

<https://github.com/zigbee2mqtt/hassio-zigbee2mqtt>

# Instalación

## Docker Supervised

<https://www.home-assistant.io/installation/linux#install-home-assistant-supervised>

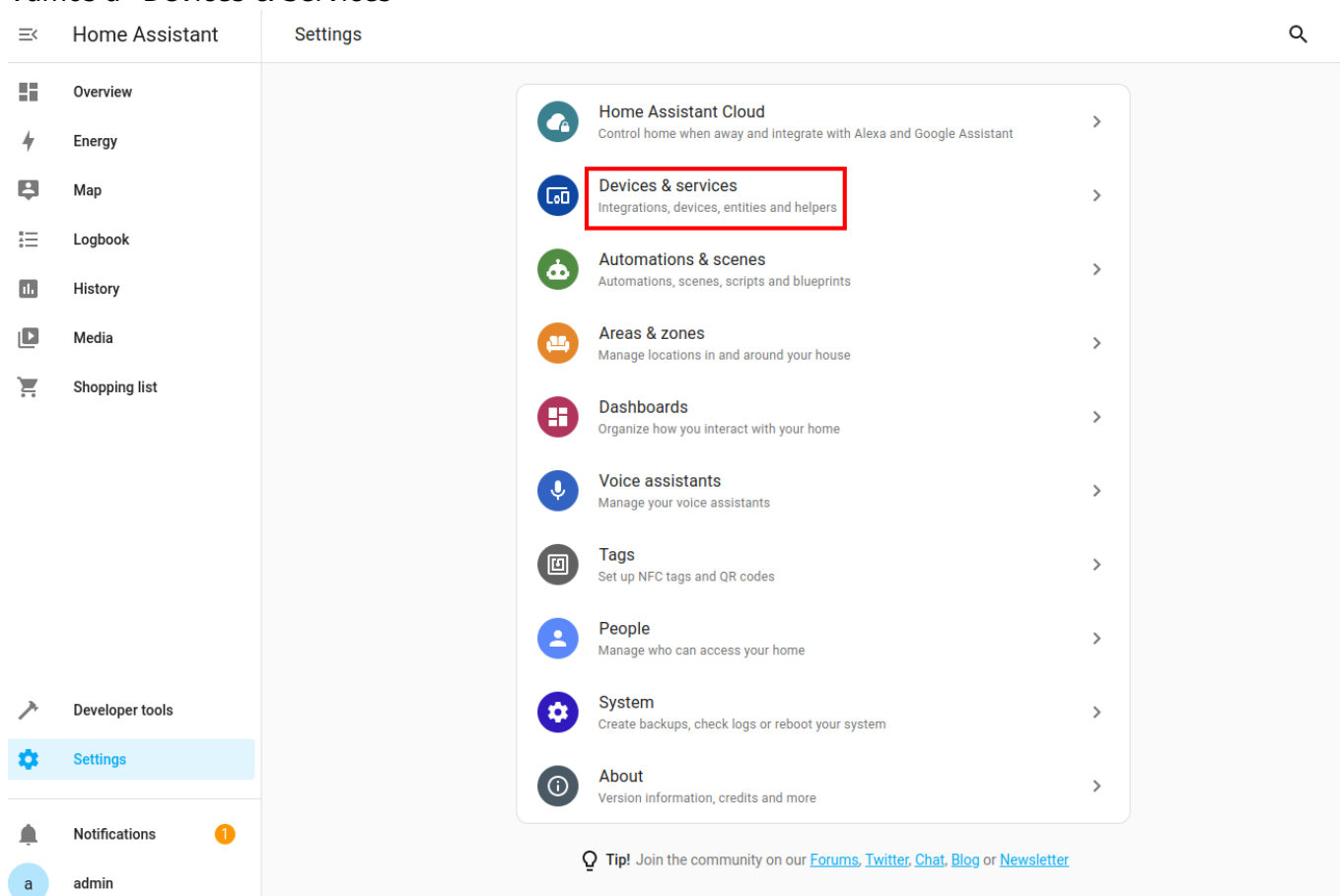
No está soportada para Raspian, solo para Debian

## Docker

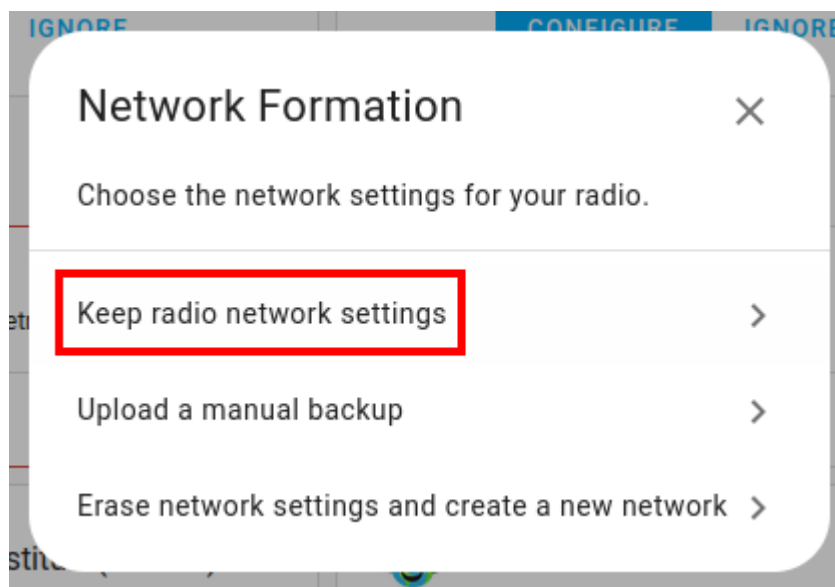
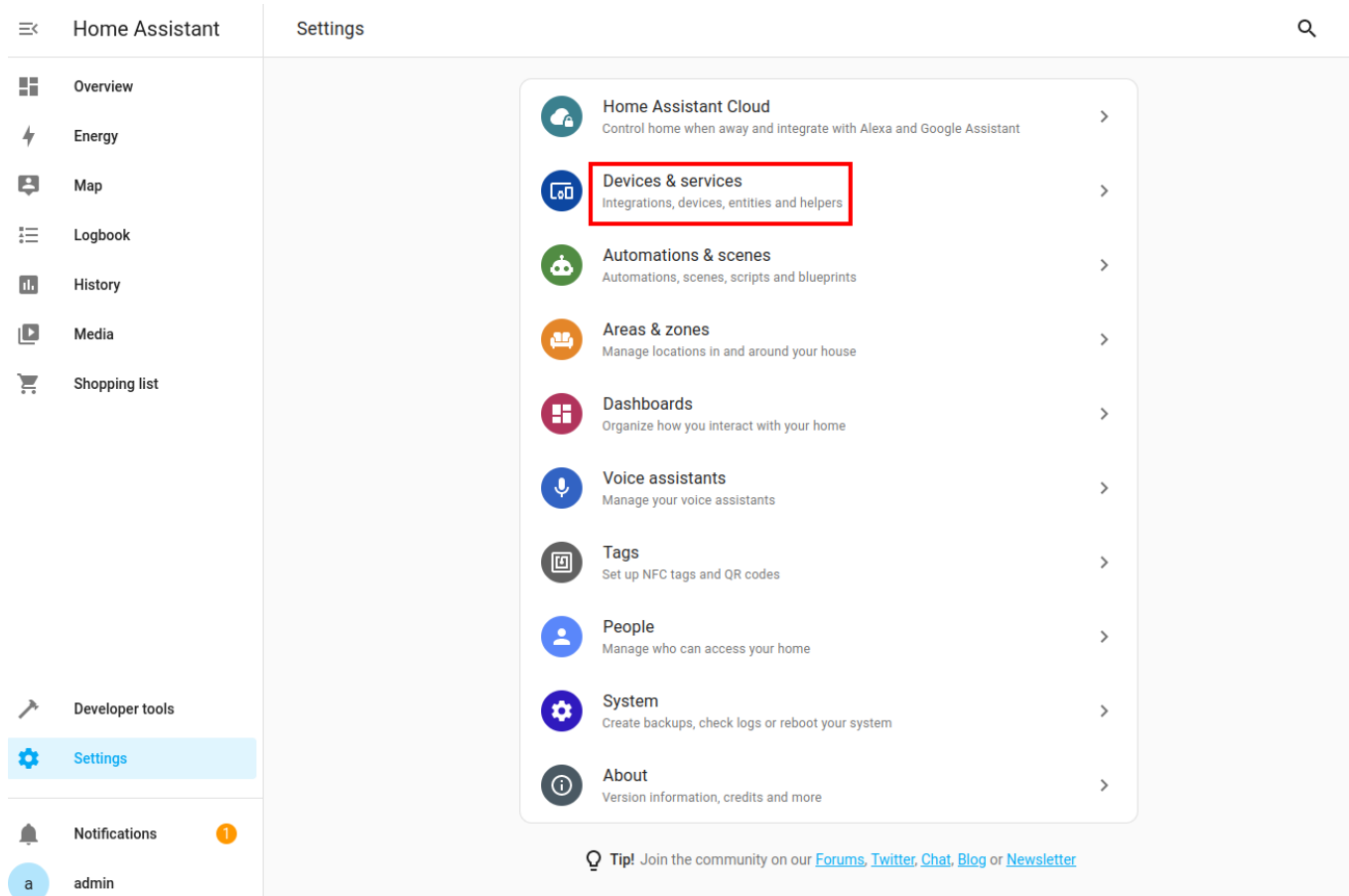
Mapeamos con /dev/ttyACM0 el dispositivo Zigbee USB, en nuestro caso el "Conbee II"

```
docker run -d --device /dev/ttyACM0:/dev/ttyACM0 --name homeassistant --privileged --restart=unless-stopped -e TZ="Europe/Madrid" -v /home/ruth/homeassistant:/config --network=host ghcr.io/home-assistant/home-assistant:stable
```

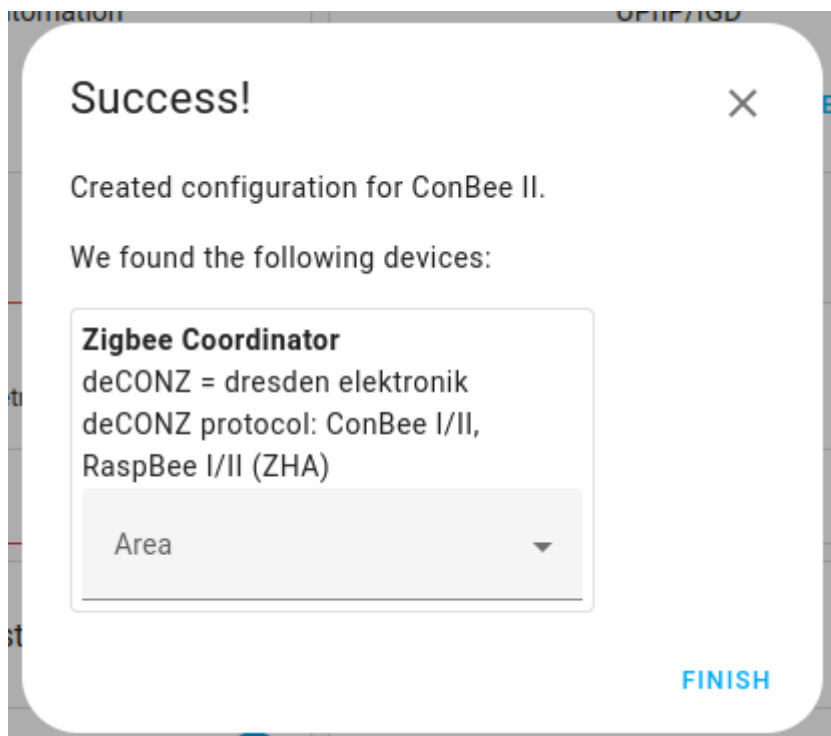
Vamos a "Devices & Services"



Y seleccionamos ConBee II para configurarlo

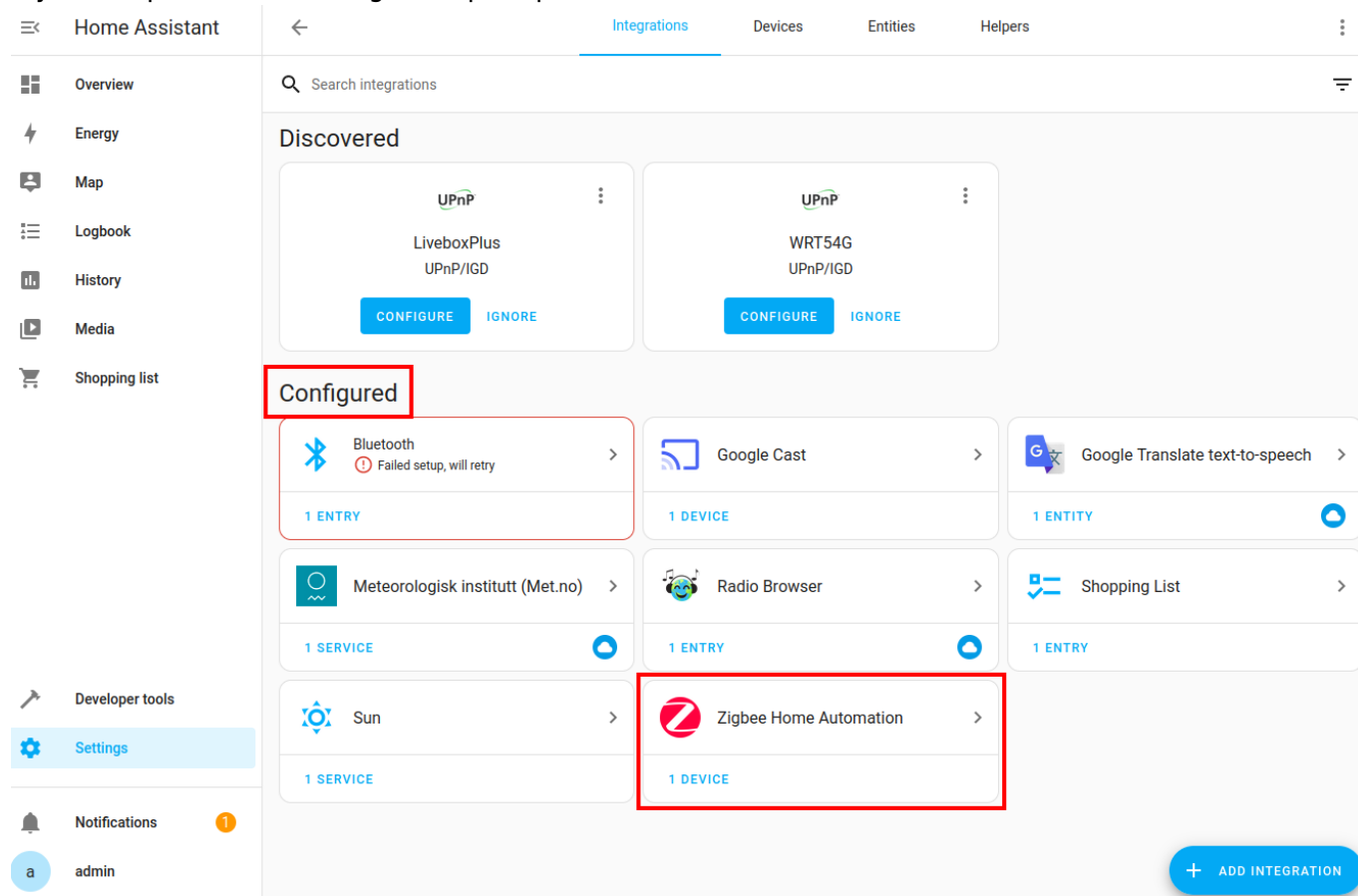


Seleccionamos "Keep radio Settings"



Aparece Success

Y ya nos aparece en "Configured" para poder usarla



## Docker Antiguo

Fuente: <https://github.com/home-assistant/supervised-installer>

Instalamos raspbian

```
sudo dd if=2021-01-11-raspbian-buster-armhf-lite.img of=/dev/mmcblk0 bs=4M && sync
```

## Habilitar wifi

```
rootfs/etc/wpa_supplicant/wpa_supplicant.conf
```

```
country=ES
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev
update_config=1

network={
    scan_ssid=1
    ssid="<mi_red_wifi>"
    psk="<mi_contraseña_wifi>"
    key_mgmt=WPA-PSK
}
```

## IP fija

En la partición rootfs editamos el fichero:

```
rootfs/etc/dhcpd.conf
```

Depende si queremos editar wifi o cable ponemos eth0 o wlan0. Por ejemplo, poner por wifi la ip 192.168.1.191

```
interface wlan0
static ip_address=192.168.1.191/24
static routers=192.168.1.1
static domain_name_servers=192.168.1.1
```

## Habilitar SSH

Creamos un fichero que se llame ssh en la partición boot. Da igual que esté vacío. Podemos hacer:

```
touch boot/ssh
```

## Instalación de Docker

Como root

```
curl -sSL https://get.docker.com | sh
```

```
apt-get install -y apparmor-utils apt-transport-https avahi-daemon ca-  
certificates curl dbus jq network-manager socat software-properties-common  
curl -Lo installer.sh  
https://raw.githubusercontent.com/home-assistant/supervised-installer/master  
/installer.sh  
bash installer.sh --machine raspberrypi4
```

Adicionalmente metemos al usuario pi para que pueda ejecutar docker:

```
usermod -aG docker pi
```

## Imagen Core Home Assistant

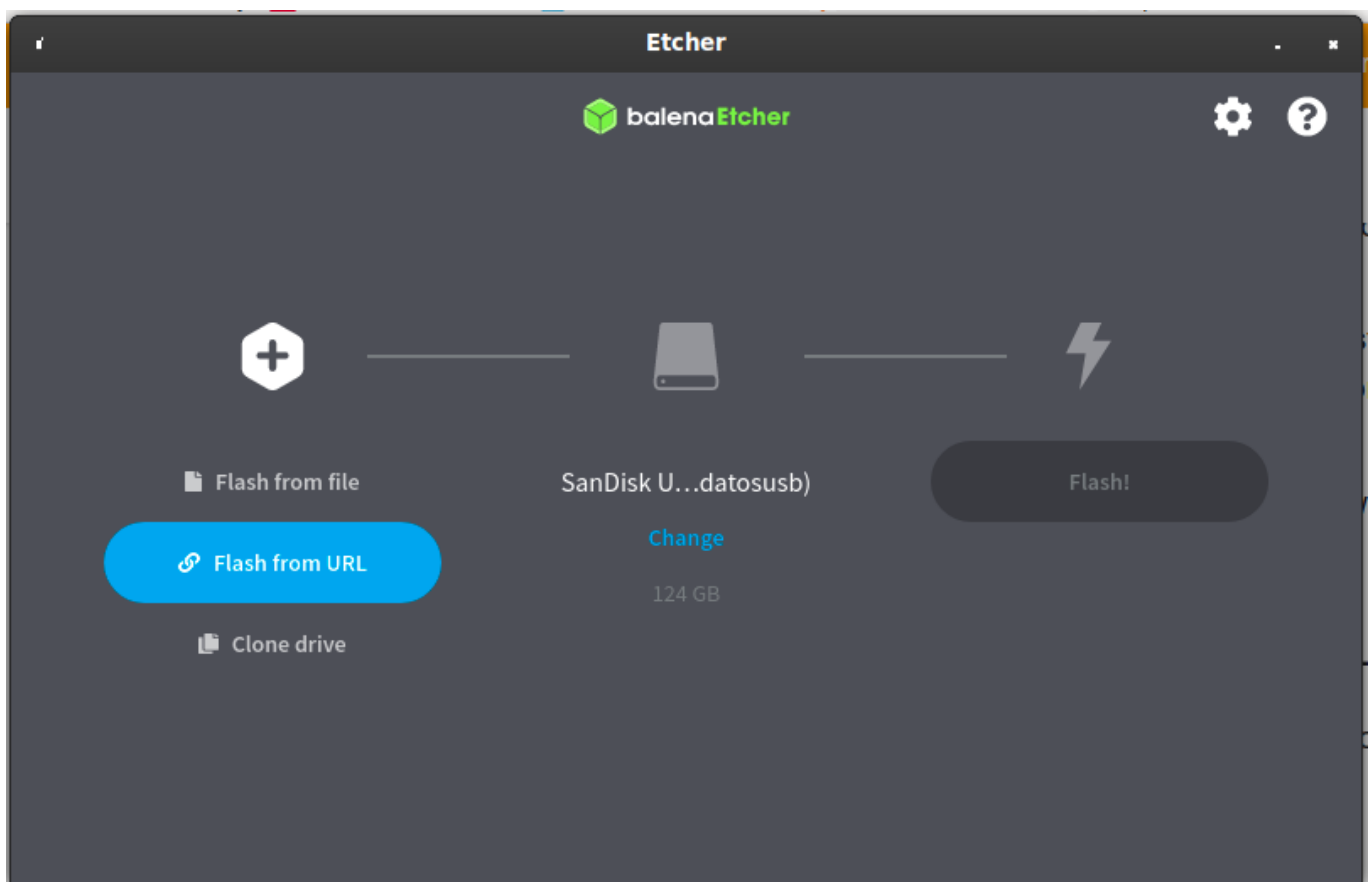
Fuente: <https://www.home-assistant.io/installation/raspberrypi>

Nos descargamos Balena\_Etcher desde el enlace: <https://www.balena.io/etcher>

Lo descomprimos y lo ejecutamos:

```
./balenaEtcher-1.5.116-x64.AppImage
```

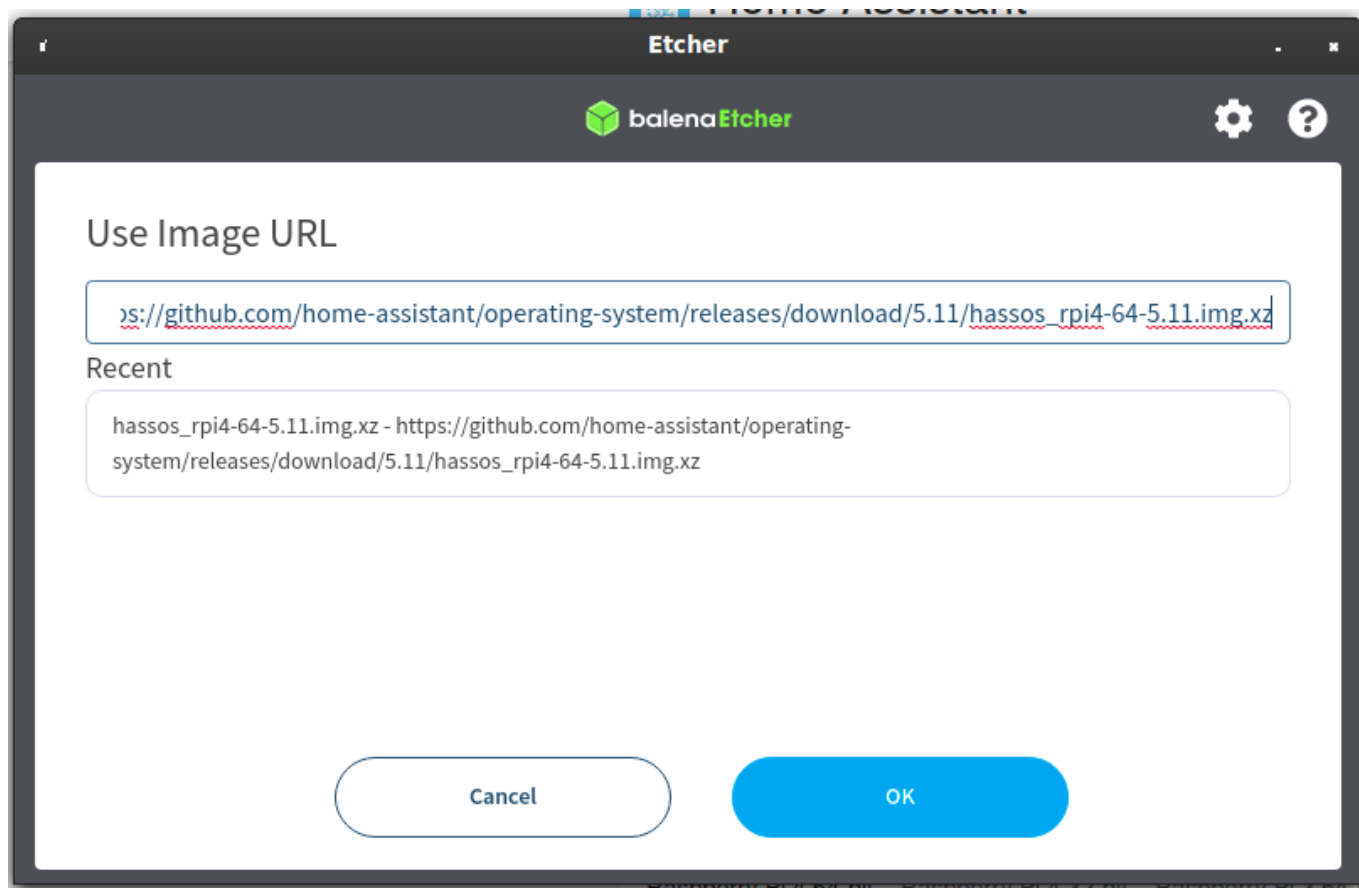
Seleccionamos Flash from url:



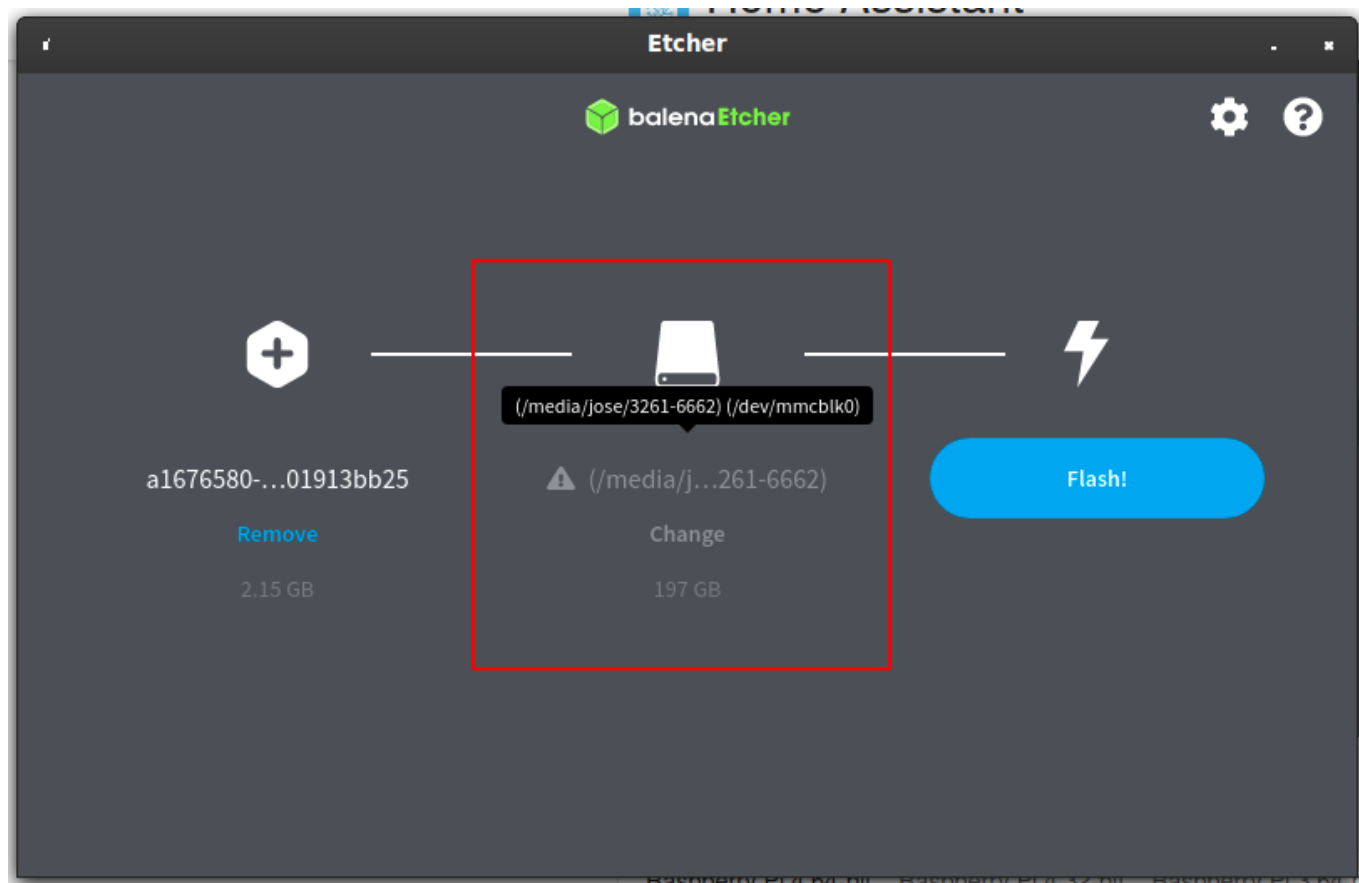
Ponemos la URL de la documentación:

```
https://github.com/home-assistant/operating-system/releases/download/5.11/ha
```

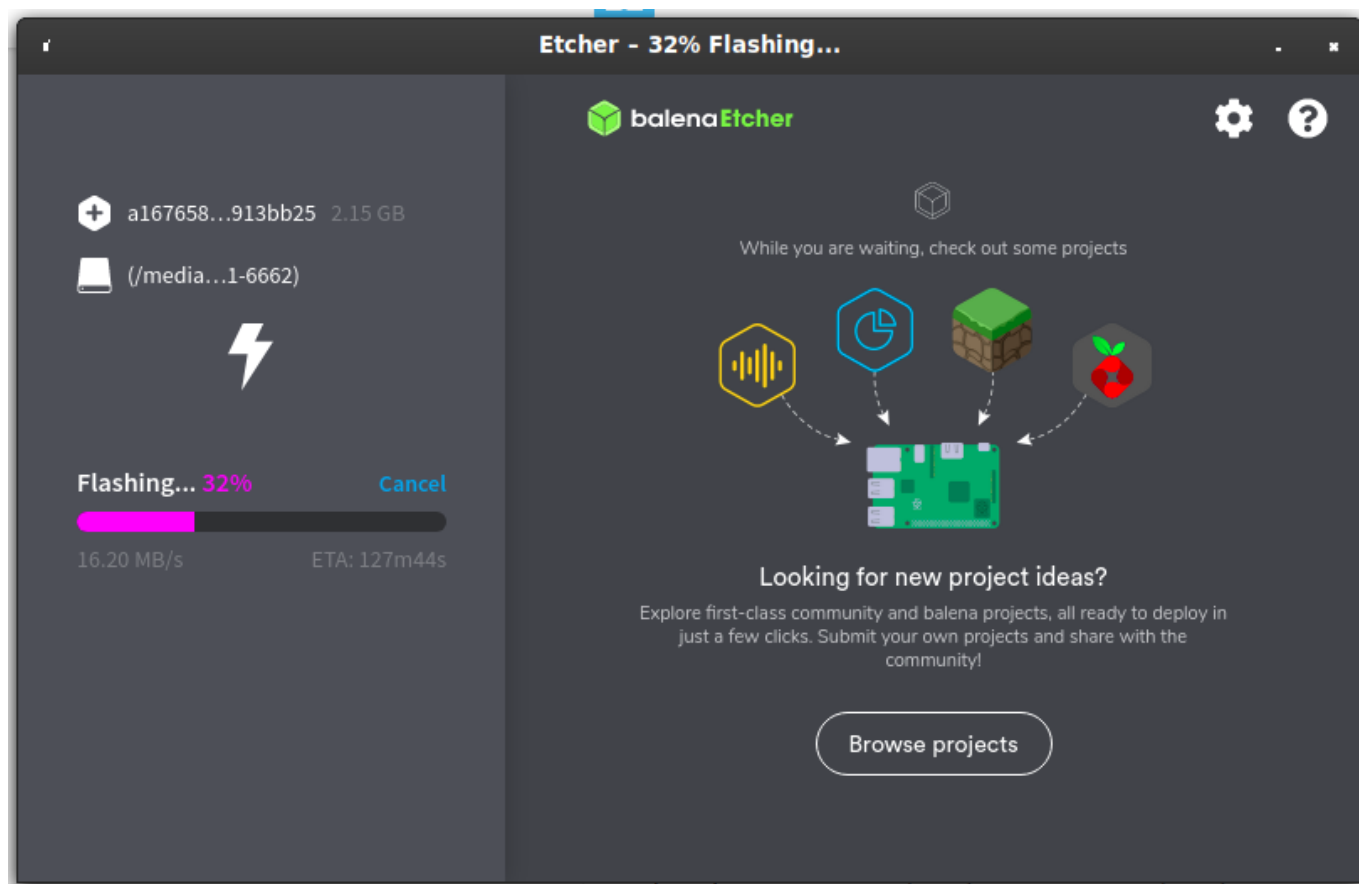
ssos\_rpi4-64-5.11.img.xz



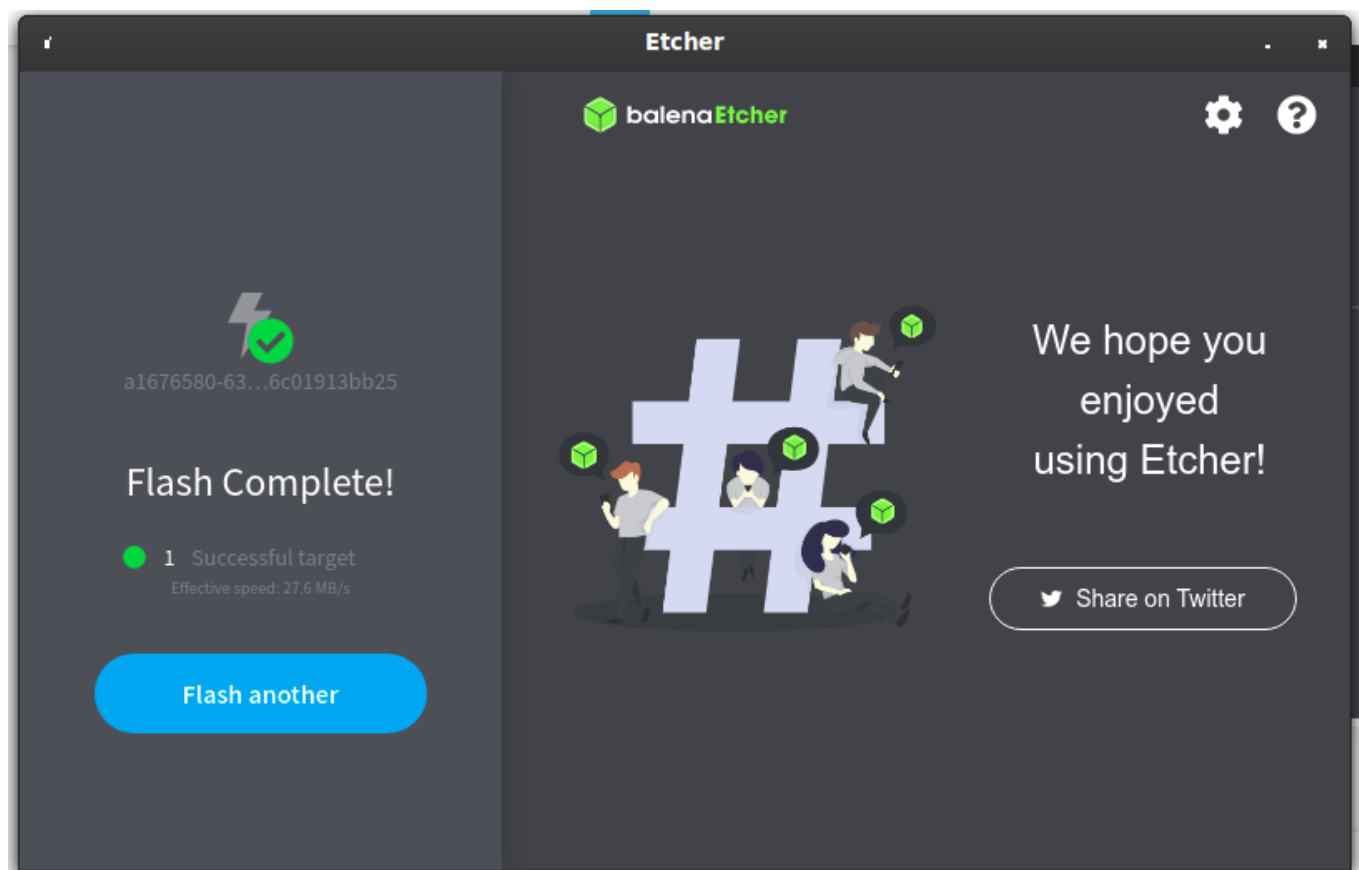
Seleccionamos nuestra tarjeta SD:



Indica proceso de escritura de la tarjeta:



Ha finalizado:



Ya podemos acceder con la ip:

<http://192.168.1.106:8123/>

Creamos la cuenta de admin:

---



## Home Assistant

Are you ready to awaken your home, reclaim your privacy and join a worldwide community of tinkerers?

Let's get started by creating a user account.

Name

admin

Username

admin

Password

●●●●●●●●

Confirm Password

●●●●●●●●

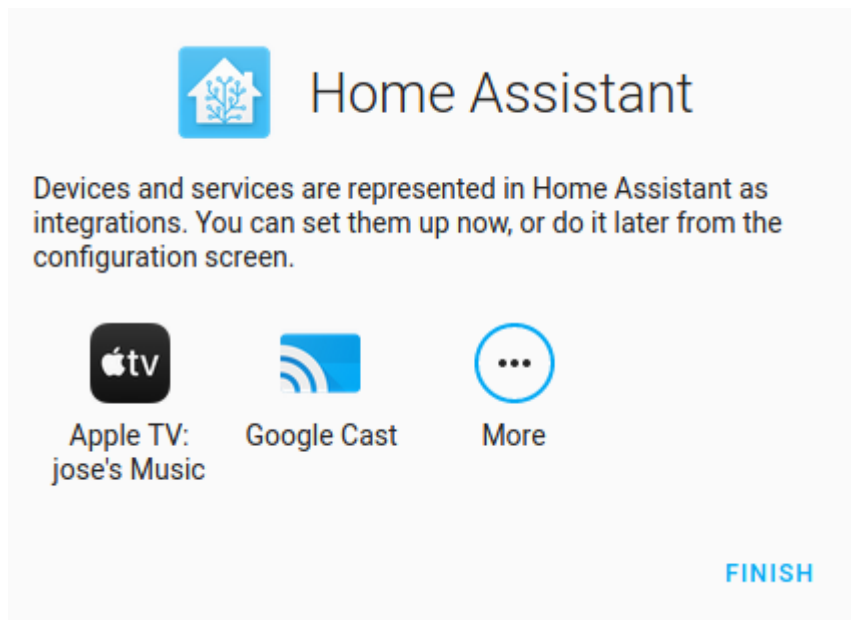
CREATE ACCOUNT

[Alternatively you can restore from a previous snapshot.](#)

Introducimos nuestra ubicación (si queremos)

Nos detecta dispositivos compatibles para hacer integraciones. Las podemos hacer ahora o después desde "integrations"

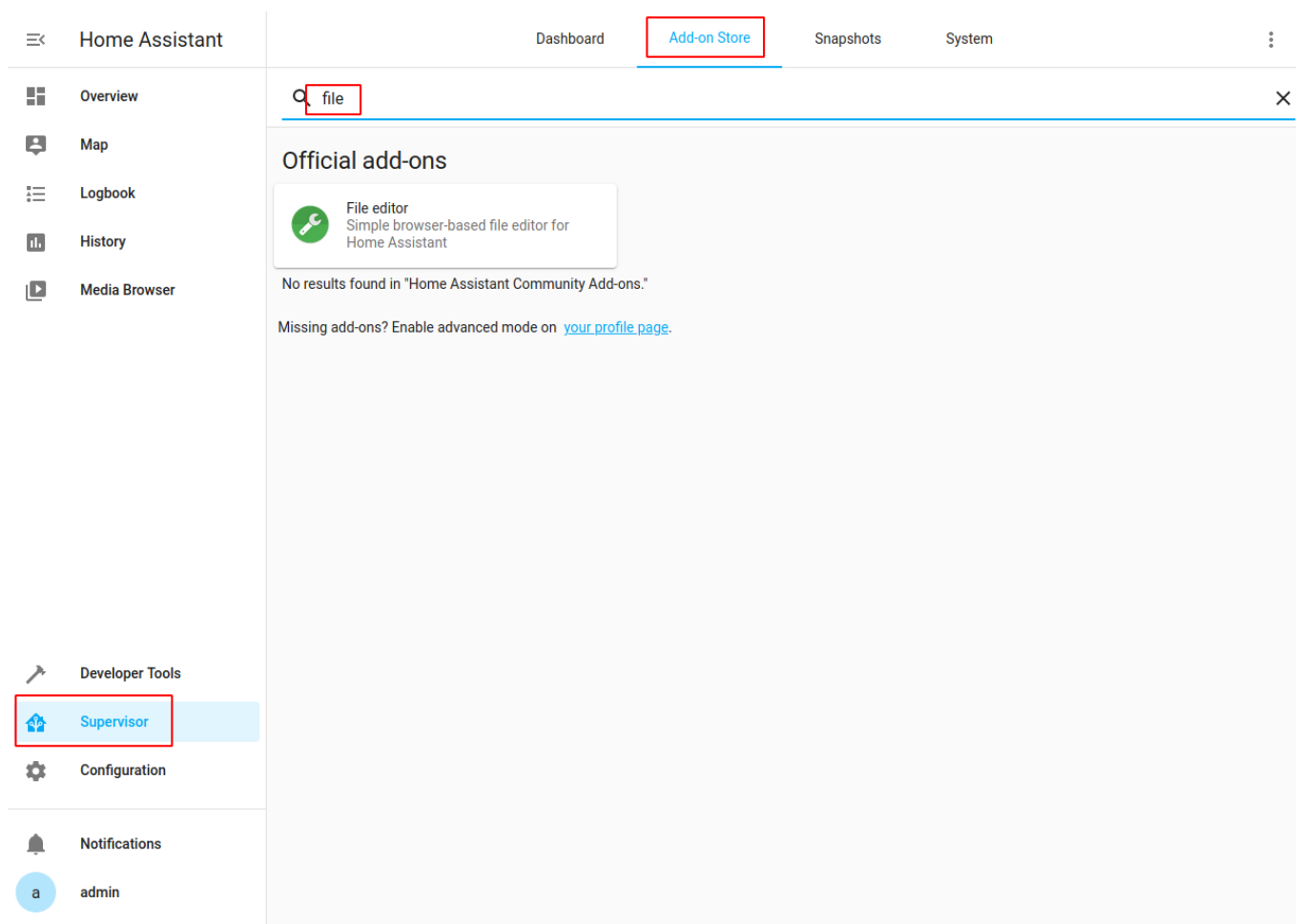




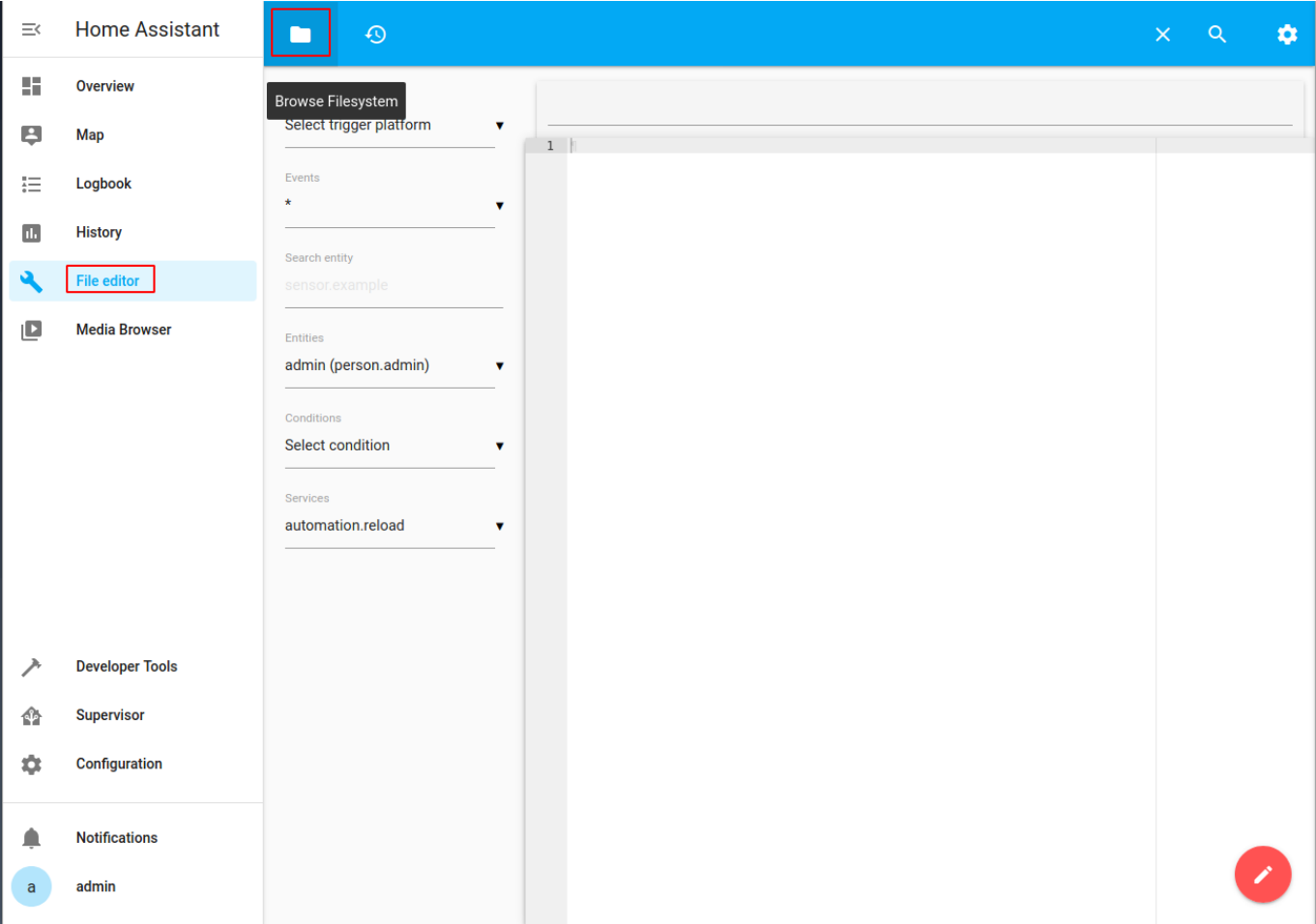
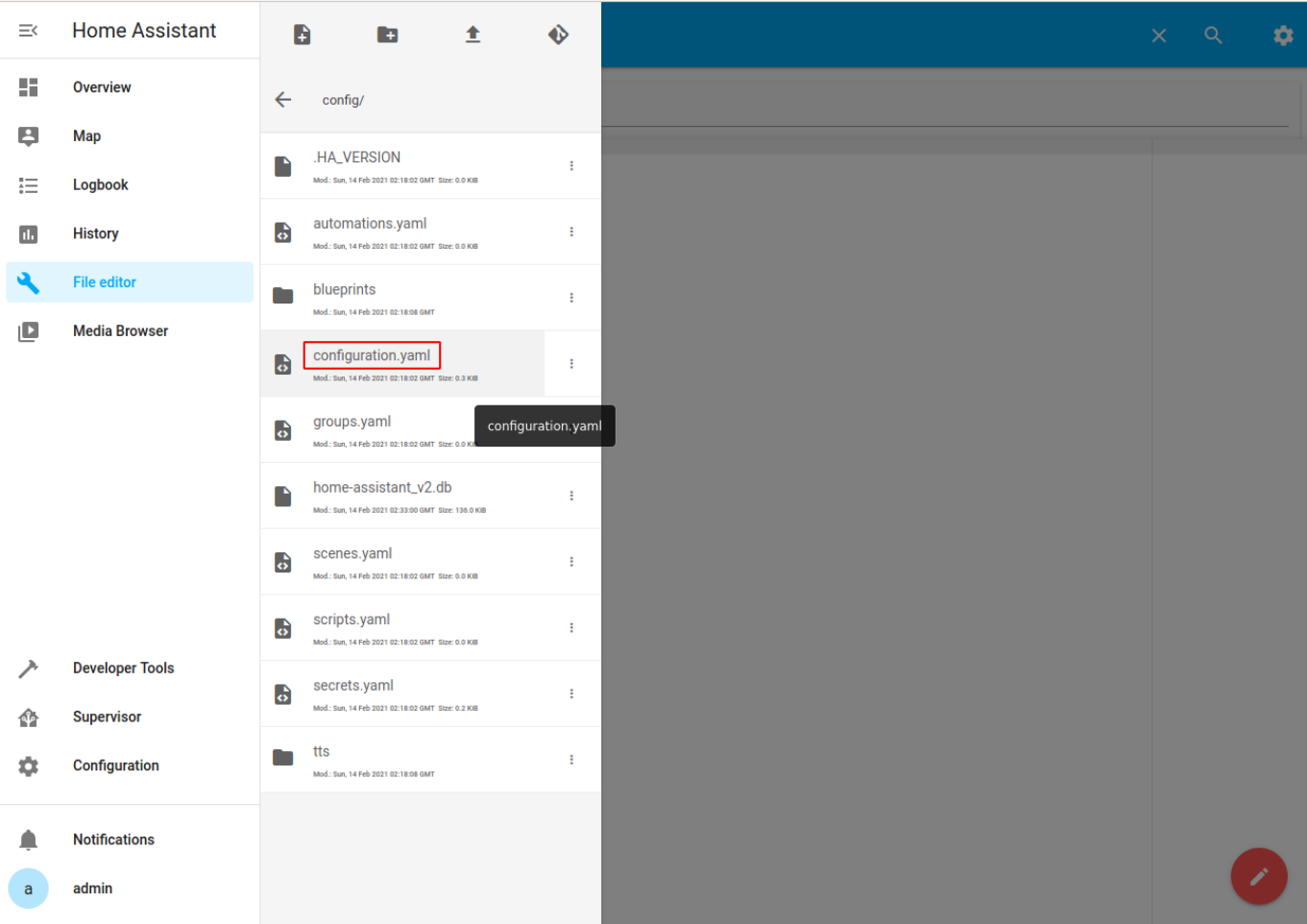
## Configuración de Wifi e IP fija

Vamos a Supervisor > System > Host

Para poder editar ficheros de configuración, instalamos el add-on "file editor"



Ahora ya podemos ir a File Editor y modificar ficheros. Por ejemplo el fichero de configuración:



Para poder subir ficheros, instalamos el addon de samba

# MQTT

# Spotify

Fuente: <https://www.home-assistant.io/integrations/spotify/>

Vamos a la web de developers de spotify y creamos una app:

<https://developer.spotify.com/dashboard/>

Nos dará un client y un secret, lo guardamos.

Damos a editar aplicación y ponemos la url que comprobará el token de nuestro servidor, en este caso:

```
http://192.168.1.106:8123/auth/external/callback
```

## EDIT SETTINGS

Application name

**home assistant**

Application description

home assistant



### Website

Add a website

Where the user may obtain more information about this application (e.g. <http://mysite.com>).

### Redirect URIs

<http://192.168.1.106:8123/auth/external/callback>

ADD

White-listed addresses to redirect to after authentication success OR failure (e.g. <http://mysite.com/callback/>)

### Bundle IDs

[com.example.myapp](#)

ADD

Apple iOS App Store Bundle Identifier (e.g. [com.mysite.myapp](#))

### Android Packages

[com.example.myapp](#)

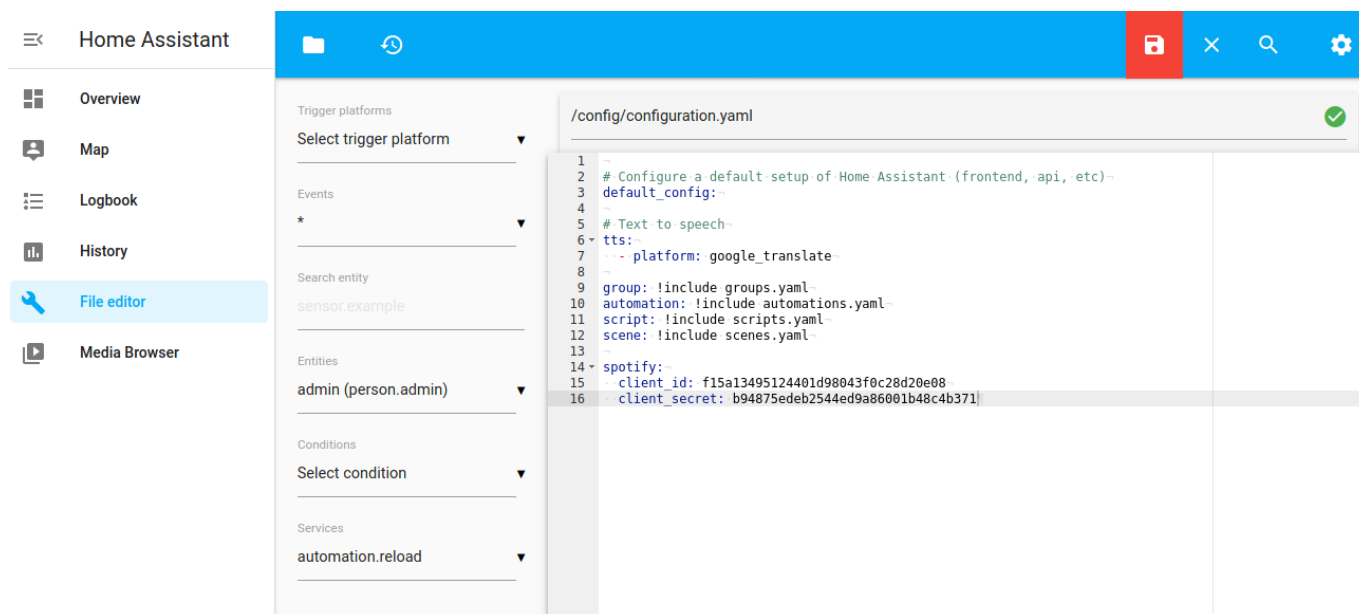
ADD

[01:D8:AA:43:97:59:EE:C5:95:26:6A:07:EE:1C:](#)

Android Package Name and SHA1 Fingerprint. See more at [Google Developers](#)

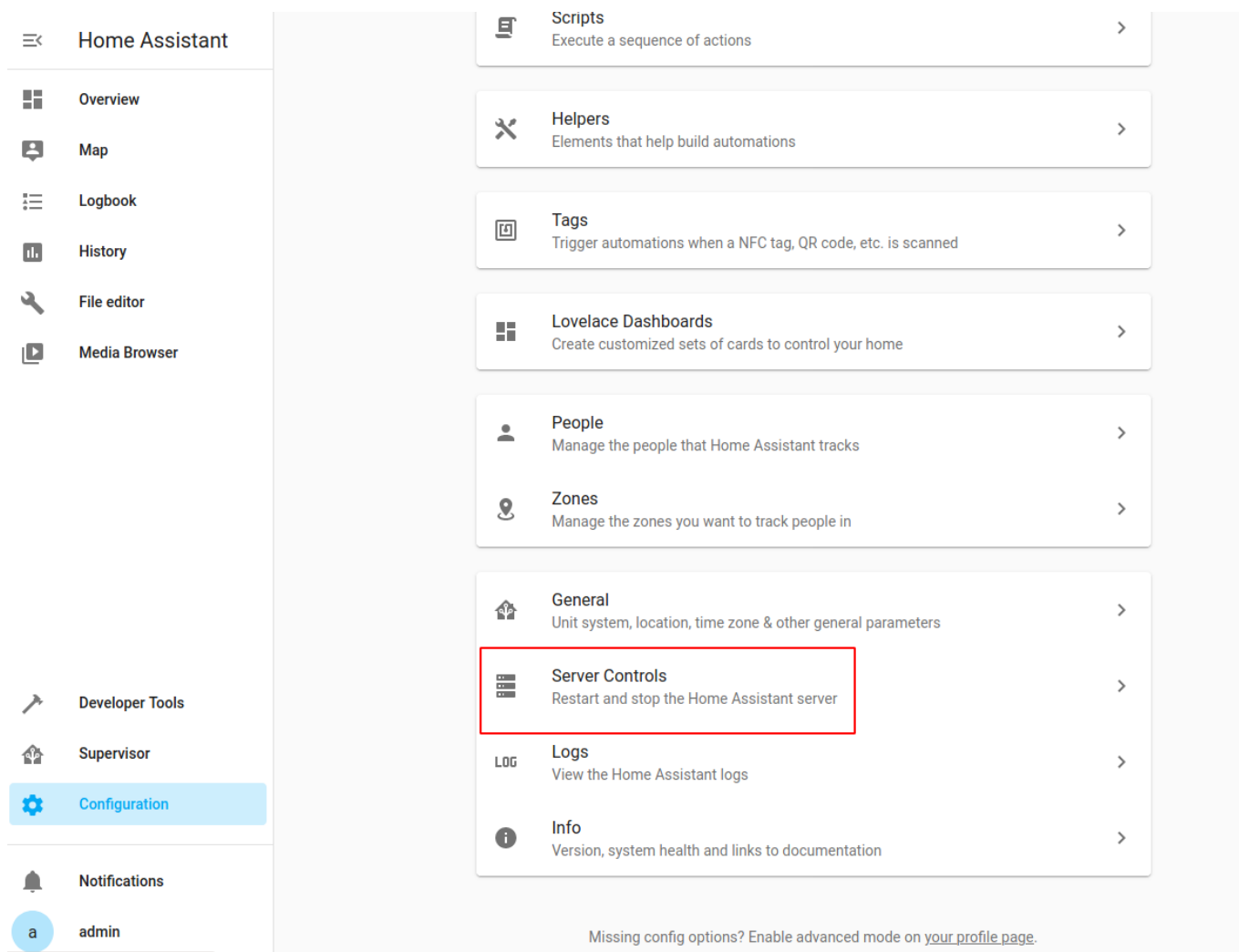
Pones el client y el secret en el fichero

/config/configuration.yaml



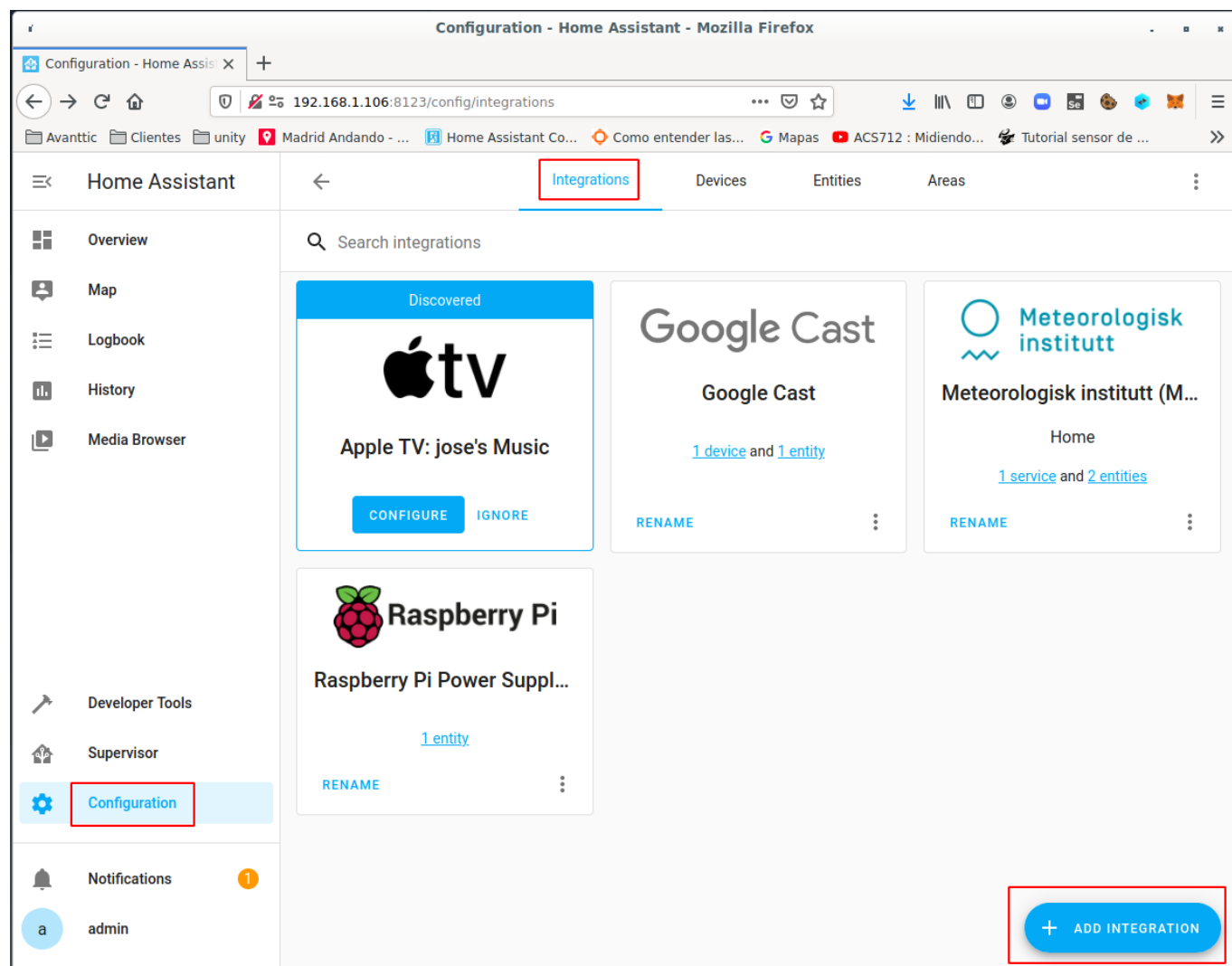
Reiniciamos para que coja los cambios:

Configuration > Server Controls > RESTART

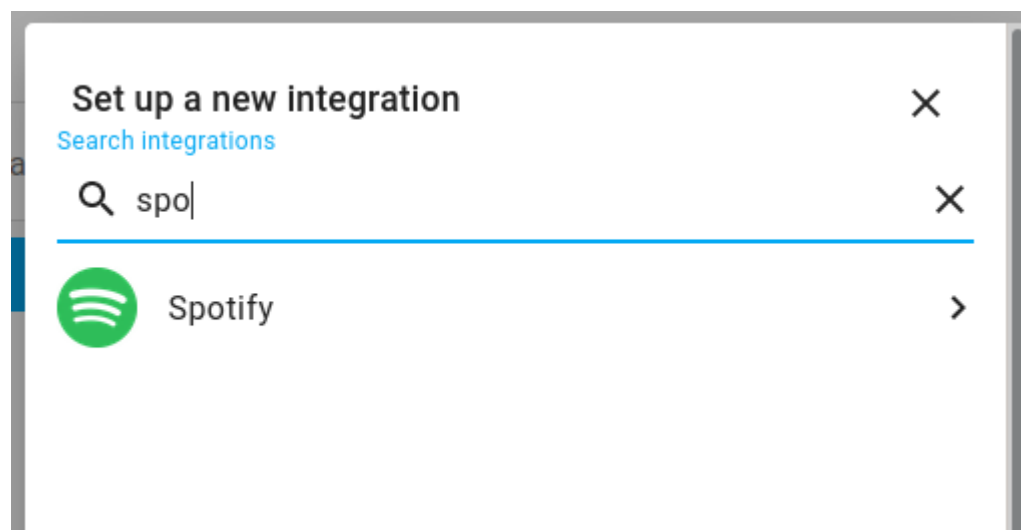


Para hacer la integración, vamos a:

## Configuration > Integrations > ADD INTEGRATION



Seleccionamos Spotify:



En la url pone la ip de nuestro server y el client\_id y nos aparece esta pantalla de validación de spotify



## home assistant

**You agree that home assistant will be able to:**

### View your Spotify account data

The type of Spotify subscription you have, your account country and your settings for explicit content filtering  
Your name and username, your profile picture, how many followers you have on Spotify and your public playlists

### View your activity on Spotify

Content you have recently played  
The content you are playing and Spotify Connect devices information  
What you've saved in Your Library  
Your top artists and content  
Who you follow on Spotify  
Playlists you've made and playlists you follow  
Your collaborative playlists  
Your position in content you have played

### Take actions in Spotify on your behalf

Control Spotify on your devices

You can remove this access at any time at [spotify.com/account](https://spotify.com/account).

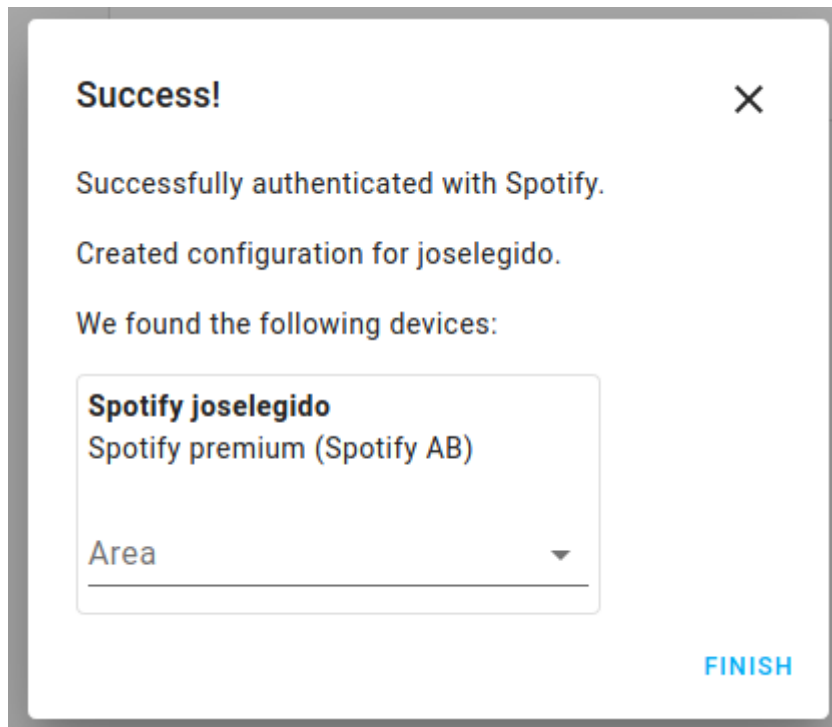
For more information about how home assistant can use your personal data, please see home assistant's privacy policy.



Logged in as joselegido.  
([Not you?](#))

**AGREE**

Ya nos aparece configurado:



Volvemos a reiniciar para que coja los cambios

Para probarlo, abrimos spotify en el móvil o el pc. En home assistant vamos a:

Developer tools > SERVICES

En entity nos aparece spotify:

The service dev tool allows you to call any available service in Home Assistant.

Service: `media_player.play_media`

Entity: `Spotify joselegido` (`media_player.spotify_joselegido`)

Send the media player the command for playing media.

| Parameter                       | Description   | Example   |
|---------------------------------|---|---|
| <code>entity_id</code>          | Name(s) of entities to seek media on  | <code>media_player.living_room_chromecast</code>              |
| <code>media_content_id</code>   | The ID of the content to play. Platform dependent.  | <code>https://home-assistant.io/images/cast/splash.png</code> |
| <code>media_content_type</code> | The type of the content to play. Must be one of image, music, tvshow, video, episode, channel or playlist | music   |

[FILL EXAMPLE DATA](#)

En service data añadimos una playlist:

```
entity_id: media_player.spotify_joselegido
media_content_id:
https://open.spotify.com/playlist/4kPUSDh6ELg2QX251qM6zi?si=cEtldw6mRYiulWN4
```



```
uj9o4w
media_content_type: playlist
```

Nos queda así:

The screenshot shows the Home Assistant interface with the 'Developer Tools' panel open. The 'SERVICES' tab is selected. The service 'media\_player.play\_media' is chosen. The entity is set to 'media\_player.spotify\_joselegido'. The service data is configured with the following YAML:

```
1 entity_id: media_player.spotify_joselegido
2 media_content_id: https://open.spotify.com/
3 media_content_type: playlist
```

Below the configuration, there is a 'CALL SERVICE' button. Underneath, a message says 'Send the media player the command for playing media.' followed by a table of parameters:

| Parameter          | Description   | Example  |
|--------------------|---|--|
| entity_id          | Name(s) of entities to seek media on  | media_player.living_room_chromecast              |
| media_content_id   | The ID of the content to play. Platform dependent.  | https://home-assistant.io/images/cast/splash.png |
| media_content_type | The type of the content to play. Must be one of image, music, tvshow, video, episode, channel or playlist | music  |

At the bottom of the table, there is a link: [FILL EXAMPLE DATA](#).

Si pulsamos CALL SERVICE nos pone la playlist donde tengamos ejecutando Spotify

## Google Home

Para poner música en google home:

Developer Tools > Services

Service:  
media\_player.play\_media

Service Data:  
entity\_id: media\_player.google\_home  
media\_content\_id:  
https://mediavod-lvlt.rtve.es/resources/TE\_SHETACA/mp3/0/6/1613119445760.mp3  
media\_content\_type: music

## Configuración HUB

Fuente: <https://www.bujarra.com/jugando-con-cubos-magicos-en-home-assistant/>

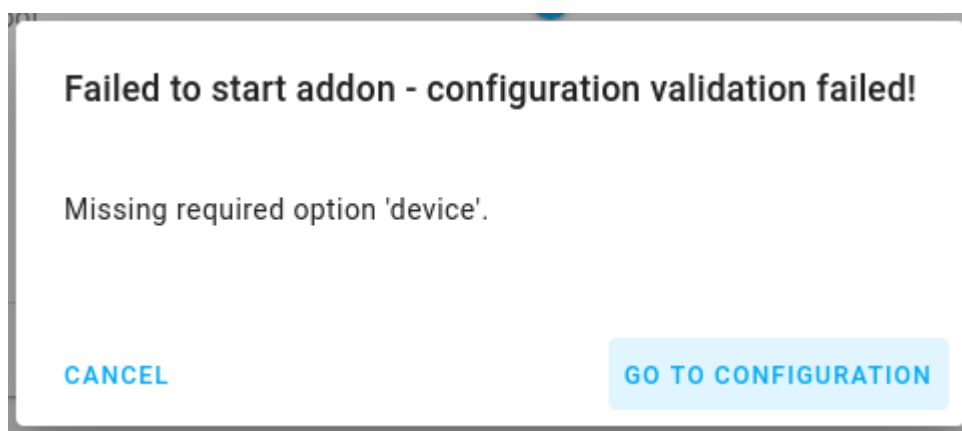
Gateway ConBee II Zigbee: <https://www.amazon.es/dp/B07PZ7ZHG5/>

Cubos de alixpress: <https://es.aliexpress.com/item/32895216845.html>

Instalamos el add-on deCONZ

## Supervisor > Add-on Store

Pulsamos INSTALL (tarda un poco) seleccionamos “Show in sidebar” y START, nos dir  que falta configurar. Pulsamos “GO TO CONFIGURATION”



Pulsamos el desplegable de “device” y seleccionamos nuestro hub USB

# deCONZ

## Configuration

|          |   |
|----------|---|
| device   | /dev/serial/by-id/usb-dresden_elektronik_ingenieurtechnik_GmbH_ConBee_II_DE2252285-if00 |
| dbg_aps  | 0   |
| dbg_info | 0   |
| dbg_otau | 0   |
| dbg_zcl  | 0   |
| dbg_zdp  | 0   |

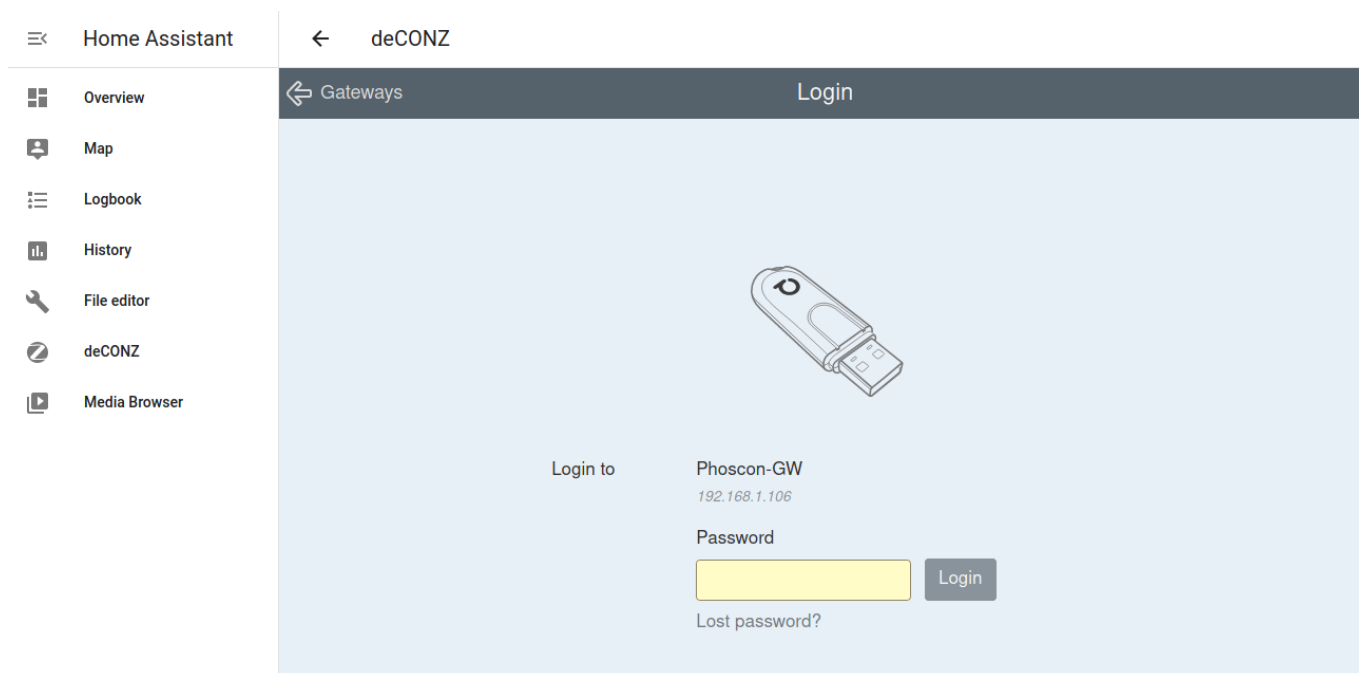
SAVE

Pulsamos SAVE (el de arriba) y volvemos al menú anterior.

Pulsamos OPEN WEB UI y luego Phoscon. Nos aparece nuestro USB. Pulsamos en él

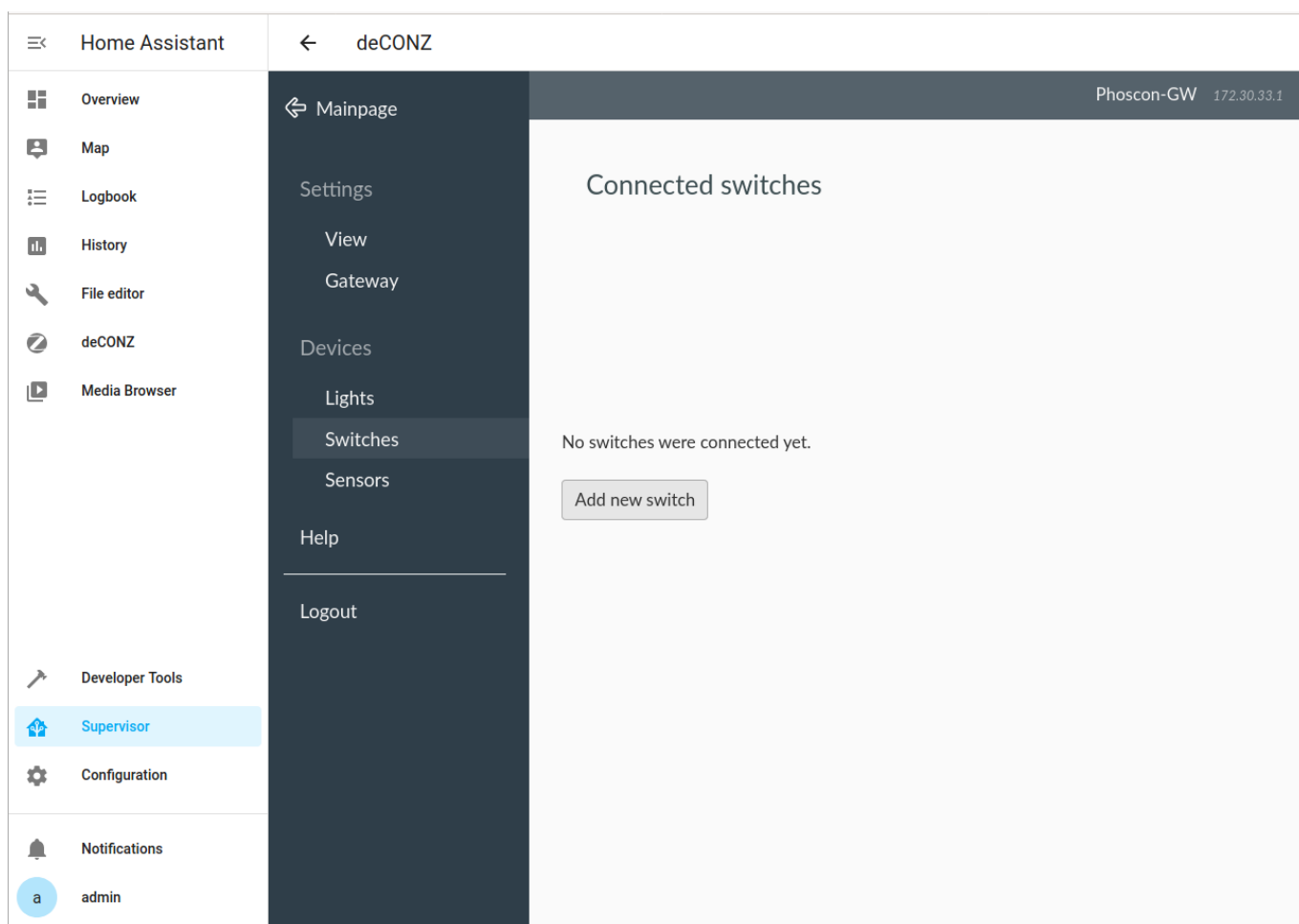


Ponemos una contraseña:

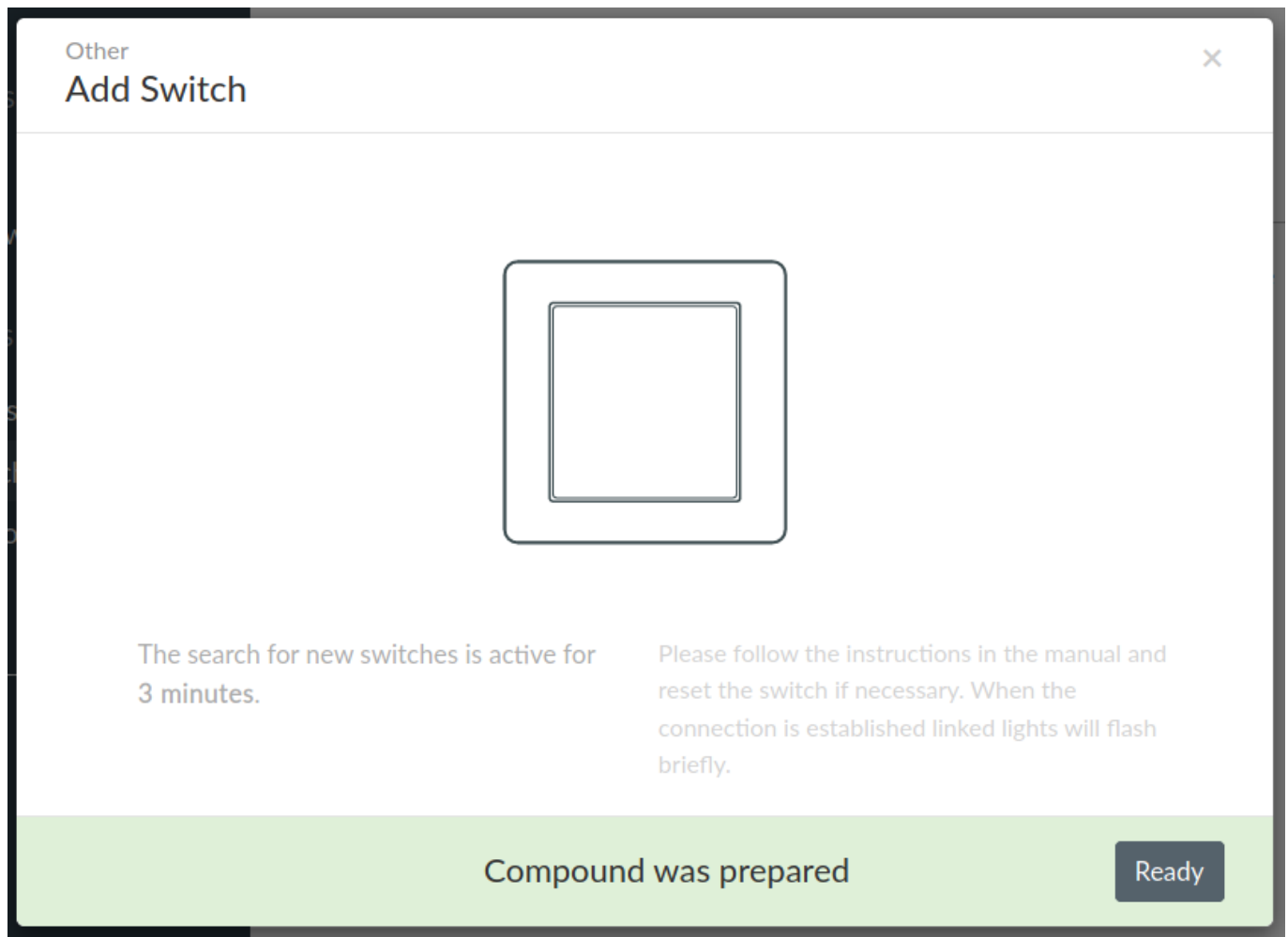


Pulsamos: Proceed without lights para ir al siguiente punto

Abrimos el menú y seleccionamos switches > Add new switch



Seleccionamos Other. Abrimos el cubo y apretamos el botón de link hasta que se apague la luz azul, primero parpadea pero se apaga en seguida. Después de unos 10 segundos, se ha emparejado y nos aparece esto en la pantalla. Pulsamos Ready



Reiniciamos el host entero para que coja bien los cambios. Al reiniciar ya me ha hecho la integración, no sé si son necesarios estos pasos.

Ahora habilitamos para que pueda hacer integración con terceros, en este caso con home assistant. Nos da 60 segundos para hacerlo abriendo otra ventana

Home Assistant

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Map

Logbook

History

File editor

deCONZ

Media Browser

Developer Tools

Supervisor

Configuration

Notifications

a admin

Mainpage

Settings

View

Gateway

Devices

Lights

Switches


Sensors


Help

Logout

Phoscon-GW 172.30.33.1

Phoscon-GW





Reset gateway

Date2/14/2021

Time4:35 AM

TimezoneEurope/Madrid

Change timezone

Connect 3rd party apps like Amazon Alexa, Hue Essentials etc. to the gateway.

Authenticate app

Allow apps to connect to the gateway for 60 seconds.

Zigbee channel15

Network id4B88

Change Zigbee channel

Problems with overlapping WiFi channels can be solved here.

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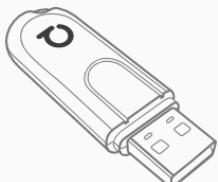
Help

Logout

Phoscon-GW 172.30.33.1

Phoscon-GW





Reset gateway

Date2/14/2021

Time4:37 AM

TimezoneEurope/Madrid

Change timezone

Connect 3rd party apps like Amazon Alexa, Hue Essentials etc. to the gateway.

Authenticate app

Allow apps to connect to the gateway for 60 seconds.

App can be connected now. 55

Zigbee channel15

Network id4B88

Change Zigbee channel

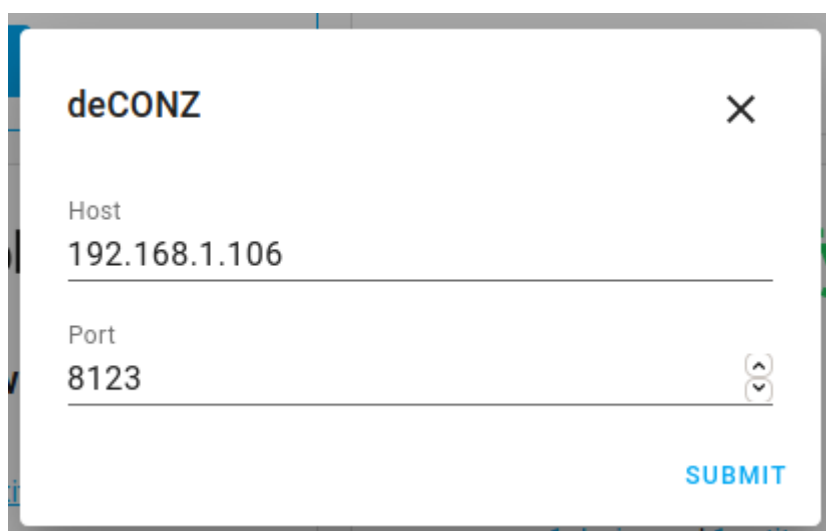
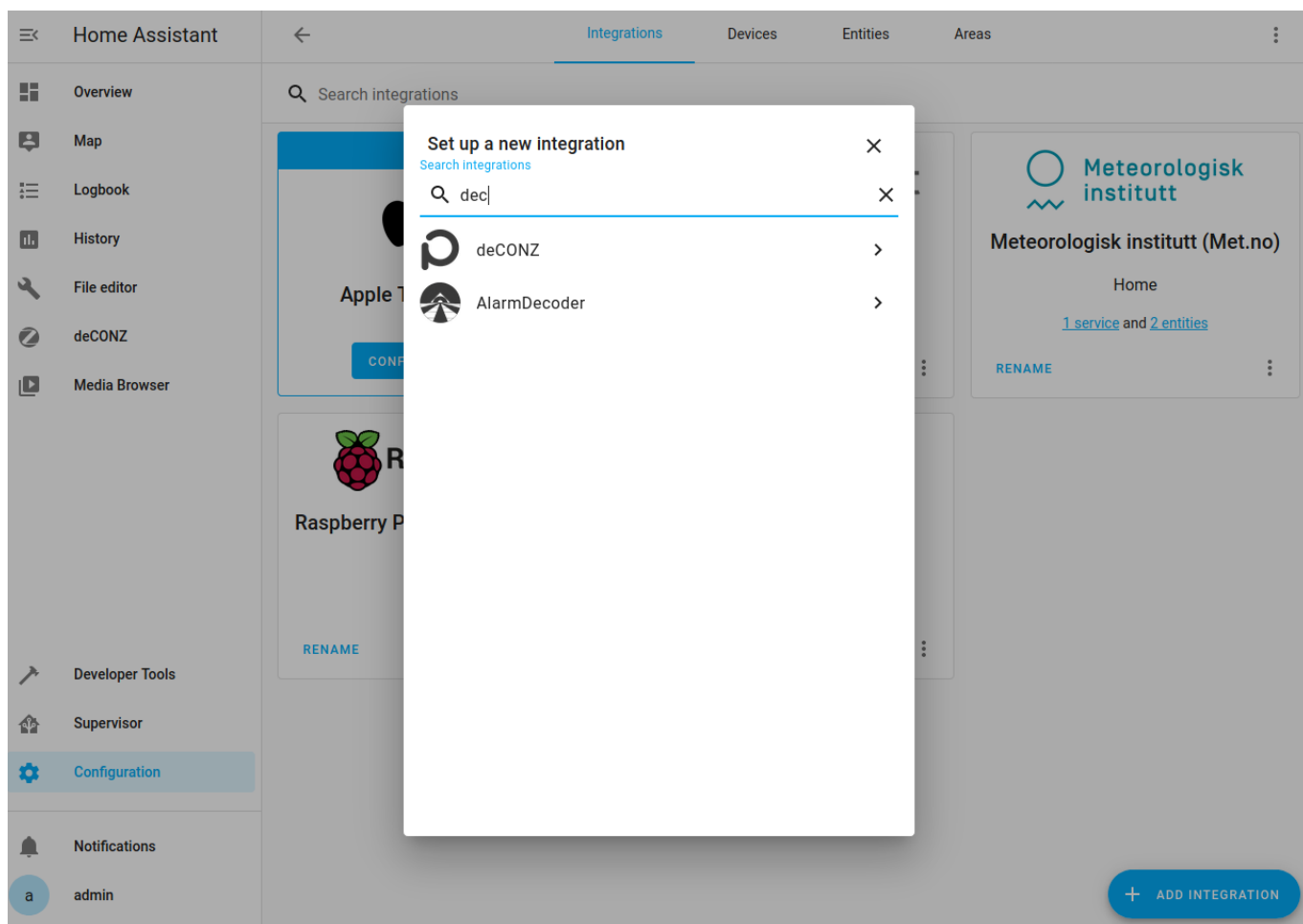
Problems with overlapping WiFi channels can

General

Advanced

Creamos la integración con deCONZ. Abrimos otra ventana y dejamos la de la cuenta atrás a un lado:

Configuration > Integrations > deCONZ



## Evento con el dado

configuration > Devices > Mi Magic Cube

Pulsamos Automations, seleccionamos el movimiento (por ejemplo shaken) y en actions ponemos por ejemplo:

```
Service:
media_player.play_media
```

```
Entity:
media_player.google_home
```

```
Data:
entity_id: media_player.google_home
media_content_id:
'https://mediavod-lvlt.rtve.es/resources/TE_SHETACA/mp3/0/6/1613119445760.mp3'
media_content_type: audio/mp3
```

## Sensor humedad (Mi Flora)

Listado

```
1 - C4:7C:8D:6C:32:14
2 - C4:7C:8D:6C:13:75
3 - C4:7C:8D:6C:0A:98
4 - C4:7C:8D:6C:16:60
5 - C4:7C:8D:6C:07:3A
6 - C4:7C:8D:6C:0A:8E
```

Son sensores bluetooth no Zigbee

Para saber la MAC lanzamos el comando para scanear:

```
bluetoothctl scan on
```

```
$ bluetoothctl
Discovery started
[CHG] Device 56:60:BB:D0:56:D1 Comedor
[NEW] Device C4:7C:8D:6C:13:75 Flower care
[NEW] Device B8:78:2E:1E:90:2A B8-78-2E-1E-90-2A
```

Es la MAC C4:7C:8D:6C:13:75 de Flower care

Añadimos lo siguiente en configuration.yml:

```
sensor:
- platform: miflora
  mac: "C4:7C:8D:6C:13:75"
  name: Flower 2
```



```
    force_update: true
#    median: 3
    monitored_conditions:
      - moisture
      - light
      - temperature
      - conductivity
      - battery
    scan_interval: 60
```

Podemos añadir por tipo de planta. El valor del sensor es flower\_2, se cambia espacio por \_

```
plant:
# Orchidaceae, Phalaenopsis
orchid:
  sensors:
    moisture: sensor.flower_2_moisture
    battery: sensor.flower_2_battery
    temperature: sensor.flower_2_temperature
    conductivity: sensor.flower_2_conductivity
    brightness: sensor.flower_2_light_intensity
  min_moisture: 15
  max_moisture: 65
  min_battery: 20
  min_conductivity: 350
  max_conductivity: 2000
  min_temperature: 15
  max_temperature: 32
  min_brightness: 2000
  max_brightness: 30000
#  check_days: 3
```

Reiniciamos para que coja los cambios

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