## 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
```

**ctop**

**Description**

ctop is a commandline monitoring tool for linux containers

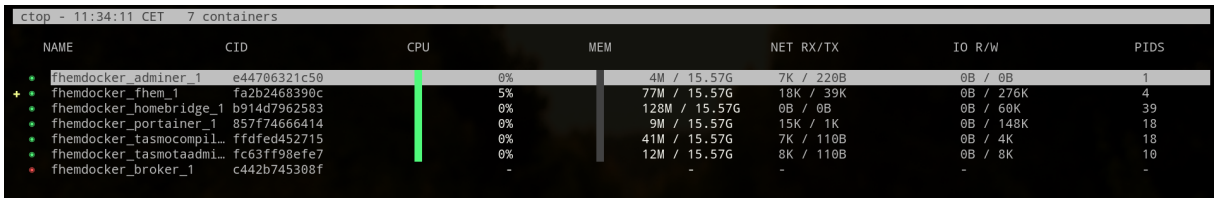


**Abbildung 1:** “ctop”

**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.

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