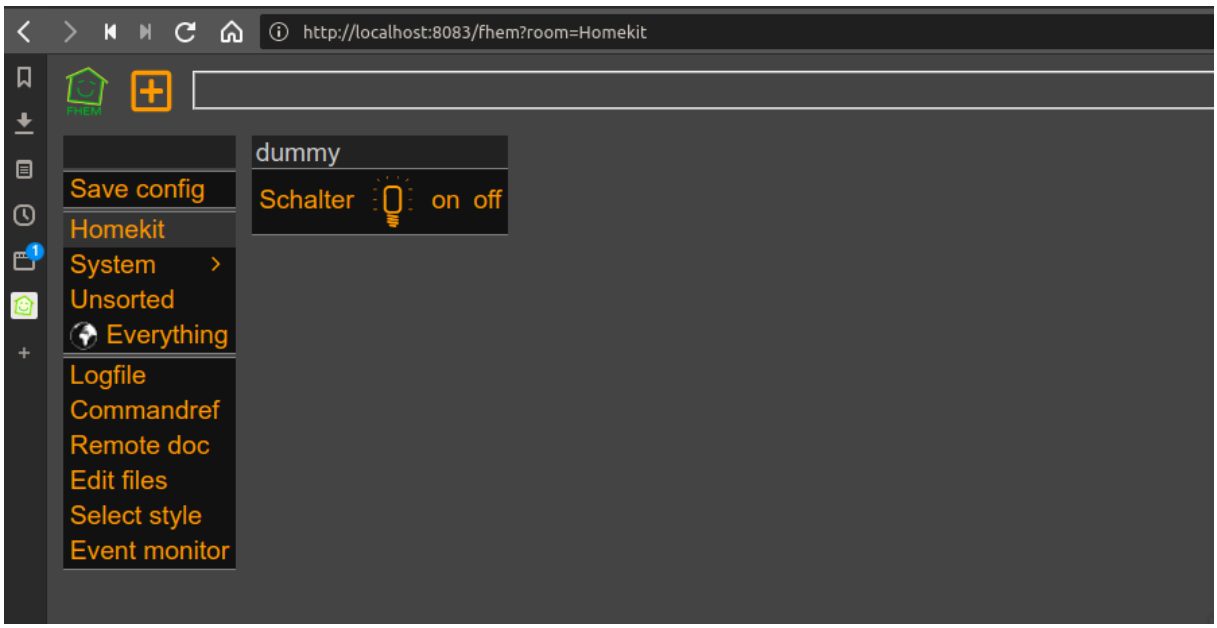
Home Automation Stack



The stack contains everything to run FHEM on a Docker host. Mosquitto is used as message broker. SIRI functions are realized with the help of a homebridge container. The complete stack runs on x86 as well as arm architectures. It is very easy to clone its complete productive environment and has a simple way to build a test system.

Todo

- deCONZ Image Container Integration
- DBLog Integration

Requirements

- docker
- docker-compose

Installation raspberrypi

System Update

```
sudo apt-get update
sudo apt-get upgrade
```

Raspberry Config

```
sudo raspi-config
sudo reboot
```

Intall additional packages

```
sudo apt-get install wget git apt-transport-https vim telnet
```

Install docker

```
curl -sSL https://get.docker.com | sh
sudo systemctl enable docker
sudo systemctl start docker
sudo usermod -aG docker pi
```

git repository export

```
cd
git clone https://github.com/stormmurdoc/fhemdocker.git
cd fhemdocker
```

Installation docker compose

```
sudo apt-get install python-pip
sudo pip install docker-compose
```

Start all container

```
docker-compose up
```

Container

Tasmota Admin

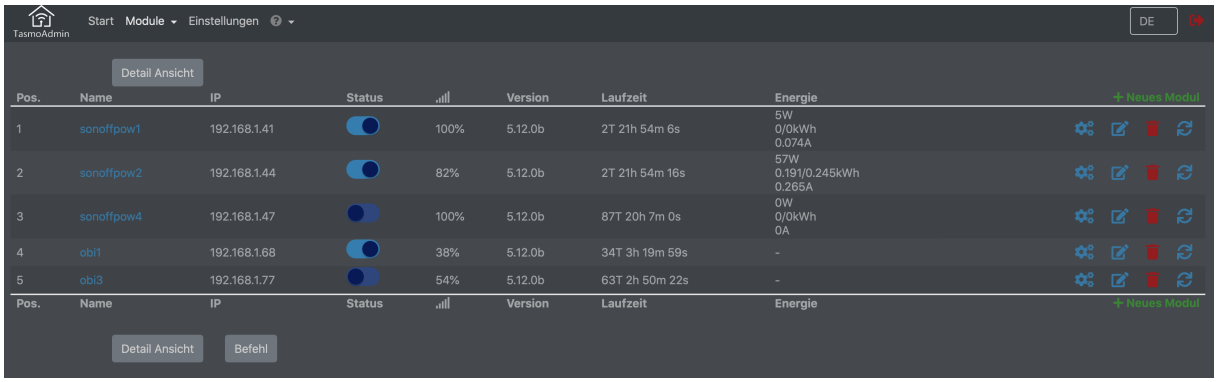


Abbildung 1: “tasmotaadmin”

Tasmota Compiler

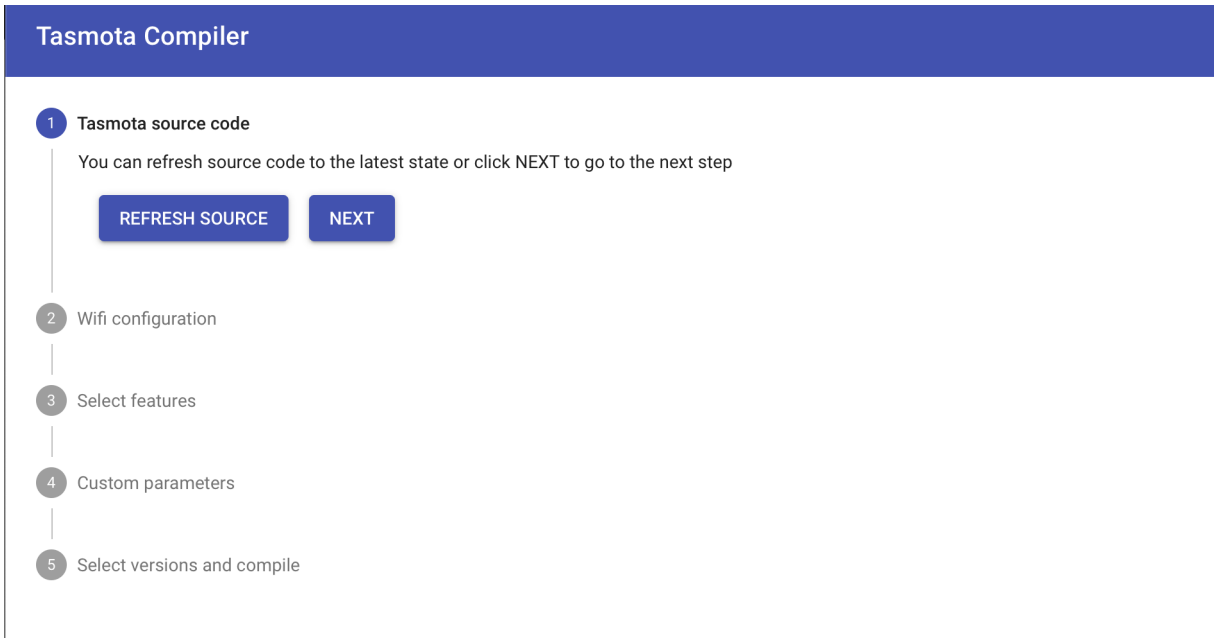


Abbildung 2: “tasmotacompiler”

Homebridge

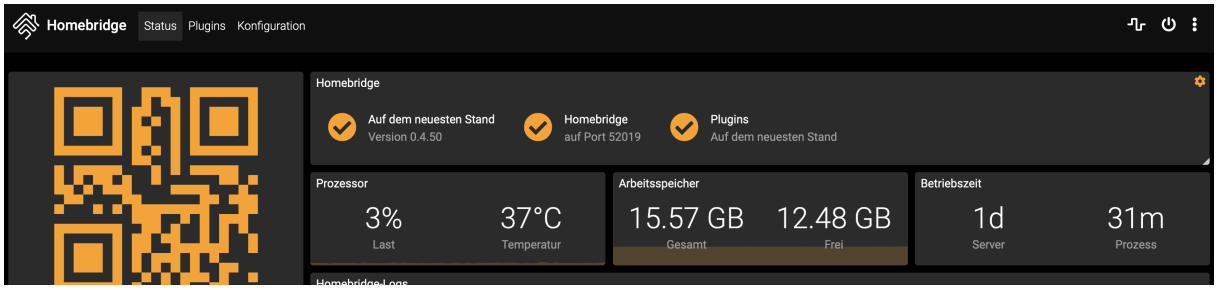


Abbildung 3: “homebridge”

Portainer

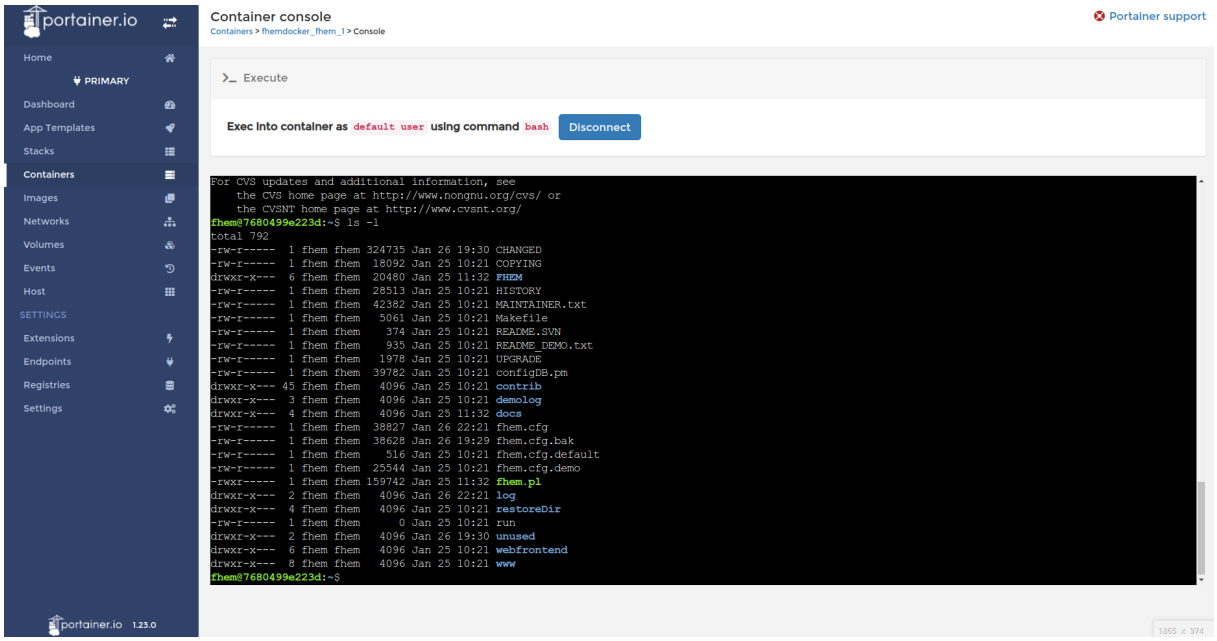


Abbildung 4: “portainer”

ctop

Description

ctop is a commandline monitoring tool for linux containers

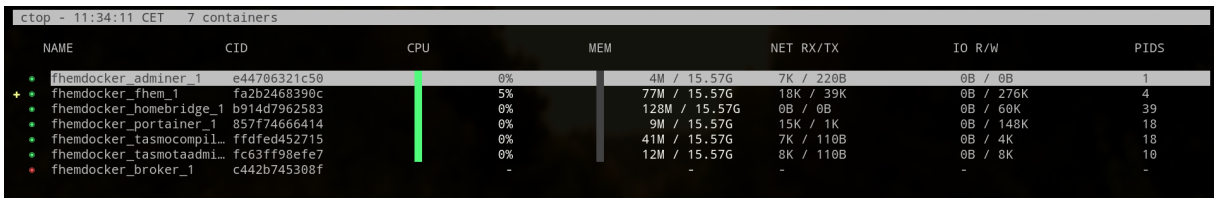


Abbildung 5: “ctop”

Installation

ctop is available in AUR, so you can install it using AUR helpers, such as YaY, in Arch Linux and its variants such as Antergos and Manjaro Linux.

Installation Linux

```
1   sudo wget https://github.com/bcicen/ctop/releases/download/v0.7.3/
       ctop-0.7.3-linux-amd64 -O /usr/local/bin/ctop
2   sudo chmod +x /usr/local/bin/ctop
```