

Home Assistant Tips'n'Tricks



Most of this stuff is outdated - and I have become a somewhat wiser man (on Home Assistant). Do use [Docker](#) instead of the installation process below etc.

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Custom Installation

Upgrade the Home Assistant installation

On my Ubuntu (See <https://www.home-assistant.io/docs/installation/virtualenv/>)

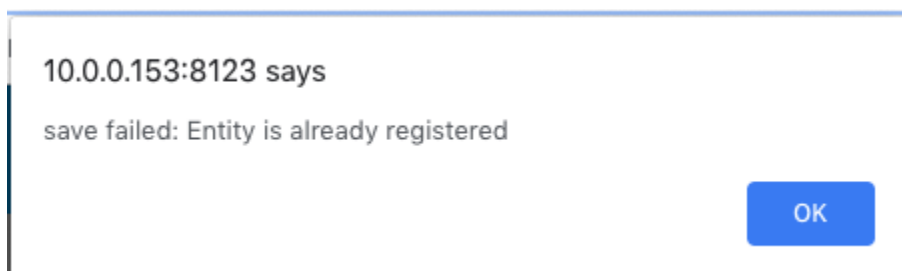
```
sudo su -s /bin/bash homeassistant
source /srv/homeassistant/bin/activate
pip3 install --upgrade homeassistant
```

Update pyatv

```
sudo su -s /bin/bash homeassistant
source /srv/homeassistant/bin/activate
pip3 install --upgrade pyatv
```

Renaming Devices etc

As stupid as it is, You cant rename via the GUI - this will give:



The trick is to edit the file `core.entity_registry`

```
cd .storage
vi core.entity_registry
```

Change:

```
{
    "config_entry_id": null,
    "device_id": null,
    "disabled_by": null,
    "entity_id": "remote.sovevrelse",
    "name": "null",
    "platform": "apple_tv",
    "unique_id": "9465bb10bf1214d769bd2aca8377aaa5203e09ae3ea4a353a02d80e3e71e149c"
}
```

to

```
{
    "config_entry_id": null,
    "device_id": null,
    "disabled_by": null,
    "entity_id": "remote.sovevrelse",
    "name": "Apple TV Soveværelse Remote",
    "platform": "apple_tv",
    "unique_id": "9465bb10bf1214d769bd2aca8377aaa5203e09ae3ea4a353a02d80e3e71e149c"
}
```

And restart Home Assistant

ZenseHome Office Light

See more at [ZenseHome API interfacing](#)

```
switch:
  platform: command_line
  switches:
    office_light:
      command_on: /var/turnon-office.exp
      command_off: /var/turnoff-office.exp
      friendly_name: Office Lights
    kitchen_light:
      command_on: /var/turnon-kitchen.exp
      command_off: /var/turnoff-kitchen.exp
      friendly_name: Kitchen Lights
```

Adding HIK/Trendnet Cams



Some discussion on Reddit [here](#)

Install ffmpeg on Linux

```
apt-get install ffmpeg
```

Add som config (see <https://www.home-assistant.io/components/ffmpeg/>):

Still

```
ffmpeg:
  ffmpeg_bin: /usr/bin/ffmpeg

camera 41:
- platform: generic
  still_image_url: http://admin:*****@10.0.0.140:80/PSIA/Streaming/channels/1/picture
  name: Bag hus

- platform: generic
  still_image_url: http://admin:*****@10.0.0.130:80/PSIA/Streaming/channels/1/picture
  name: Fordør
```

Stream

```
ffmpeg:
  ffmpeg_bin: /usr/bin/ffmpeg

camera:
- platform: ffmpeg
  input: rtsp://admin:*****@10.0.0.140:554/Streaming/Channels/1
  name: Bag hus (stream)

- platform: ffmpeg
  input: rtsp://admin:*****@10.0.0.130:554/Streaming/Channels/1
  name: Fordør (stream)
```

NMap

```
apt-get install nmap
sudo setcap cap_net_raw,cap_net_admin,cap_net_bind_service+eip
sudo setcap cap_net_raw,cap_net_admin,cap_net_bind_service+eip /usr/bin/nmap
```

```
device_tracker:
- platform: nmap_tracker
  hosts: 10.0.0.0/24
```

Sony Songpal discover

songpal discover

```
Found SRS-X77 - MINT1.9.1
* API version: 1.0
* Endpoint: http://10.0.0.114:54480/sony
* Services:
  - Service: guide
  - Service: audio
  - Service: avContent
  - Service: system
Found STR-DN1060 - STR-2015
* API version: 1.0
* Endpoint: http://10.0.0.120:10000/sony
* Services:
  - Service: guide
  - Service: system
  - Service: audio
  - Service: avContent
```

Plex

Getting the TOKEN:

```
root@robin:~/homeassistant# curl -X "POST" "https://plex.tv/users/sign_in.json" \
>   -H "X-Plex-Version: 1.0.0" \
>   -H "X-Plex-Product: Home Automation" \
>   -H "X-Plex-Client-Identifier: NPN" \
>   -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
>   --data-urlencode "user[password]=*****" \
>   --data-urlencode "user[login]=bnp@mos-eisley.dk"
{"user":{"id":*****,"uuid":*****,"email":"bnp@mos-eisley.dk","joined_at":"2015-10-16T13:37:33Z","
username":"bnp@mos-eisley.dk","title":"bnp@mos-eisley.dk","thumb":"https://plex.tv/users/*****/avatar?
c=*****","hasPassword":true,"authToken":*****,"authentication_token":*****,"subscription":
{"active":false,"status":"Inactive","plan":null,"features":["adaptive_bitrate","collections","photos-metadata-
edition","radio","photos-favorites","federated-auth","Android - PiP","publishing_platform","news","kevin-
bacon","client-radio-stations","TREBLE-show-features","web_server_dashboard","conan_redirect_qa","
conan_redirect_alpha","conan_redirect_beta","conan_redirect_public","news_local_now","transcoder_cache","artist-
tv"]},"roles":{"roles":[]},"entitlements":[],"confirmedAt":"2015-10-16T13:40:18Z","forumId":null,"rememberMe":
false}}
```

Add it to

plex.conf

```
{
  "10.0.0.150:32400": {
    "ssl": false,
    "token": "*****",
    "verify": true
  }
}
```

BitBucket

For Backup and change tracking, I use BitBucket.

<https://bitbucket.org/moseiseydk/home-assistant/src/master/>

Links

<https://diyfuturism.com/index.php/2017/11/26/presence-detection-with-home-assistant-bayesian-probability/>

https://www.reddit.com/r/homeassistant/comments/57arhl/multiple_device_trackers_aggregation/

MQTT

Start a MQTT Docker instance

```
docker run --init --restart on-failure --name mqtt --restart=always --net=host -p 1883:1883 -d ani/mosquitto
```