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## Home Automation Stack

### Requirements

- docker
- docker-compose

### Installation raspberrypi

```
1  sudo apt-get update
2  sudo apt-get upgrade
3
4  sudo raspi-config
5  sudo reboot
6
7  sudo apt-get install wget git apt-transport-https vim telnet
8
9  curl -sSL https://get.docker.com | sh
10 sudo systemctl enable docker
11 sudo systemctl start docker
12 sudo usermod -aG docker pi
13
14 cd
15 git clone -b raspbian https://github.com/klein0r/fhem-docker.git fhem
16   -docker
17 cd fhem-docker
18
19 sudo apt-get install python-pip
20 sudo pip install docker-compose
```

### ctop

#### Description

ctop is a commandline monitoring tool for linux containers

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```
ctop - 11:34:11 CET 7 containers
```

NAME	CID	CPU	MEM	NET RX/TX	IO R/W	PIDS
• fhemdocker_adminer_1	e44706321c50	0%	4M / 15.57G	7K / 220B	0B / 0B	1
+ • fhemdocker_fhem_1	fa2b2468390c	5%	77M / 15.57G	18K / 39K	0B / 276K	4
• fhemdocker_homebridge_1	b914d7962583	0%	128M / 15.57G	0B / 0B	0B / 60K	39
• fhemdocker_portainer_1	857f74666414	0%	9M / 15.57G	15K / 1K	0B / 148K	18
• fhemdocker_tasmocompil...	ffdfed452715	0%	41M / 15.57G	7K / 110B	0B / 4K	18
• fhemdocker_tasmotaadmi...	fc63ff98efe7	0%	12M / 15.57G	8K / 110B	0B / 8K	10
• fhemdocker_broker_1	c442b745308f	-	-	-	-	-

**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.