CURSUSAVOND 4:

INTRODUCTIE HOME ASSISTANT

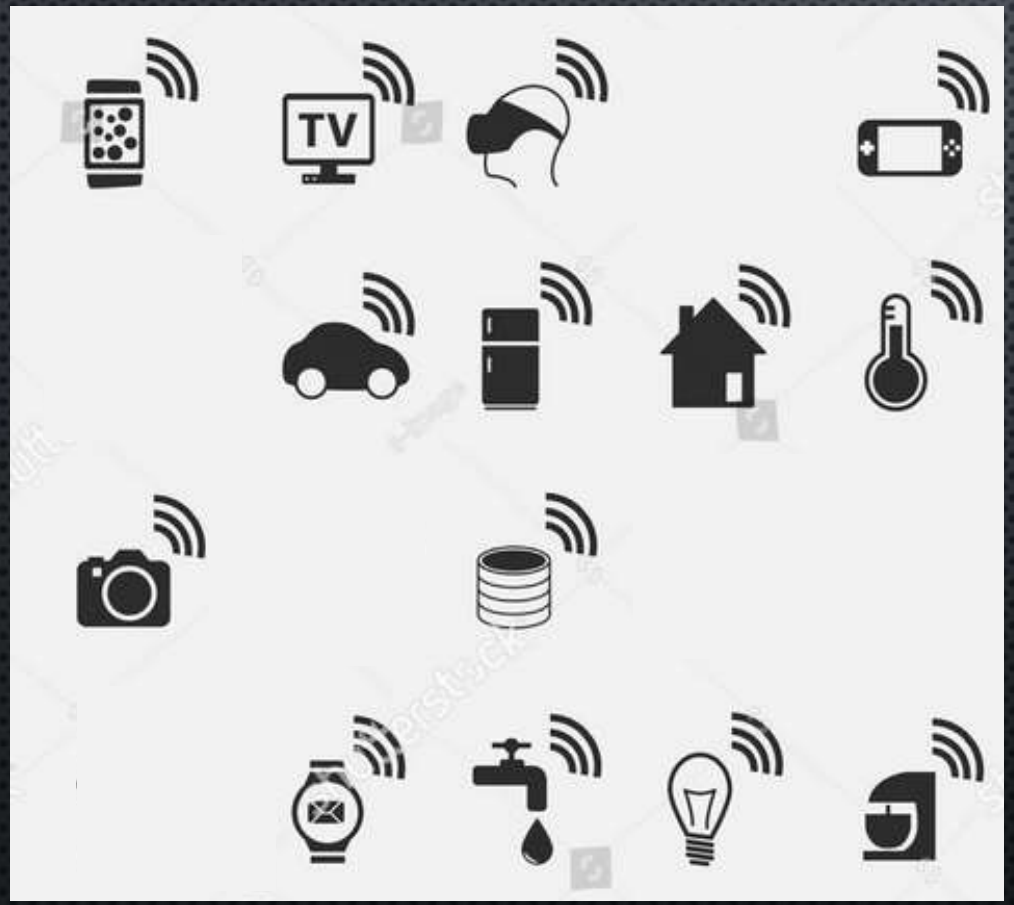
CURSUSAVOND 5: 14 MEI

CURSUSAVOND 6: 28 MEI

JOEP WEIJERS

VUGHTSE PROGRAMMEERCLUB

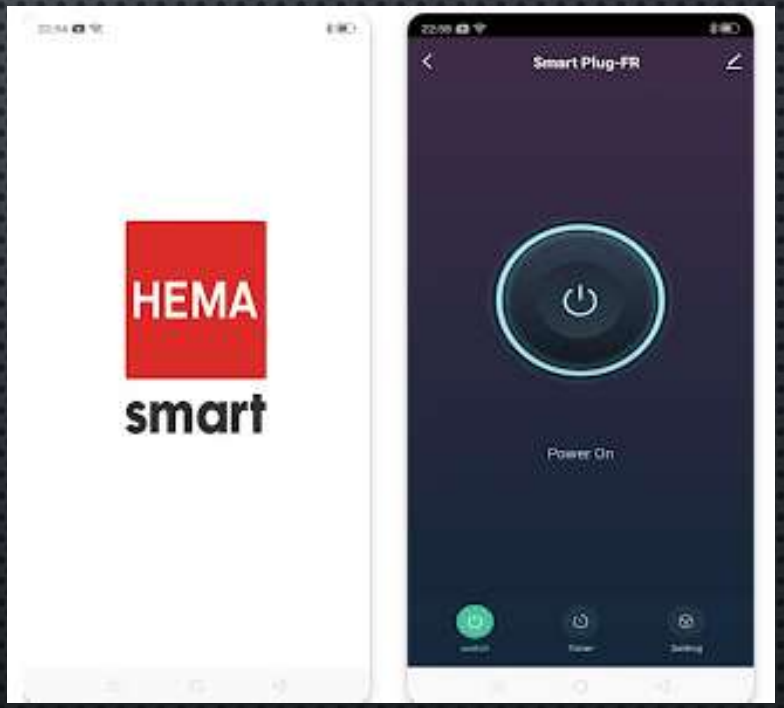
INTRODUCTIE SMART HOME



- WIFI
- BLUETOOTH
- ZIGBEE
- Z-WAVE

VOORBEELD VERBINDING SMART HOME: WIFI

WIFI



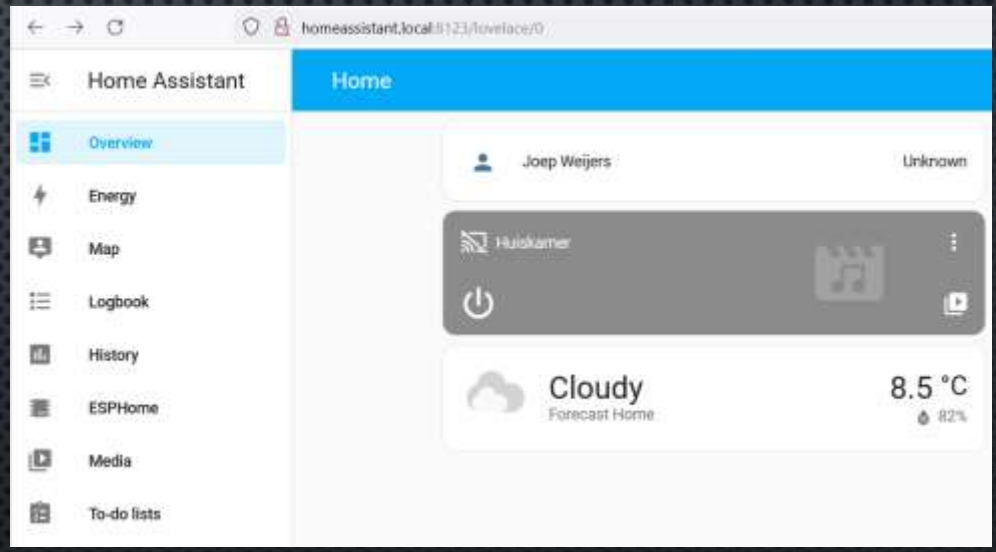
VOORBEELD VERBINDING SMART HOME: BLUETOOTH

BLUETOOTH

VOORBEELD VERBINDING SMART HOME: BLUETOOTH

BLUETOOTH

WIFI



HOME ASSISTANT ALTERNATIEVEN

IFTTT

Task Automation App

openHAB Is

Home Automation Tool

Homey

Google Home

Home Automation Tool Media

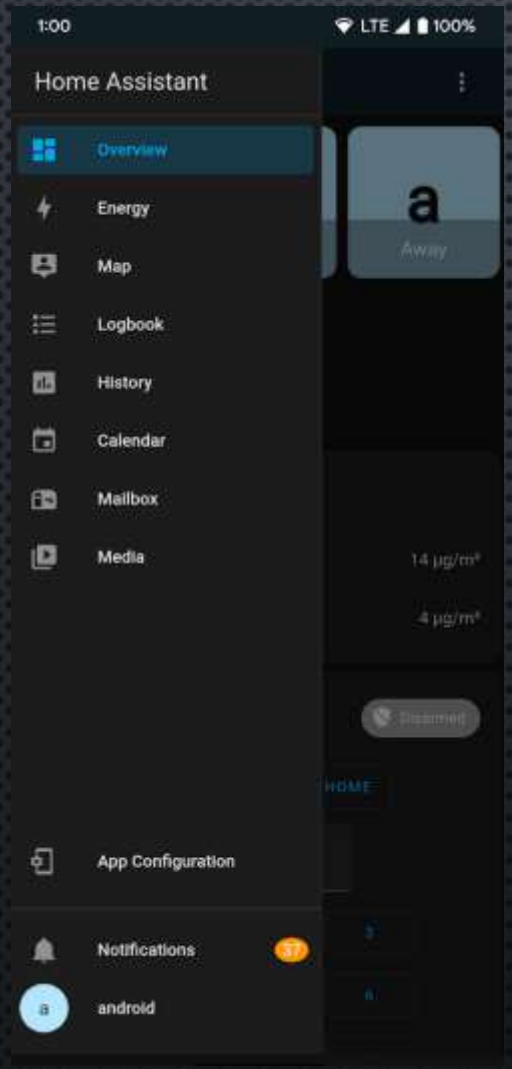
Node-RED

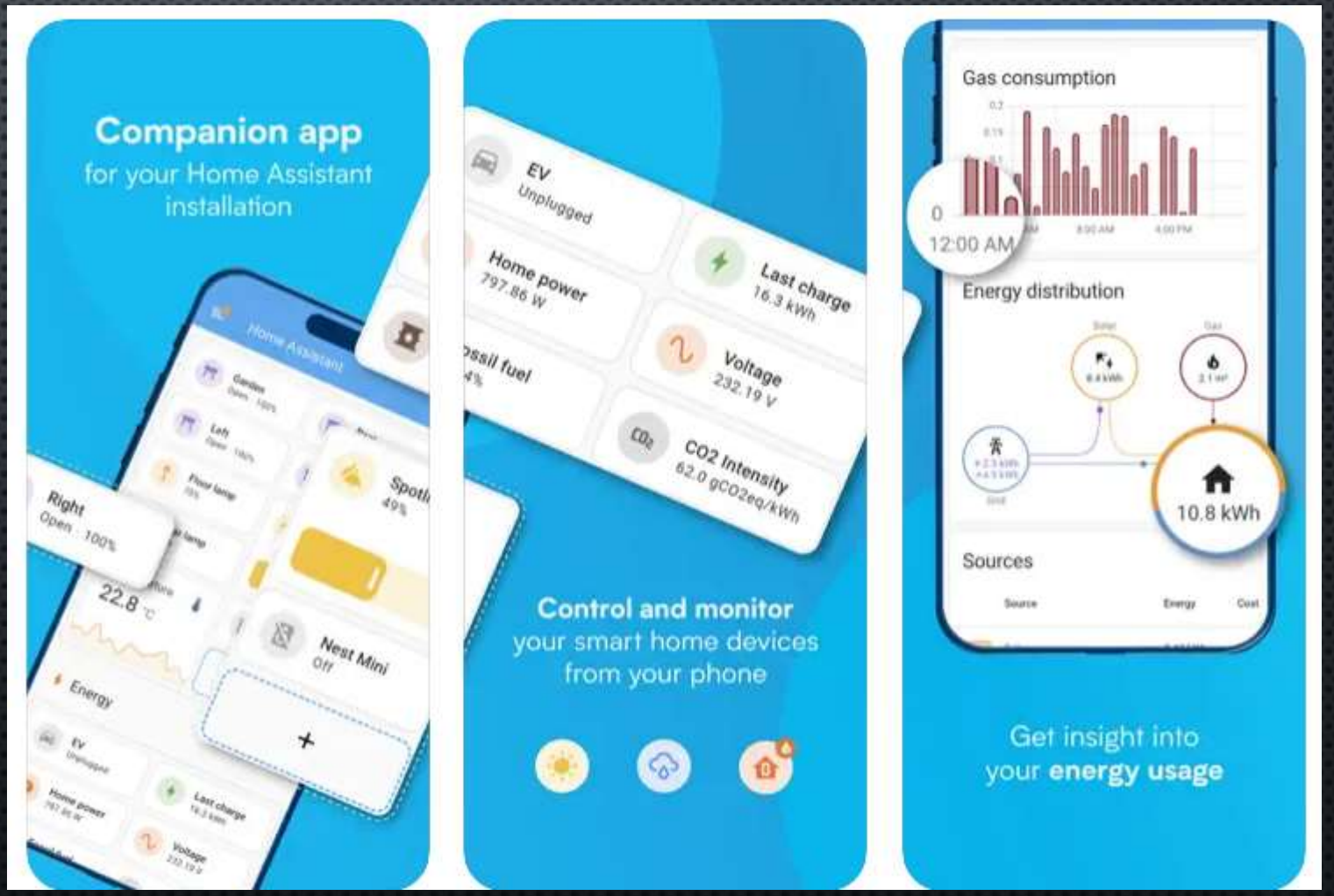
Low-code programming for event-driven applications

Domoticz

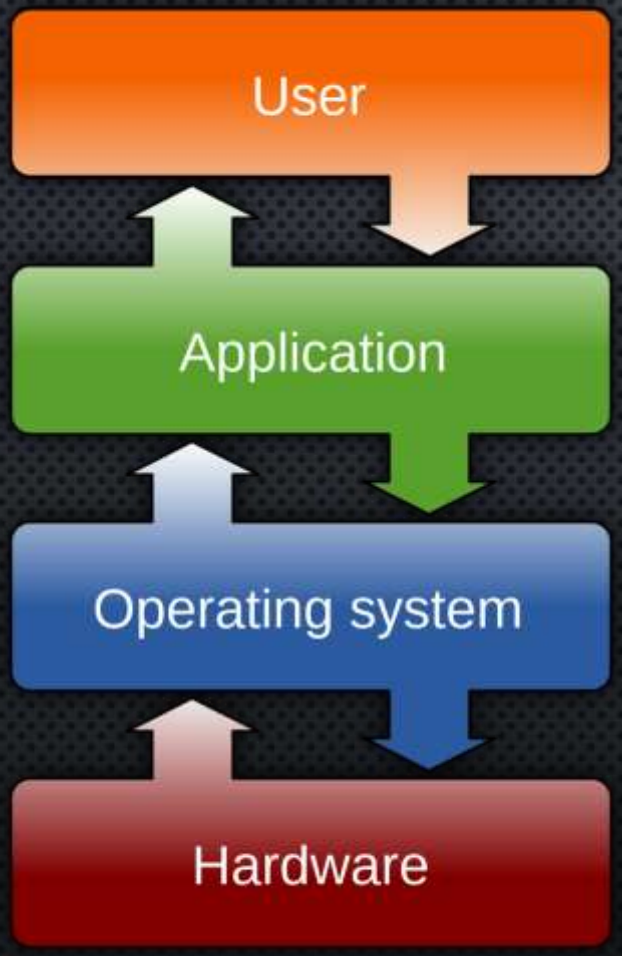
Home Automation Tool

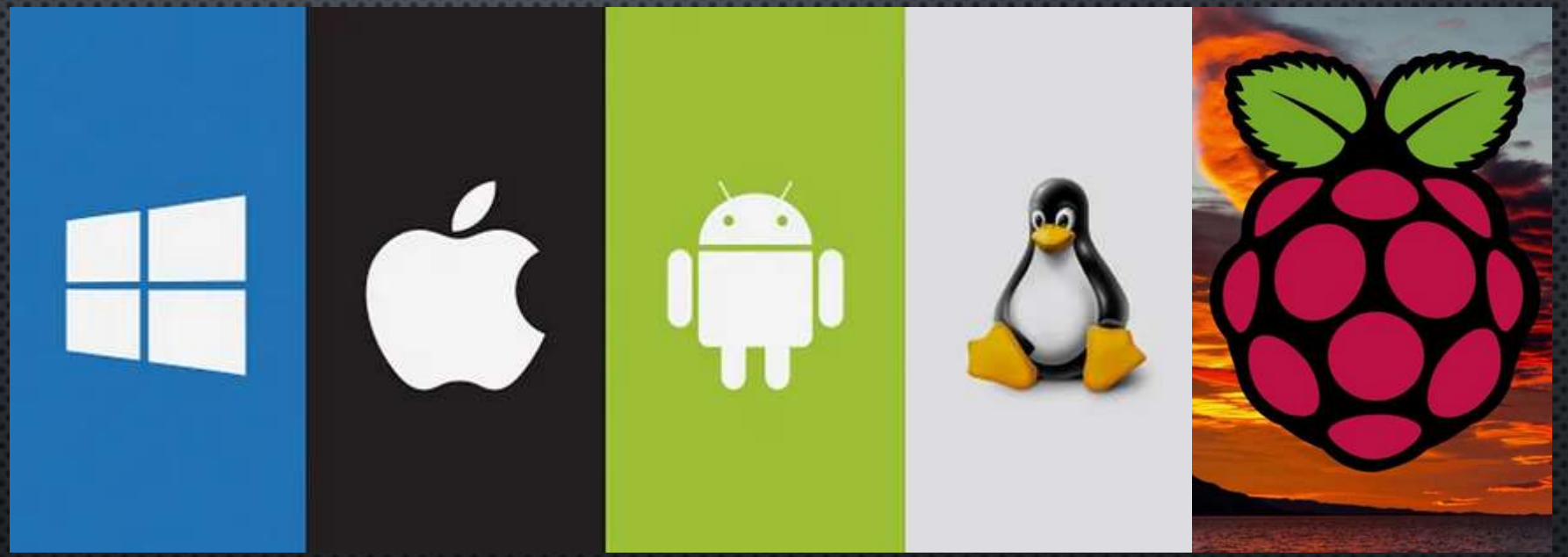
HOME ASSISTANT APP





HOME ASSISTANT INSTALLEREN: OPERATING SYSTEM





HOME ASSISTANT INSTALLEREN

EASIEST

Plug and play with Home Assistant Green

The affordable Home Assistant Green is the easiest way to start using Home Assistant. It's plug-and-play and comes with Home Assistant already installed.

HOME ASSISTANT GREEN

The easiest way to get started with Home Assistant

SKILLS REQUIRED

- Interest in setting up a smart home

TOOLS REQUIRED

- Ethernet connection

Get Home Assistant Green >

View tutorial >

HOME ASSISTANT INSTALLEREN

EASY

DIY with Raspberry Pi

Raspberry Pi, a mini low-cost computer, is one of the most popular platforms for running Home Assistant. If you want to learn how to DIY, this is a good way to start and gain experience.

INSTALL HOME ASSISTANT ON RASPBERRY PI

A low-cost DIY solution to get started with Home Assistant

SKILLS REQUIRED

- Assembling a Raspberry Pi setup
- Flashing a Raspberry Pi

TOOLS REQUIRED

- Raspberry Pi 3, 4 or 5 with power supply
- MicroSD card
- Ethernet connection

Get Raspberry Pi >

View tutorial >

HOME ASSISTANT INSTALLEREN

Install on other hardware

Home Assistant can be repurposed and installed on various hardware, such as an Odroid or a generic x86-64 machine. The Home Assistant Operating System allows you to install Home Assistant on these devices even if you have little to no Linux experience.

INSTALL HOME ASSISTANT ON X86-64 MACHINES

Repurpose workstation hardware to run Home Assistant

SKILLS REQUIRED

- You can use a command line and install a boot medium on your hardware
- You're comfortable configuring the BIOS based on instructions.

TOOLS REQUIRED

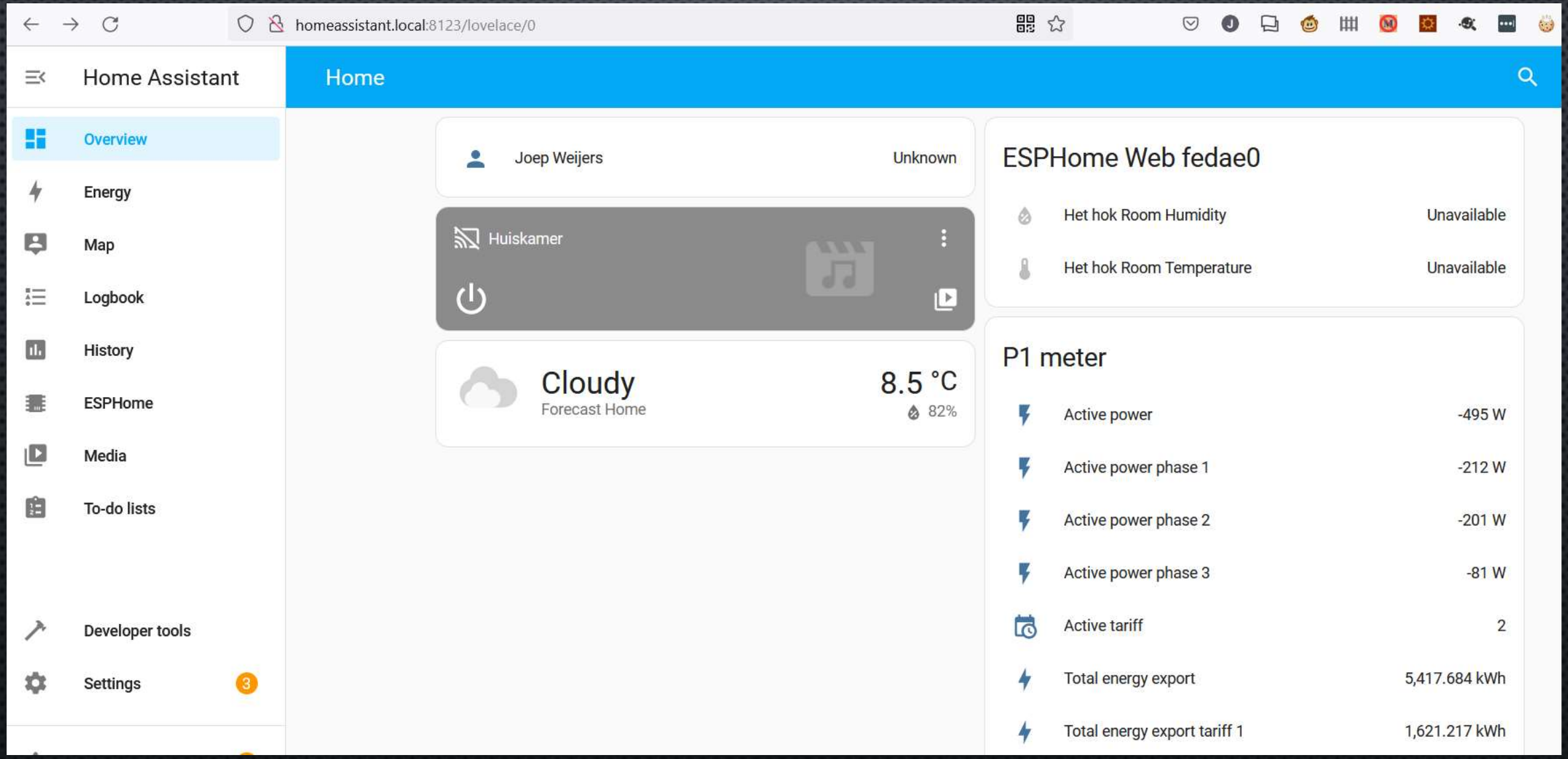
- An x86-64 machine
- Storage hard drive
- USB stick
- Ethernet connection

View tutorial >

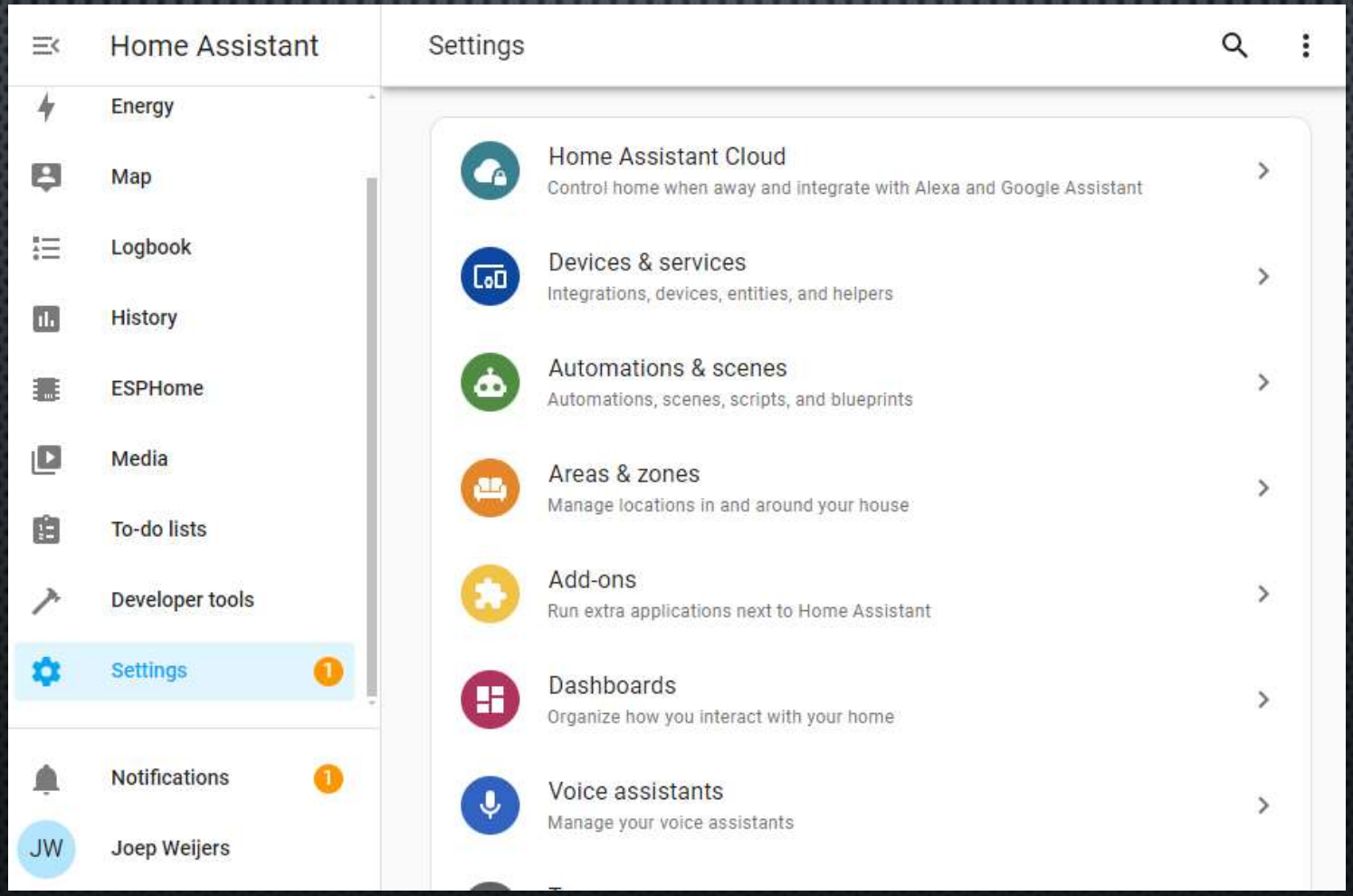
HOME ASSISTANT INSTALLEREN: ANDERE INSTALLATIEMETHODEN

	HA OS[1]	Container[1]	Core[1]	Supervised[1]
Automations	✅	✅	✅	✅
Dashboards	✅	✅	✅	✅
Integrations	✅	✅	✅	✅
Blueprints	✅	✅	✅	✅
Uses container	✅	✅	❌	✅
Supervisor	✅	❌	❌	✅
Add-ons	✅	❌	❌	✅
Backups	✅	✅[2]	✅[2]	✅
Managed Restore	✅	❌[3]	❌[3]	✅
Managed OS	✅	❌	❌	❌

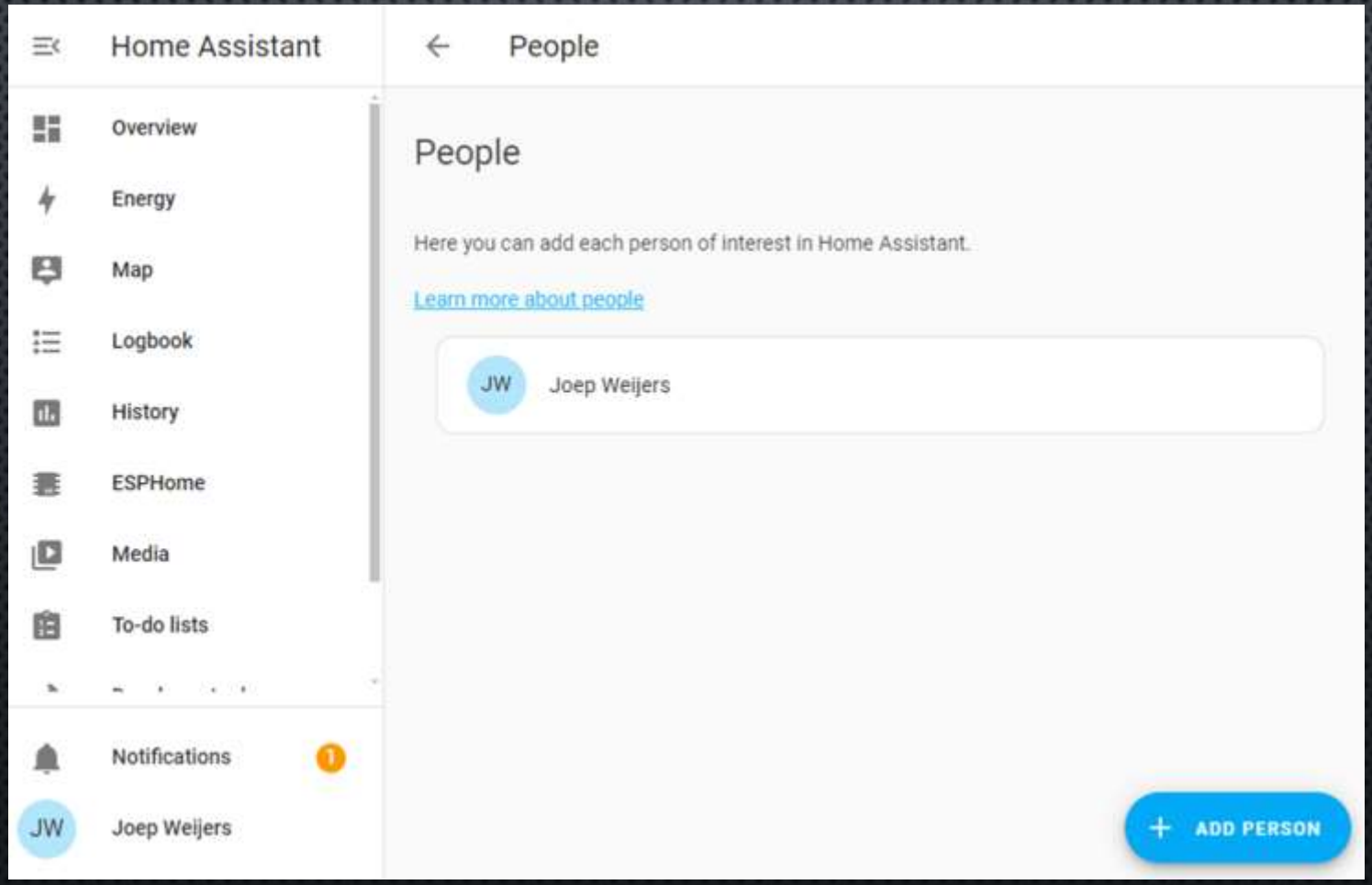
HOME ASSISTANT INSTALLEREN



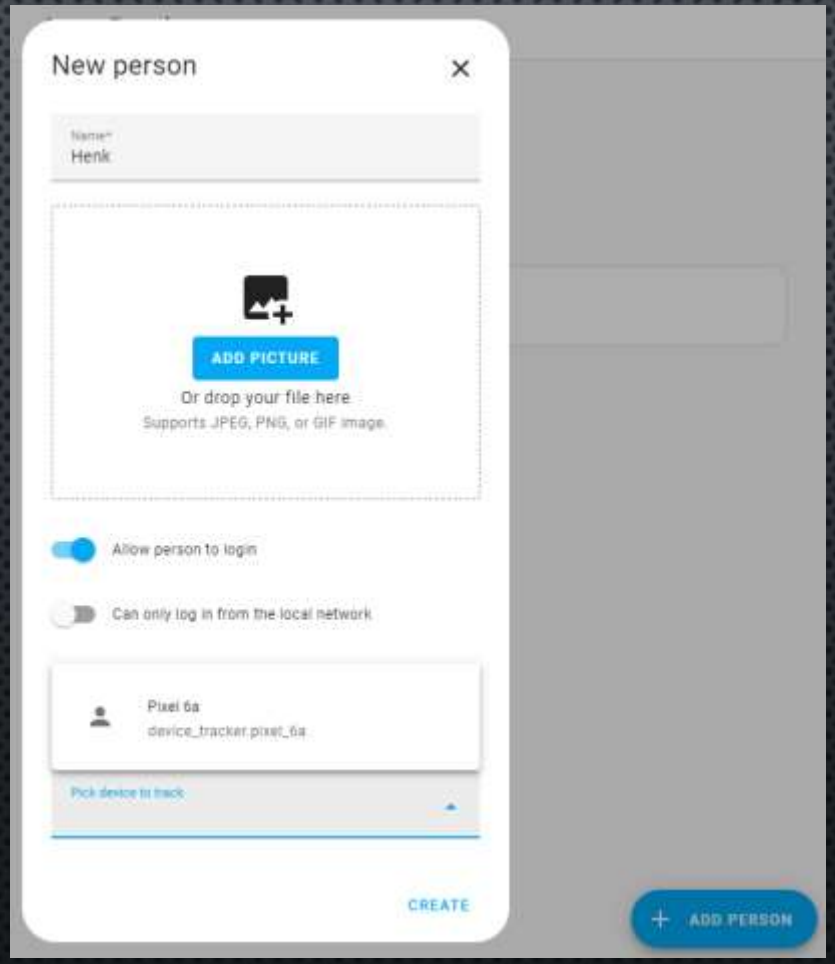
HOME ASSISTANT INRICHTEN: INSTELLINGEN



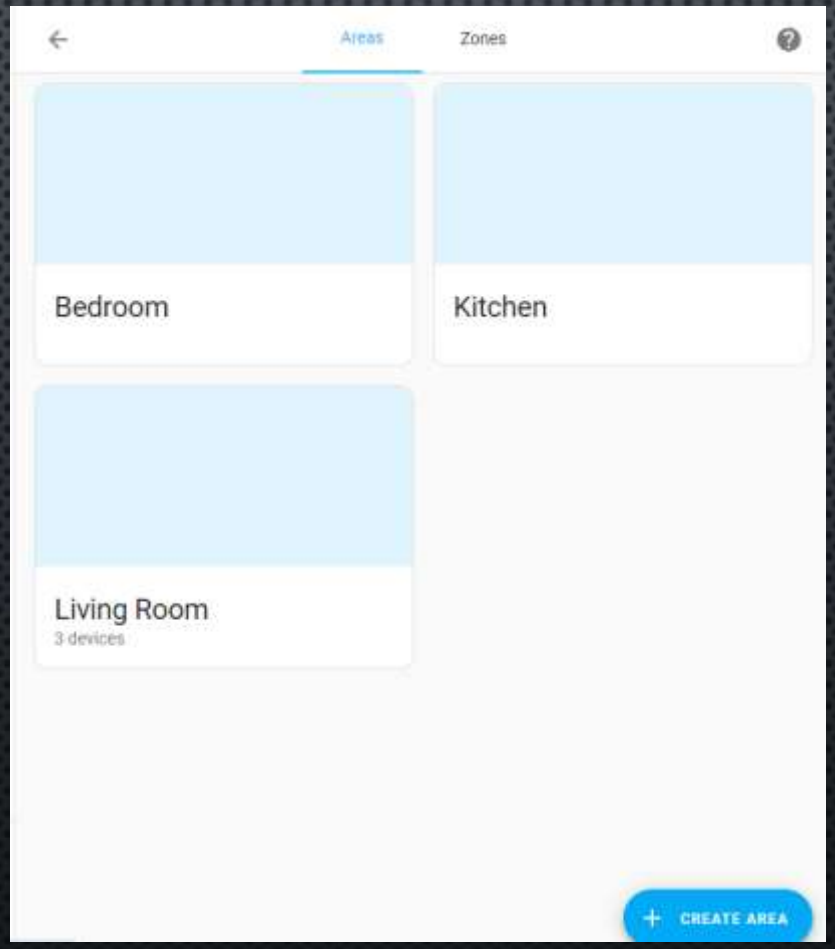
HOME ASSISTANT INRICHTEN: GEBRUIKERS



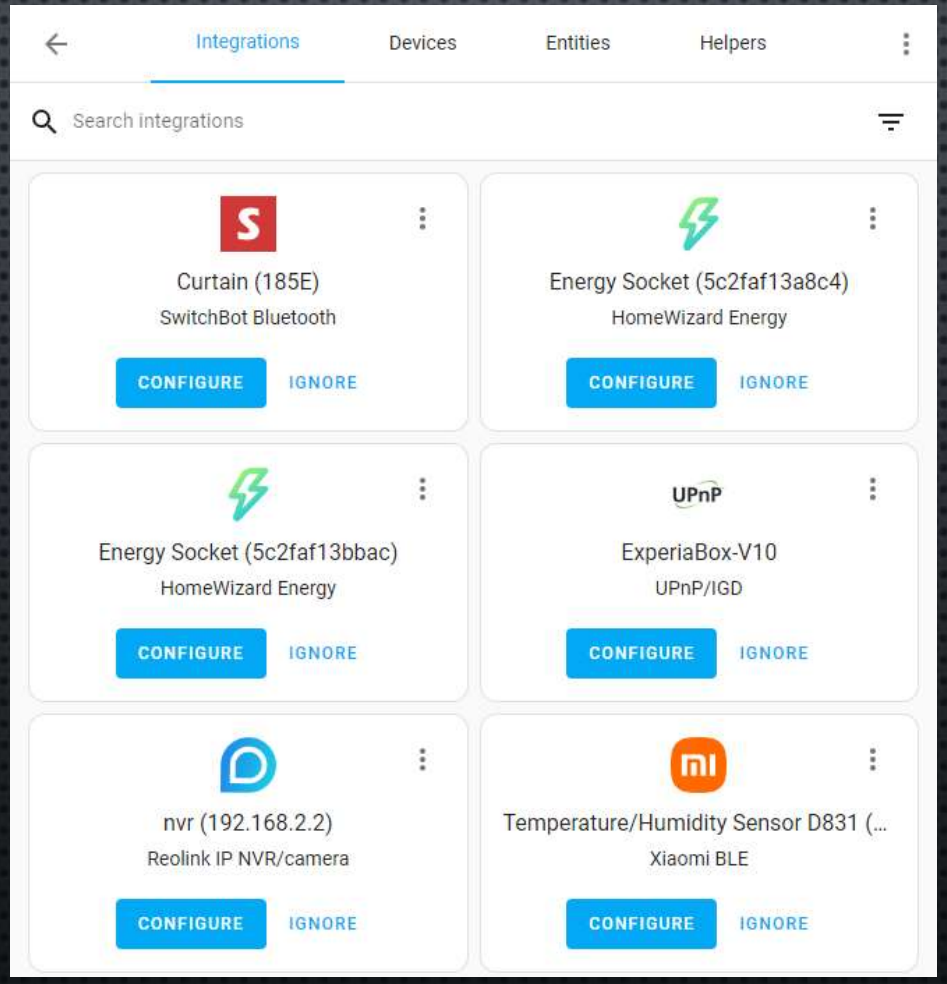
HOME ASSISTANT INRICHTEN: GEBRUIKERS



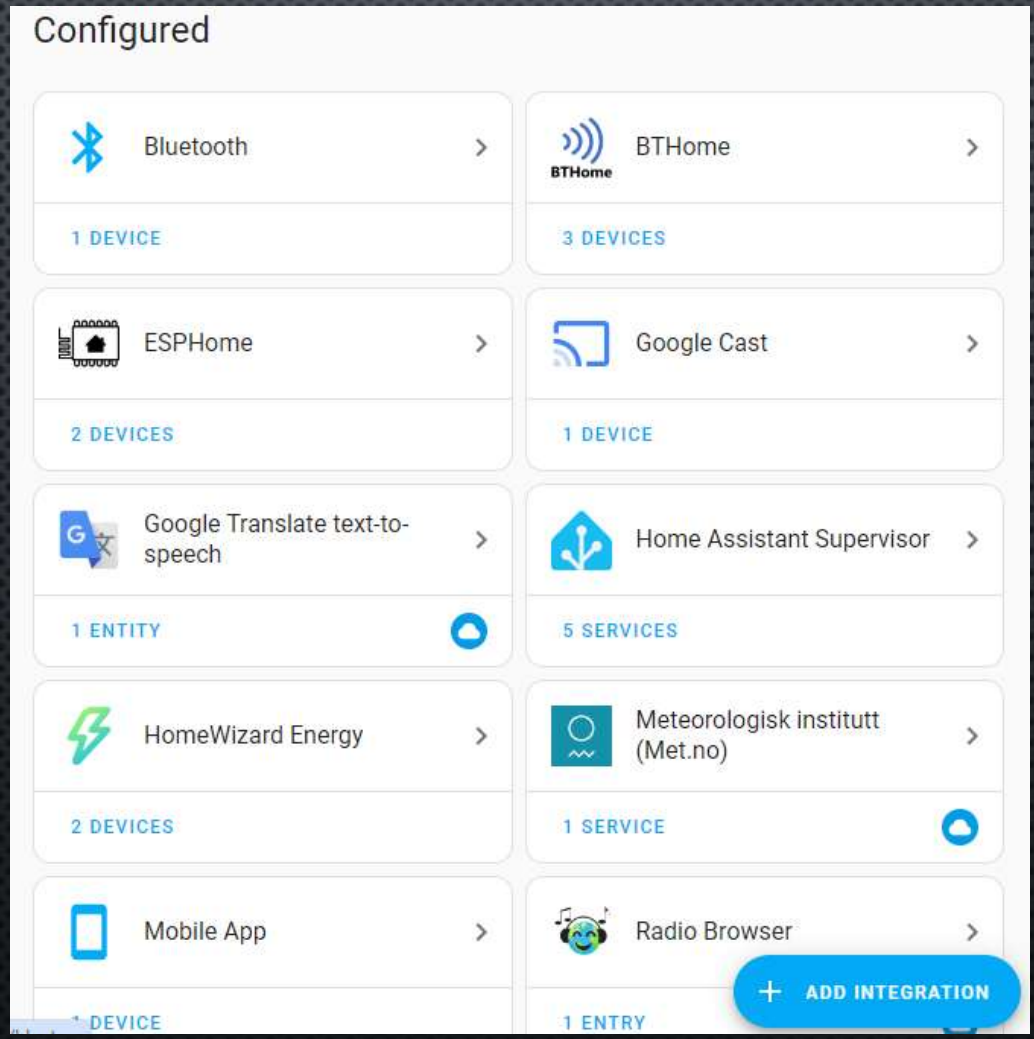
HOME ASSISTANT INRICHTEN: RUIMTES



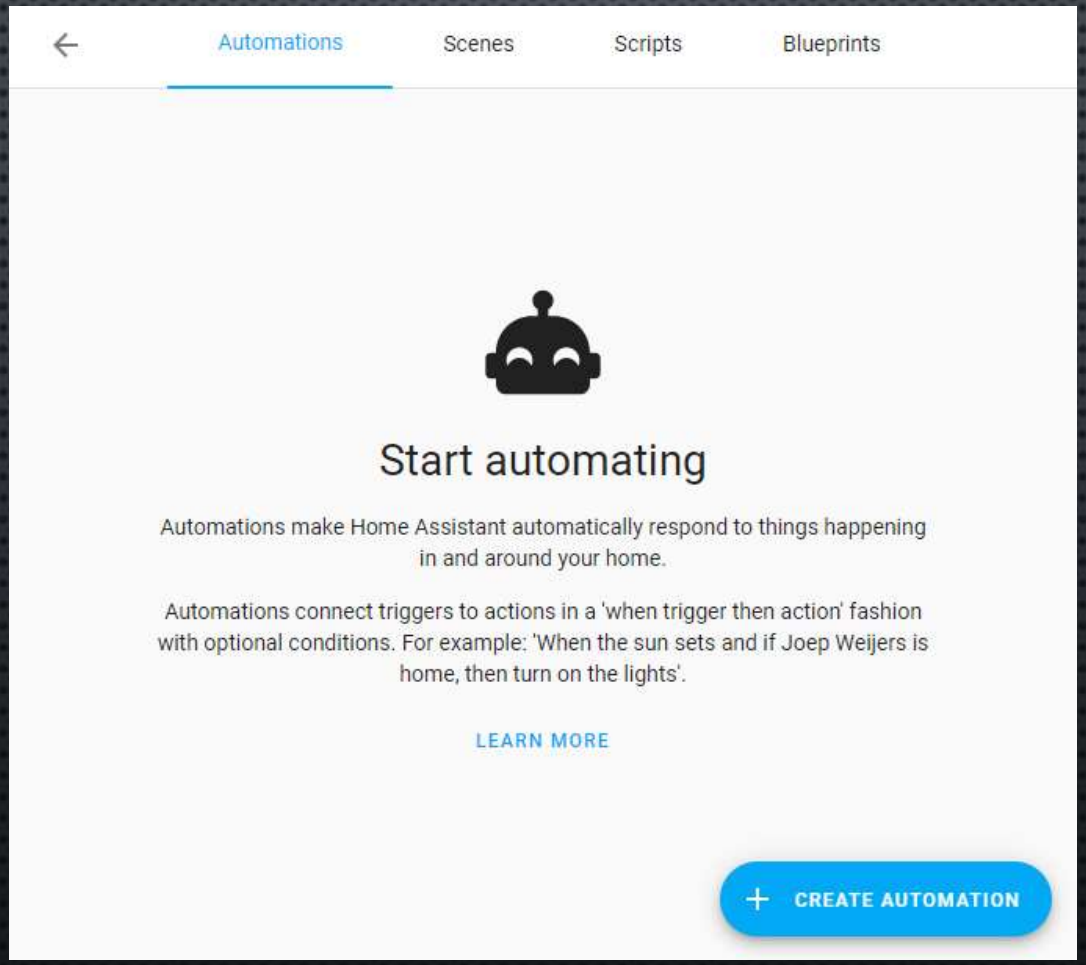
HOME ASSISTANT INRICHTEN: APPARATEN



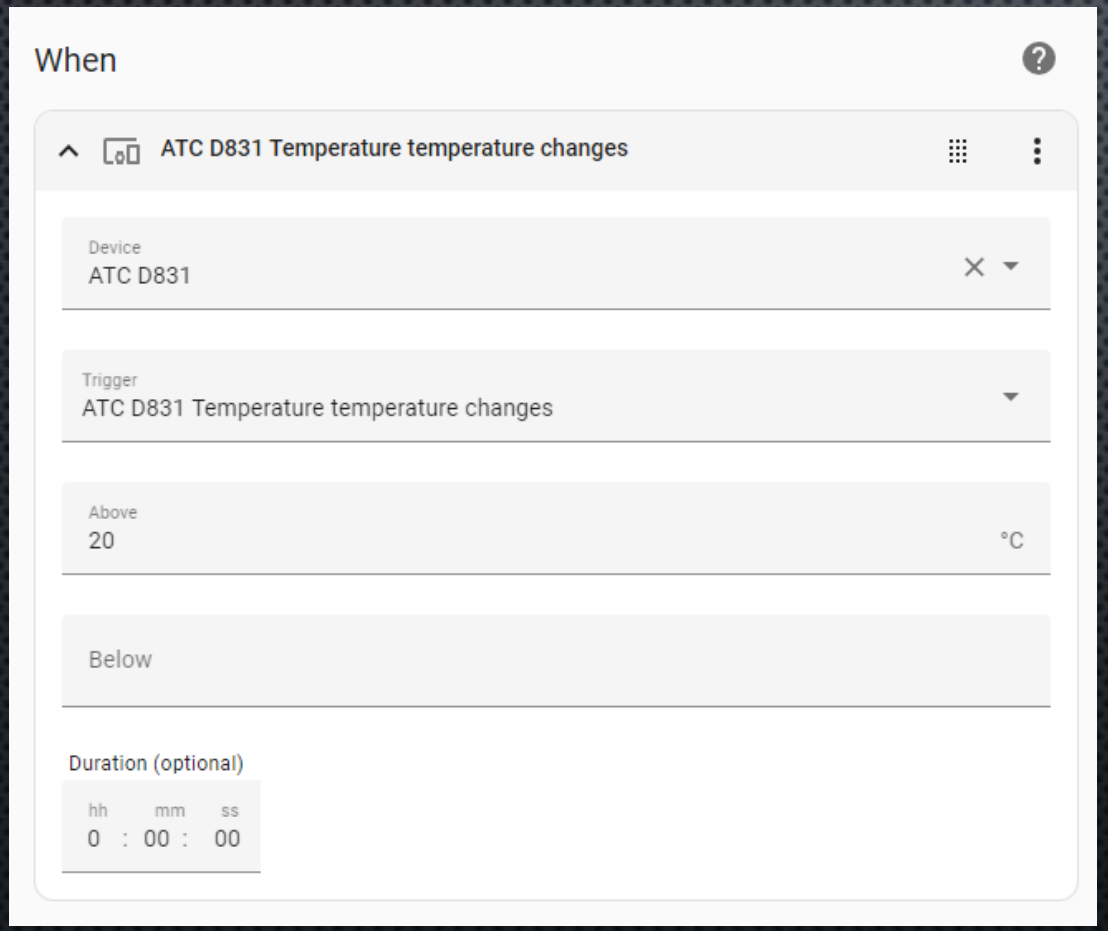
HOME ASSISTANT INRICHTEN: APPARATEN

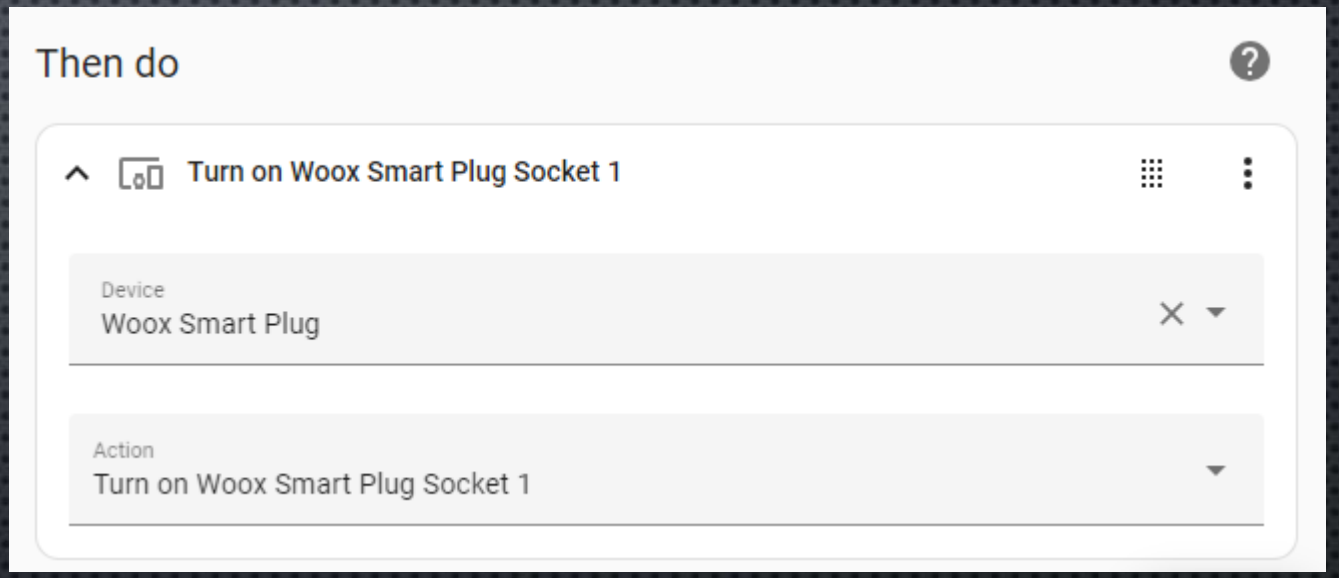


HOME ASSISTANT INRICHTEN: AUTOMATION

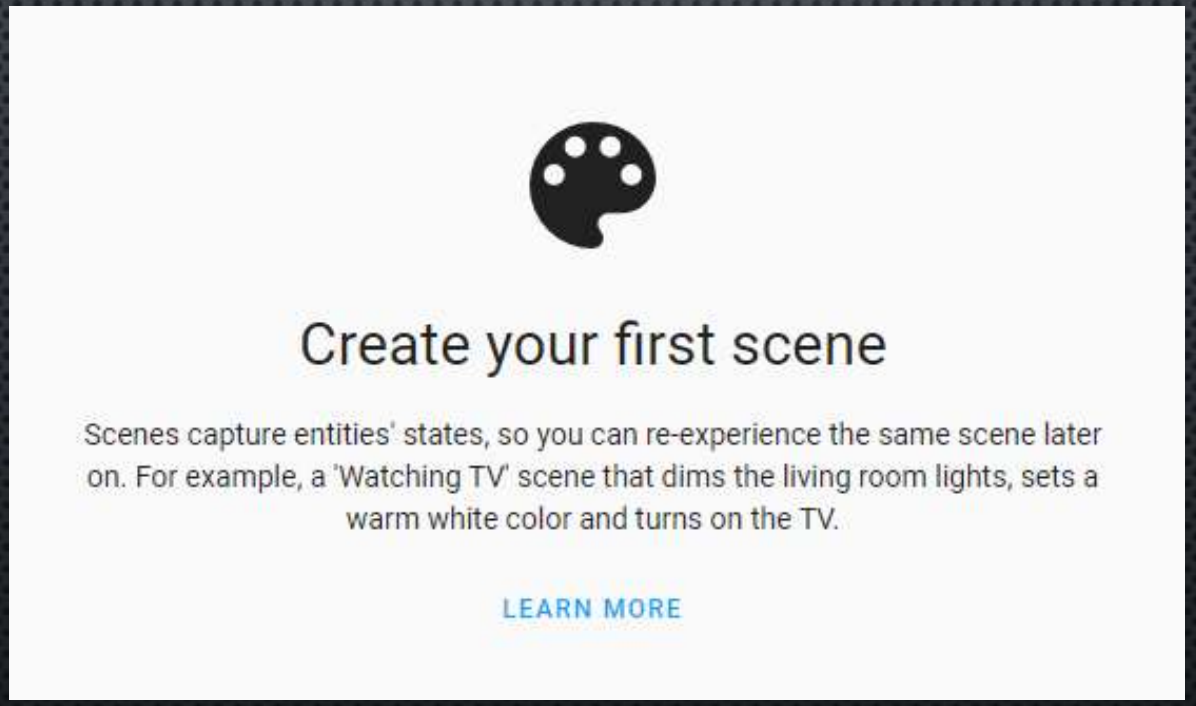


HOME ASSISTANT INRICHTEN: AUTOMATION

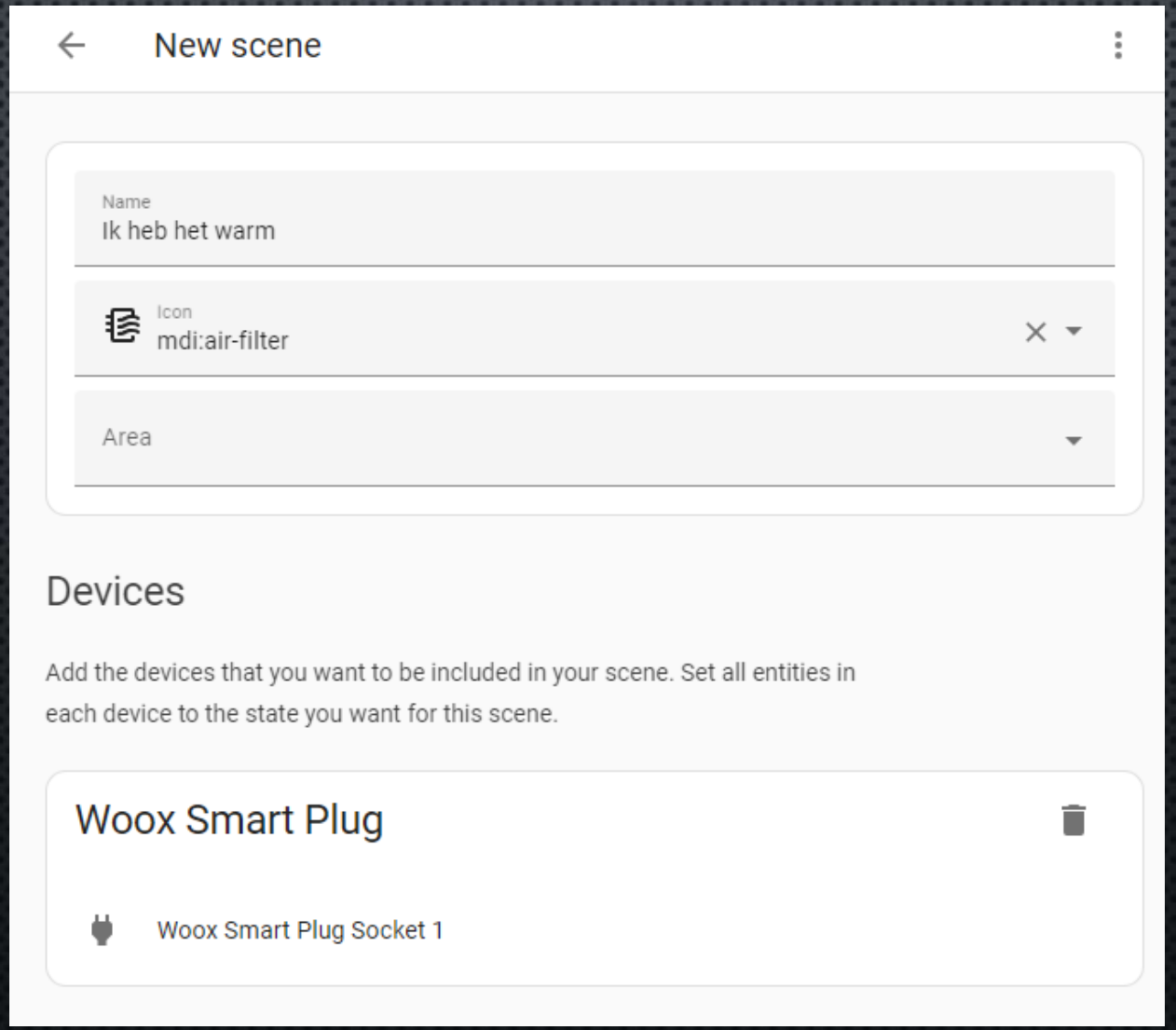




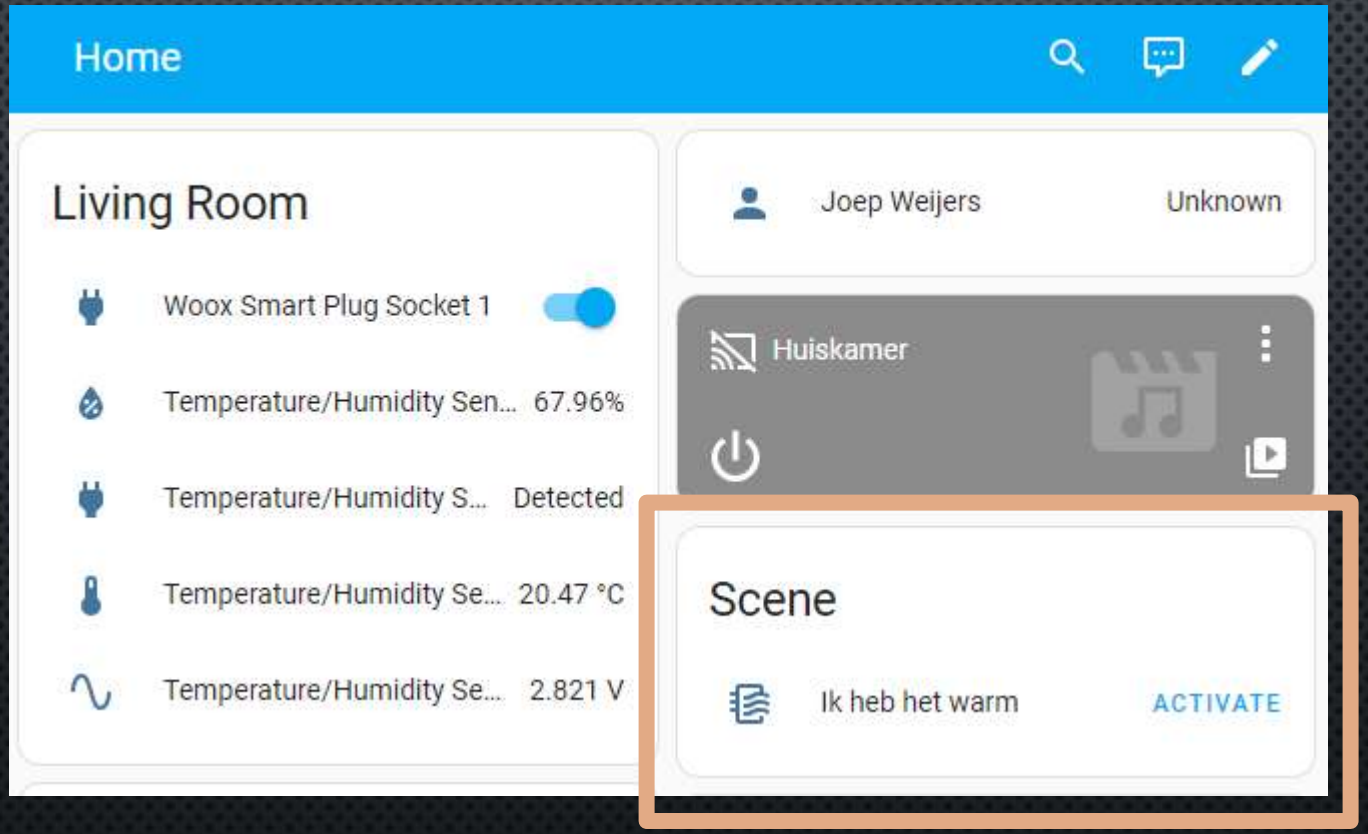
HOME ASSISTANT INRICHTEN: SCENE



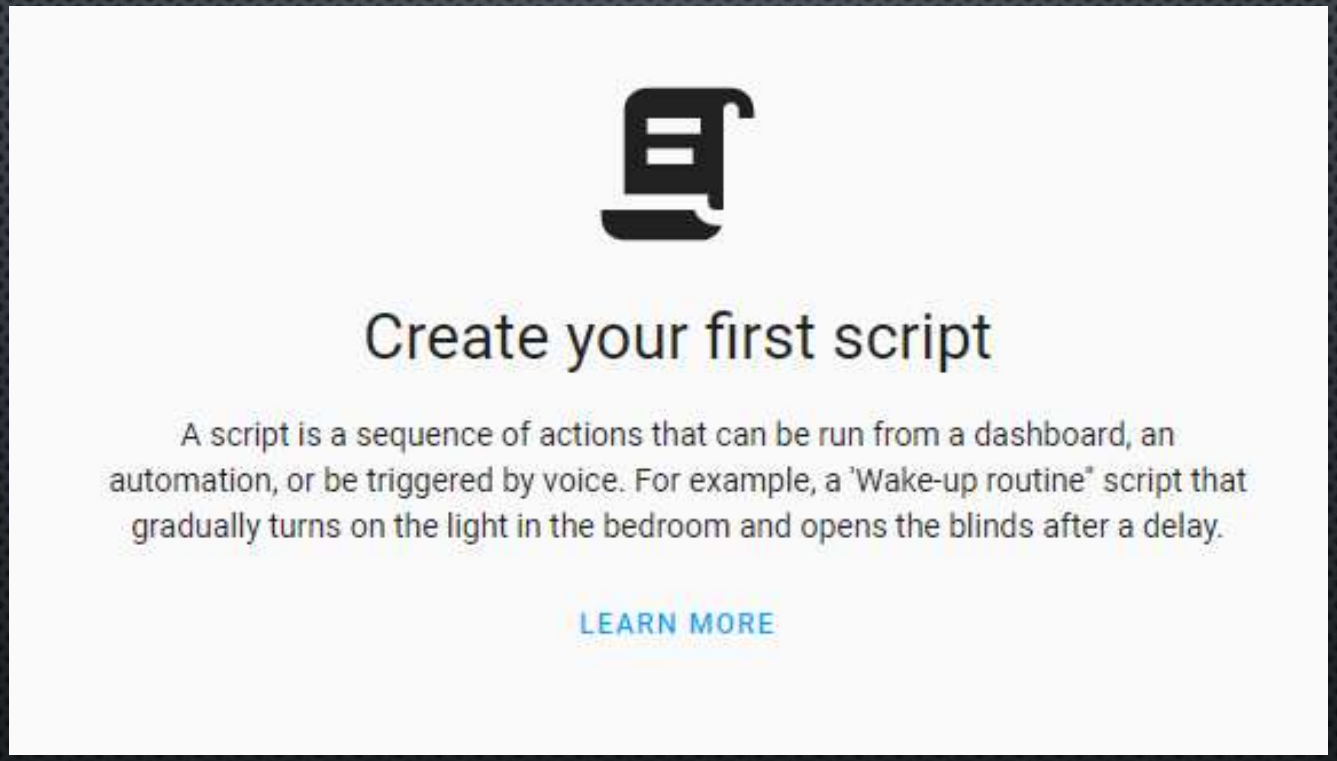
HOME ASSISTANT INRICHTEN: SCENE



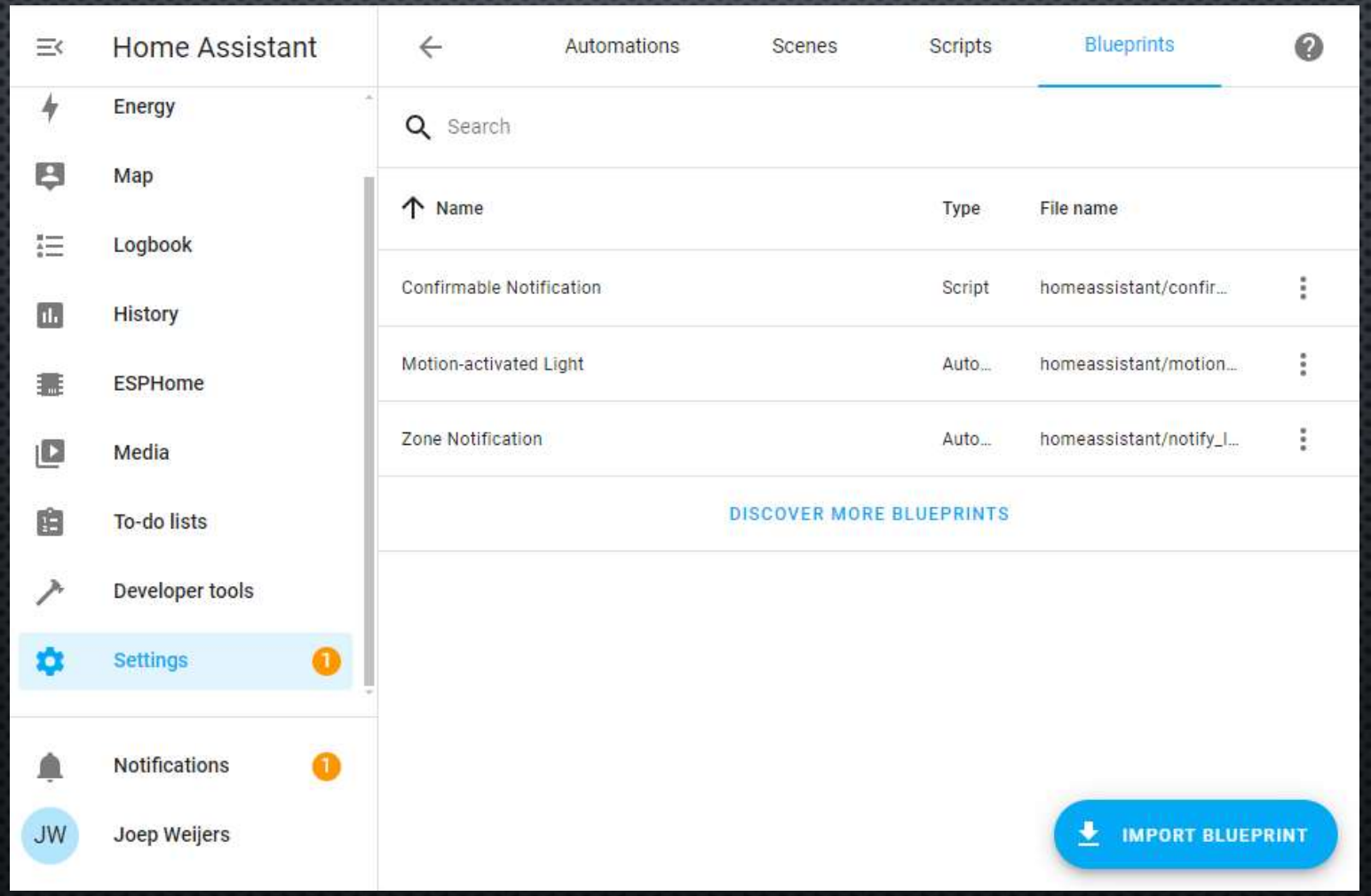
HOME ASSISTANT INRICHTEN: SCENE ACTIVEREN



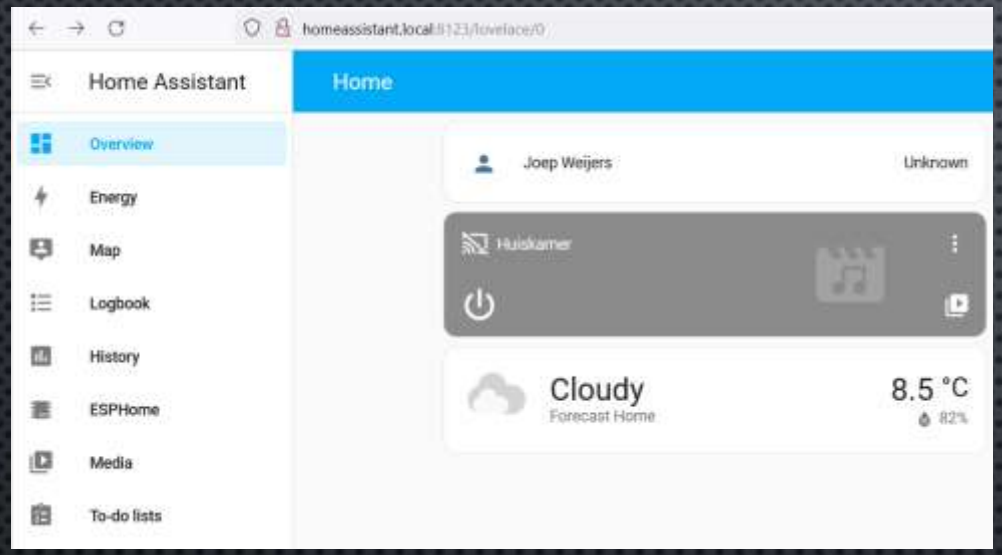
HOME ASSISTANT INRICHTEN: SCRIPT



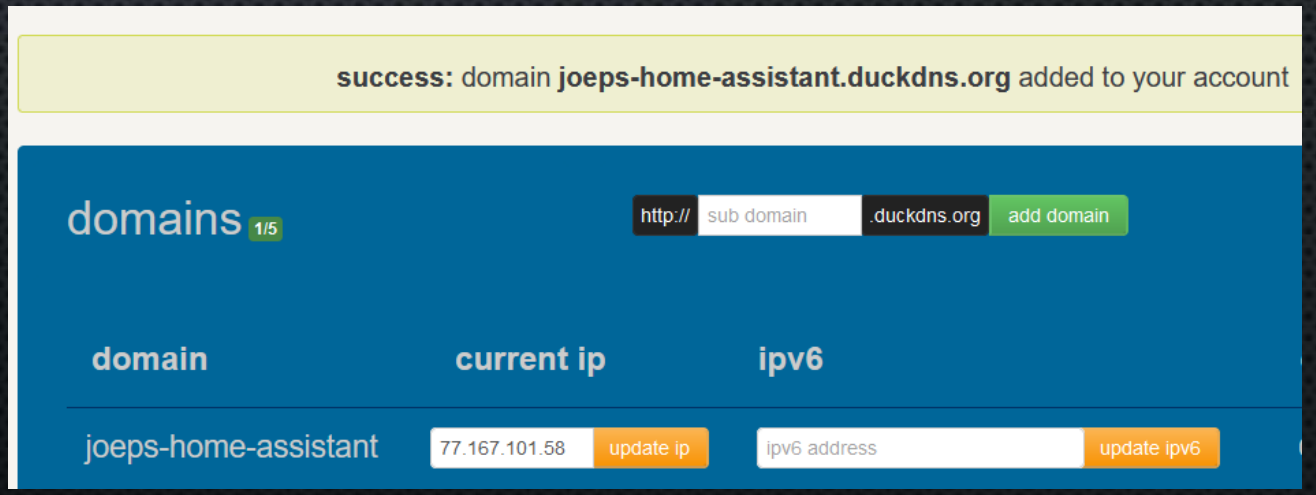
HOME ASSISTANT INRICHTEN: BLUEPRINTS



HOME ASSISTANT OVERAL BEREIKBAAR



WIFI



HOME ASSISTANT CLOUD

The missing cloud piece for Home Assistant, by the founder of Home Assistant. Control your Home Assistant from anywhere. Fully encrypted.

Start a free 31 day trial

After the trial, it will charge a monthly or annual fee. For more available plan details, see pricing

Access from anywhere

No longer worry if you left the garage door open. Quickly access your Home Assistant instance from your phone, your favorite coffeeshop or at work.

All data is fully encrypted between your device and your Home Assistant instance. No snooping.

Assist

works with the Google Assistant

WORKS WITH alexa

Easily connect to voice assistants

With Home Assistant Cloud, you can control your Home with your voice using Assist, our own voice assistant.

Assist works on a series of devices such as Android, Wear OS, iPhone, Apple Watch, and others.

You can still connect to both Google Assistant and Amazon Alexa to use the Amazon Echo or Google Home.

SPELEN MET HOME ASSISTANT

- Maak 4 groepen
- 1 groep: Bluetooth
  - Gordijn
  - Wifi stekker

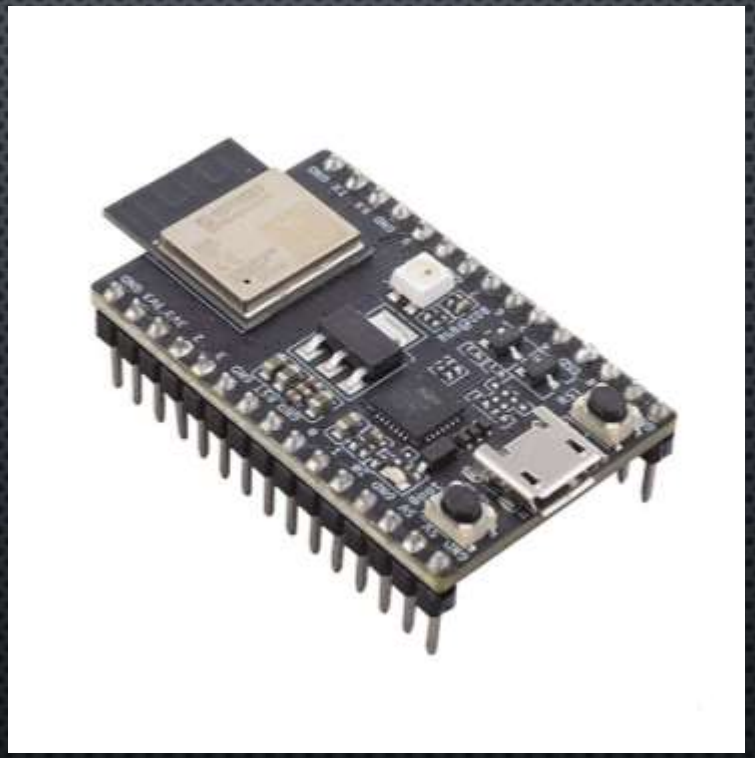
- 3 groepen:
  - Temperatuur sensor
  - Lamp

SPELEN MET HOME ASSISTANT

- Ga met je groep bij elkaar zitten
- Verbindt met het wifi HomeAssistant
- Ga met je browser naar:
  https://ha1.local:8123
  https://ha2.local:8123
  https://ha3.local:8123
  https://ha4.local:8123
- Maak accounts aan voor je groep (Settings -> People)
- Voeg een ruimte “groepsnaam” toe (Settings -> Areas & Zones)
- Voeg de apparaten toe (Settings -> Devices & Services)
- Geef de apparaten op het dashboard weer
- Probeer Automations en Scenes te maken. Wees creatief!

VOORBEELD VERBINDING SMART HOME: BLUETOOTH OVER WIFI

BLUETOOTH



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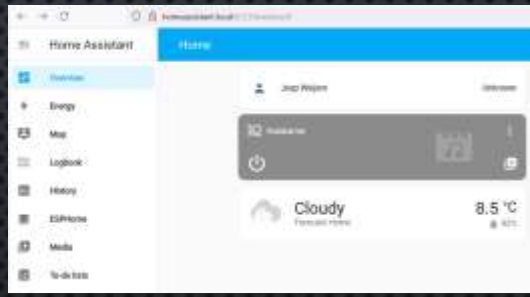

HOME ASSISTANT TIPS

- Gebruik Zones voor locatie gebaseerde functies
- Zet Advanced Mode aan
- Gebruik MultiFactor Authenticatie
- Maak Backups

- Zet SSH aan
- HACS: Home Assistant Community Store
- File editor add-on

VOLGENDE SESSIE:
DINSDAG 14 MEI 20:00

CURSUSAVOND 6: 28 MEI

HTTPS://GITHUB.COM/VUGHTSEPROGRAMMEERCLUB/VPC-IOT/