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

```
1 sudo apt-get update
2 sudo apt-get upgrade
```

Raspberry Config

```
1 sudo raspi-config
2 sudo reboot
```

Intall additional packages

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

Install docker

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

git repository export

```
1 cd
```

- git clone https://github.com/stormmurdoc/fhemdocker.git
- 3 cd fhemdocker

Installation docker compose

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

ctop

Description

ctop is a commandline monitoring tool for linux containers



Abbildung 1: "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.