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

Mapeaomos 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"

Ξ<	Home Assistant	Settings			Q :
	Overview		Home Assistant Claud		
4	Energy		Control home when away and integrate with Alexa and Google Assistant	>	
₽	Мар	G	Devices & services Integrations, devices, entities and helpers	>	
	Logbook		Automations & scenes		
11.	History	•	Automations, scenes, scripts and blueprints	>	
	Media	•	Areas & zones Manage locations in and around your house	>	
Ì	Shopping list	6	Dashboards Organize how you interact with your home	>	
		•	Voice assistants Manage your voice assistants	>	
			Tags Set up NFC tags and QR codes	>	
		8	People Manage who can access your home	>	
۶	Developer tools	0	System Create backups, check logs or reboot your system	>	
٠	Settings	0	About Version information, credits and more	>	
¢.	Notifications				
a	admin		Y Tip: Join the community on our Forums, Twitter, Chat, Blog or Newsletter		

Y seleccionamos ConBee II para configurarlo



IUIIIauUII

	Success!	×
	Created configuration for ConBee II. We found the following devices:	
t	Zigbee Coordinator deCONZ = dresden elektronik deCONZ protocol: ConBee I/II, RaspBee I/II (ZHA)	
	Area 👻	
st		FINISH

Aparece Success

Y ya nos aparece en "Configured" para poder usarla

≡<	Home Assistant	÷	Integrations Devices Entities	Helpers
5	Overview	Q Search integrations		Ŧ
4	Energy	Discovered		
Ę	Мар	UPnP	UPnP	
:=	Logbook	LiveboxPlus	WRT54G	
ıL	History	UPnP/IGD	UPnP/IGD	
D	Media	CONFIGURE	CONFIGURE	
Ì	Shopping list	Configured		
		Bluetooth ① Failed setup, will retry	> Google Cast	> Google Translate text-to-speech >
		1 ENTRY	1 DEVICE	
		Meteorologisk institutt (Met.no)	> 🥳 Radio Browser	> Shopping List >
		1 SERVICE	1 ENTRY	
>	Developer tools	YÔY Sun	> Zigbee Home Automation	
۰	Settings			
		1 SERVICE	1 DEVICE	
Ļ.	Notifications 1			
a	admin			+ ADD INTEGRATION

Docker Antiguo

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

```
Instalamos raspbian
```

```
sudo dd if=2021-01-11-raspios-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/dhcpcd.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 vacio. 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 cacertificates 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 descomprimimos 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

Etcher	
📦 balena Etcher 🔅	?
Use Image URL	
vs://github.com/home-assistant/operating-system/releases/download/5.11/hassos_rpi4-64-5.11.img.	xz
Recent	
hassos_rpi4-64-5.11.img.xz - https://github.com/home-assistant/operating- system/releases/download/5.11/hassos_rpi4-64-5.11.img.xz	
Cancel OK	

Seleccionamos nuestra tarjeta SD:

·	Etcher		
	🜍 balena Etcher		¢ 0
+	(/media/jose/3261-6662) (/dev/mmcblk0)	- 4	
a167658001913bb25	⚠ (/media/j261-6662)	Flash!	
Remove	Change		
2.15 GB			
	Basoperry PL4 64-01	Basoperry PL4 32-01	

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:



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"



Home Assistant

Devices and services are represented in Home Assistant as integrations. You can set them up now, or do it later from the configuration screen.



Configuración de Wifi e IP fija

Vamos a Supervisor > System > Host

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

=<	Home Assistant	Dashboard Add-on Store Snapshots System	0 0 0
	Overview	Q, file	×
Ļ	Мар	Official add-ons	
	Logbook	File editor	
ıl.	History	Simple browser-based file editor for Home Assistant	
	Media Browser	No results found in "Home Assistant Community Add-ons."	
		Missing add-ons? Enable advanced mode on your profile page.	
۶.	Developer Tools		
	Supervisor		
\$	Configuration		
Ļ	Notifications		
a	admin		

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
ttp://192.168.1.106:8123/auth/external/callback
White-listed addresses to redirect to after authentication success OR failure (e.g. http://mysite.com/callback/)
Bundle IDs
com.example.myapp
Apple iOS App Store Bundle Identifier (e.g. com.mysite.myapp)
Android Packages
com.example.myapp
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

13/25

Pones el client y el secret en el fichero

/config/configuration.yaml

≡<	Home Assistant	- 9		8	×	۹	¢
55	Overview	Trigger platforms	/config/configuration.yaml				0
Ę	Мар	Select trigger platform	1				
н А. Э	Logbook	Events	<pre>2 # Configure a default setup of Home Assistant (frontend, api, etc)~ 3 default_config:~ 4 ~ 5 # Text to speech~</pre>				
ıl.	History	Search entity	6 * tts:- 7 **** platform: google_translate= 8 =				
٩,	File editor	sensor.example	9 group::linclude.groups.yaml- 10 automation: !include automations.yaml- 11 script: !include scripts.yaml-				
	Media Browser	Entities admin (person.admin) Conditions Select condition Services automation reload	<pre>12 scene: !include scenes.yaml- 13 14 - spotify:- 15 - client_id: f15a13495124401d98043f0c28d20e08- 16 - client_secret: b94875edeb2544ed9a86001b48c4b371</pre>				

Reiniciamos para que coja los cambios:

Configuration > Server Controls > RESTART



Legido Wiki - http://wiki.legido.com/

Para hacer la integración, vamos a:

Configuration > Integrations > ADD INTEGRATION



Seleccionamos Spotify:

Set up a new integration Search integrations	×
Q spo 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.

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





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:

=<	Home Assistant	Developer Tools					
::	Overview	STATES SERVICES	STATES SERVICES TEMPLATE EVENTS				
Ę	Мар	The service dev tool allows y	ou to call any available service in Home Assistant.				
	Logbook	Service					
ılı	History	media_player.play_media 	× •				
٩	File editor	Entity	A				
D	Media Browser	Google Hom media_player.g	Spotify joselegido media_player.spotify_joselegido				
		Send the media player the command for playing media.					
	Parameter Description Example						
entity_id Name(s) of entities to seek media on media_player.living_room_				media_player.living_room_chromecast			
	media_content_id The ID of the content to play. Platform dependent. https://home-assistant.io/images/cas						
		media_content_type 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=cEt1dw6mRYiulWN4
```

```
uj9o4w
media_content_type: playlist
```

Nos queda así:

```
\equiv \langle
       Home Assistant
22.
      Overview
2
      Мар
                                   The service dev tool allows you to call any available service in Home Assistant
      Logbook
1
                                   Service
                                  media_player.play_media
                                                                                   × •
ıl.
       History
                                   Entity
       File editor
                                   media_player.spotify_joselegido
                                                                                   × -
٩
                                   Service Data (YAML, optional)
Media Browser
                                     1 entity_id: media_player.spotify_joselegido
                                      2 media_content_id: https://open.spotify.com/;
3 media_content_type: playlist
                                     Send the media player the command for playing media.
                                      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
                                       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

≡<	Home Assistant	Dashboard Add-on Store Snapshots System
55	Overview	Q deconz
Ę	Мар	Official add-ons
	Logbook	deCONZ
ıl.	History	Control a Zigbee network with ConBee or RaspBee by Dresden Elektronik
٩	File editor	No results found in "Home Assistant Community Add-ons."
	Media Browser	Missing add-ons? Enable advanced mode on your profile page.
7	Developer Tools	
	Supervisor	
\$	Configuration	
Ļ	Notifications	
a	admin	

Pulsamos INSTALL (tarda un poco) seleccionamos "Show in sidebar" y START, nos dirá 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	/dev/ttyAMA0
dbg_info 0	٢
dbg_otau 0	٢
dbg_zcl 0	٢
dbg_zdp 0	٢
	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

=<	Home Assistant	÷	deCONZ			
	Overview					
2	Мар					
#	Logbook					
ıl.	History					
٩	File editor					
Ø	deCONZ			S S		
	Media Browser					
				Phoscon-GW 192.168.1.106		

Ponemos una contraseña:

Home Assistant	← deCONZ							
Overview	🖨 Gateways	Login						
Мар								
Logbook								
History								
File editor								
deCONZ								
Media Browser								
	Logir	n to Phoscon-GW 192.168.1.106 Password Lost password?						
	Home Assistant Overview Map Logbook History File editor deCONZ Media Browser	Home Assistant ← deCONZ Overview Cateways Map Logbook Logbook Image: Cateways History Image: Cateways File editor Image: Cateways deCONZ Image: Cateways Media Browser Image: Cateways						

Pulsamos: Proceed without lights para ir al siguiente punto

Abrimos el menú y seleccionamos switches > Add new switch

=<	Home Assistant	← deCONZ			
55	Overview	🖨 Mainpage		Phoscon-GW	172.30.33.1
₽	Мар				
#	Logbook	Settings	Connected switches		
1.	History	View			
٩	File editor	Gateway			
٢	deCONZ	Devices			
	Media Browser	Lights			
		Switches	No switches were connected yet.		
		Sensors	Add new switch		
		Help			
		Logout			
<i>]</i> *	Developer Tools				
	Supervisor				
۵	Configuration				
¢.	Notifications				
a	admin				

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



http://wiki.legido.com/

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

Configuration > Integrations > deCONZ

≡<	Home Assistant	÷		Integrations	Devices	Entities	Areas	*
	Overview	Q Search integr	ations			_		
₿	Map Logbook		Set up a new inte Search integrations	gration		×	O Me	teorologisk stitutt
	History		deCONZ			>	Meteorologis	k institutt (Met.no)
٩,	File editor	Apple 7	AlarmDecod	ler		>		Home
0	deCONZ	CONE					<u>1 servic</u>	e and <u>2 entities</u>
٥	Media Browser	Raspberry P					RENAME	
<i>)</i> .	Developer Tools	RENAME				:		
65	Supervisor							
*	Configuration					_		
	Notifications							
a	admin							T ADD INTEGRATION
	deCONZ				×			
	Host 102 168 1 106				- 1			
1	192.108.1.100				- 1			
	Port							
1	8123				\mathfrak{S}			
İ			1 4	SU	BMIT			

Evento con el dado

configuration > Devices > Mi Magic Cube

Last update: 2023/10/02 22:21

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.mp
3'
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 sabes 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
```

```
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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Permanent link: http://wiki.legido.com/doku.php?id=informatica:iot:home_assistant	×
Last update: 2023/10/02 22:21	