

Introduktion til Home Assistant

- Awaken your home

Velkommen 🏠

Home Demo

af [Home Assistant](#)

NÆSTE DEMO

Velkommen hjem! Du er kommet til Home Assistants demo hvor vi viser de bedste brugerflader skabt af vores fællesskab.

Dette betjeningspanel bruger afsnitsvisningen, der er udgivet i Home Assistant 2024.3. Lær mere om det i dette [blogindlæg](#).

[LÆS MERE OM HOME ASSISTANT](#)

Stue

Floor lamp
70%Bar lamp
TændtTemperature
22,8 °CSpotlights
49%Blinds
Åben - 100%Nest mini
Til

Køkken

Shutter
Åben - 100%Worktop
SlukketFridge
LukketSpotlights
SlukketNest Audio
Til

Energi

EV
Ikke tilsluttet strømHome power
797,86 WFossil fuel
9,84%Last charge
16,3 kWhVoltage
232,19 VCO2 Intensity
62,0 gCO2eq/kWh

Klima

Sun
Over horisontenRain
7,2 mmDownstairs
Komfort - 20,8 °CUpstairs
Komfort - 21,7 °C

- 21,0 °C +

- 21,0 °C +

Kontor

Shutter
Åben - 100%Spotlights
Slukket

Udendørs

Door light
100%Flood light
Slukket

Opdateringer

Auto-update
FraSupervisor
OpdateretOS
OpdateretCore
Opdateret

Open Source

hjemme automation med fokus på styring og privacy

Agenda

-  Hvad er HA
-  Arkitektur og hardware
-  Koncepter og terminologi
-  Dashboards
-  Mine egne erfaring
 - Do's and Don'ts
 - Eksempler på automationer
-  Q&A



Lasse Hamer Hedeby

- Senior Automation Programming Engineer @ VELUX
- Hjemme automation siden 2010
- Home Assistant siden 2014

Home Assistant

- On-prem
- Privacy
- No cloud needed
- Open source
- Community based



Home Assistant History

Fra privat project til globalt Smart Home eco-system

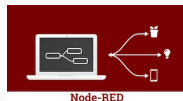


Arkitektur og hardware

Arkitektur

API til at håndtere
installation og
updates

Core funktioner og
Integrations



HA
Supervisor

HA Core

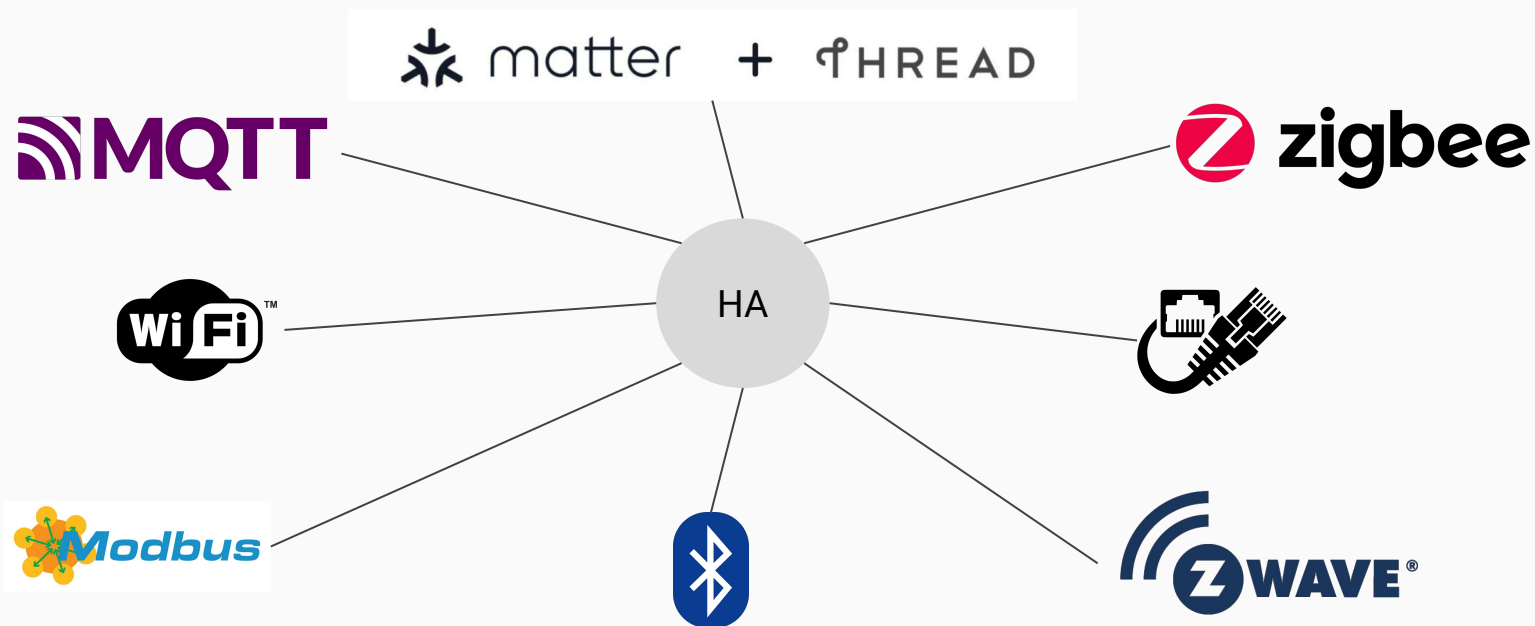
Add-Ons

Docker

Operating System
HAOS, Debian, Ubuntu, etc.

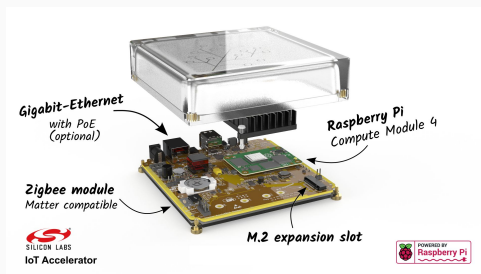
Hardware
RPI, x86, ARM, NUC, etc.

Eco-system

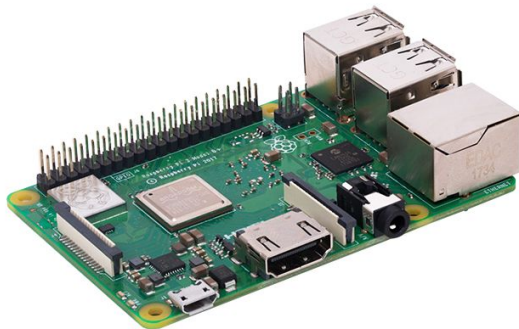


Hardware

Home Assistant Green / Yellow



Raspberry Pi



x86



Hardware

THREAD



zigbee



ZWAVE®



Koncepter og terminologi

Integrations

Integrations er stykker af software, der gør det muligt for Home Assistant at forbinde med andet software og andre platforme.



Amazon Alexa



ecobee



ESPHome



Google Assistant



Google Cast



HomeKit Bridge



IKEA TRÅDFRI



KNX



Leviton Z-Wave



Lutron Caséta



MQTT



Philips Hue



Plex Media Server



Shelly



SmartThings



Sonos



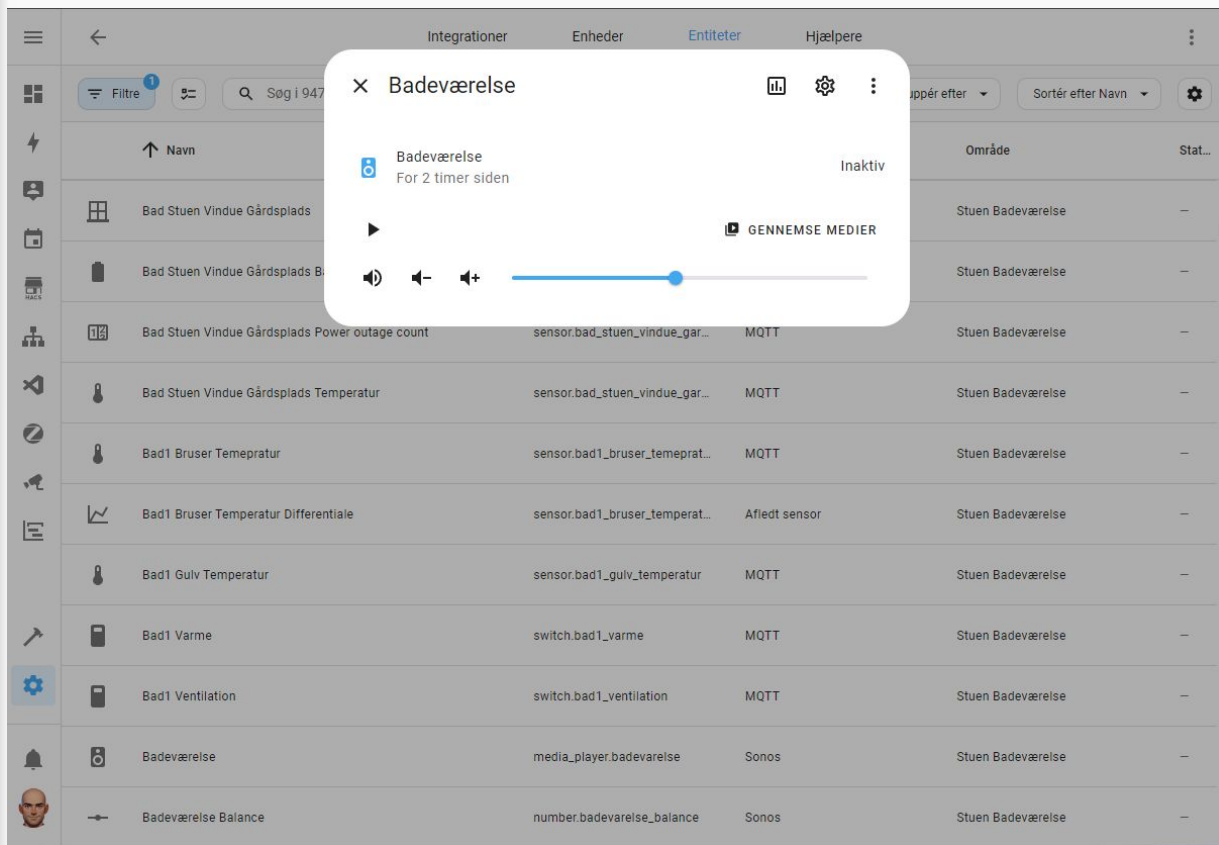
Z-Wave



Zigbee Home
Automation

Entities

Entities er de grundlæggende byggesten til at holde data i Home Assistant. En entity repræsenterer en sensor, aktør eller funktion i Home Assistant. Entities bruges til at overvåge fysiske egenskaber eller til at styre andre enheder. En entity er normalt en del af en device eller en tjeneste. Entities har tilstande.



Devices

Devices er en logisk gruppering af en eller flere entities. En device kan repræsentere en fysisk device, som kan have en eller flere sensorer. Disse sensorer vises som entities, der er tilknyttet den pågældende device.

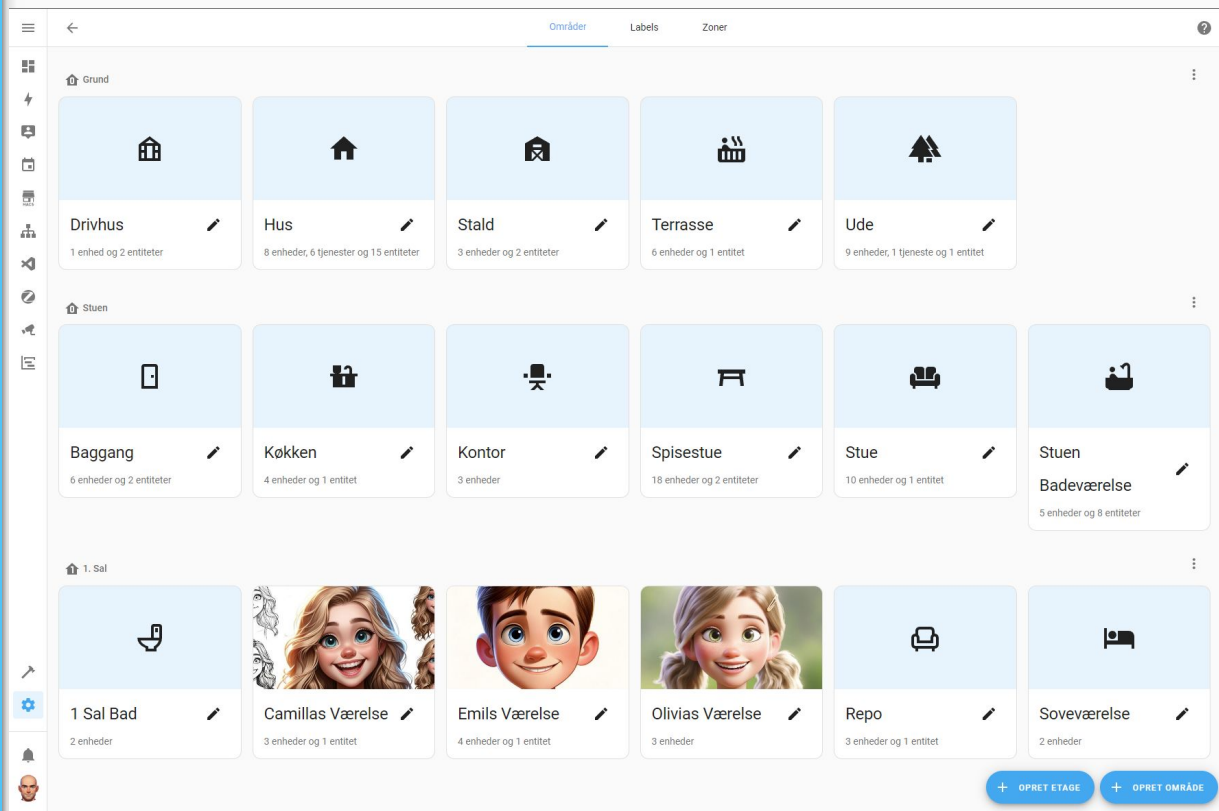
The screenshot shows the Home Assistant interface for a device named "Baggang Smoke". The interface is organized into several sections:

- Enhedsoplysninger (Entity Information):** Displays the device name "Baggang Smoke", its type "Smoke detector with siren (SMSZB-120) af Develco", and its connection details "Forbundet via Zigbee2MQTT Bridge" and "Firmware: 4.0.8". It also shows the MQTT connection status and a link to "Skift enhedstypen for en kontakt".
- Kontrollementer (Controls):** Includes a toggle for "Alarm (Skjult)" and "Alarm", and a slider for "Max duration" set to 240 seconds.
- Sensorer (Sensors):** Lists several sensors: "Fault" (Fra), "Reliability" (no_fault_detected), "Røg" (Ikke registreret), and "Temperatur" (24,75 °C). A note indicates "+1 entitet skjult".
- Konfiguration (Configuration):** Shows the device name "Baggang Smoke" and its status "Opdateret".
- Logbog (Log):** A list of recent events, including "Baggang Smoke Batteri var normal", "Baggang Smoke Fault blev slukket", "Baggang Smoke blev slukket", "Baggang Smoke Røg ingen røg registreret", "Baggang Smoke Reliability ændret til no_fault_detected", and "Baggang Smoke Test blev slukket".
- Automatiseringer (Automations):** A list of automations, including "ALARM: Røg registreret", "ALARM: Tilkoblet hjemme", "Røgalarmer Sluk", "ALARM: Frakoblet", and "ALARM: Tilkoblet ude".
- Scener (Scenes):** A section indicating that no scenes have been added yet.

The interface also features a sidebar with navigation icons and a top bar with a battery status indicator (80%) and the MQTT logo.

Area

Et område i Home Assistant er en logisk gruppering af devices og entities, der er beregnet til at matche områder (eller rum) i den fysiske verden: dit hjem. For eksempel grupperer stue devices og entities i din stue. Områder giver dig mulighed for at målrette servicekald mod en hel gruppe af enheder.



Automationer

Et sæt gentagelige handlinger, der kan opsættes til at køre automatisk. Automatiseringer består af tre nøglekomponenter:

- Trigger
- Conditions
- Action

Baggang Lys SPORING ?

Når ?

- ▼ Når Baggang Motion Tilstedeværelse skifter fra Registreret til Ikke registreret i 5:00
- ▼ Når Baggang Motion Tilstedeværelse skifter fra Ikke registreret til Registreret

+ TILFØJ UDLØSER

Og hvis (valgfrit) ?

- ▼ Tjek, om nogen af 2 betingelser matcher
- ▼ Bekræft, at Baggang Lys har Slukket i 15:00
- ▼ Tjek, om nogen af 2 betingelser matcher

+ TILFØJ BETINGELSE + TILFØJ BYGGEKLODS

Så gør ?

- ▼ Udfør en handling betinget og fald tilbage til en anden handling

+ TILFØJ HANDLING + TILFØJ BYGGEKLODS

Scripts

Ligesom automatiseringer er scripts gentagelige handlinger, der kan køres. Forskellen mellem scripts og automatiseringer er, at scripts ikke har triggere. Dette betyder, at scripts ikke kan køre automatisk, medmindre de bruges i en automatisering.

The screenshot shows a user interface for managing scripts. At the top, there are tabs for 'Automatiseringer', 'Scener', 'Scripts' (which is selected), and 'Blueprints'. Below the tabs, there is a search bar with the text 'Søg i 2 scripts' and two dropdown menus: 'Gruppér efter Kategori' and 'Sortér efter Navn'. The main area displays a list of scripts. The first script is 'Cast til Køkken', which was triggered on '25. jan., 14.47'. The second script is 'Sonos TTS', which was triggered 'for 3 timer siden'. A sidebar on the left contains various icons for different smart home functions. At the bottom right, there is a blue button with a plus sign and the text 'TILFØJ SCRIPT'.

↑	Navn	Senest udløst	
Ugrupperet			
	Cast til Køkken	25. jan., 14.47	⋮
	Sonos TTS	for 3 timer siden	⋮

Scenes

Scener giver dig mulighed for at oprette foruddefinerede indstillinger for dine enheder. Ligesom førerprofiler i biler kan det ændre et miljø for at passe til dine behov. For eksempel kan din "se film"-scene dæmpe belysningen, tænde for TV'et og skrue op for lyden.

← Office Streaming Scene

Name
Office Streaming Scene

 Icon
mdi:camera

×

▼

Area
▼

Devices

Add the devices that you want to be included in your scene. Set all entities in each device to the state you want for this scene.

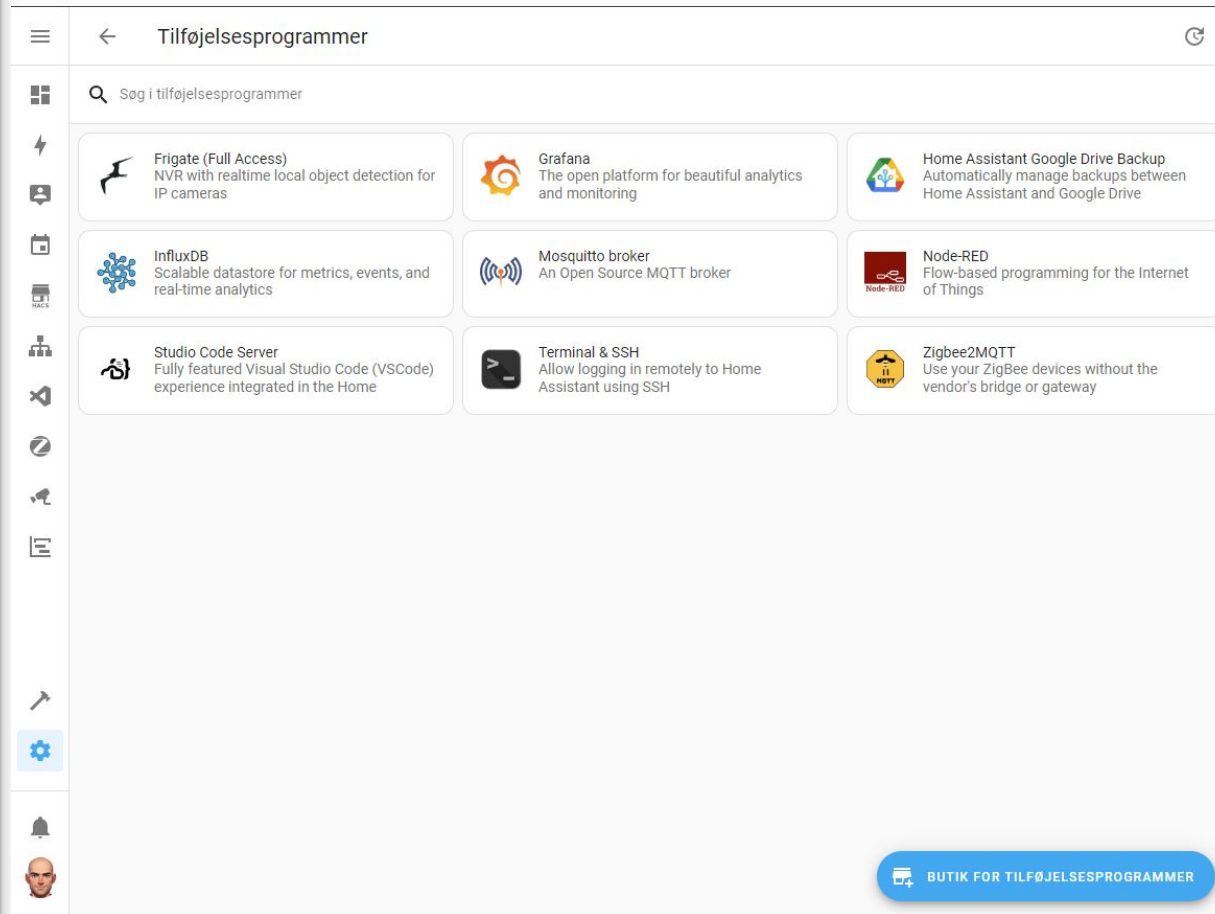
Office Aurelle

 Office Aurelle



Add-ons

Add-ons er tredjepartsapplikationer, der leverer ekstra funktionalitet i Home Assistant. Add-ons kører direkte ved siden af Home Assistant, mens integrationer forbinder Home Assistant med andre apps.



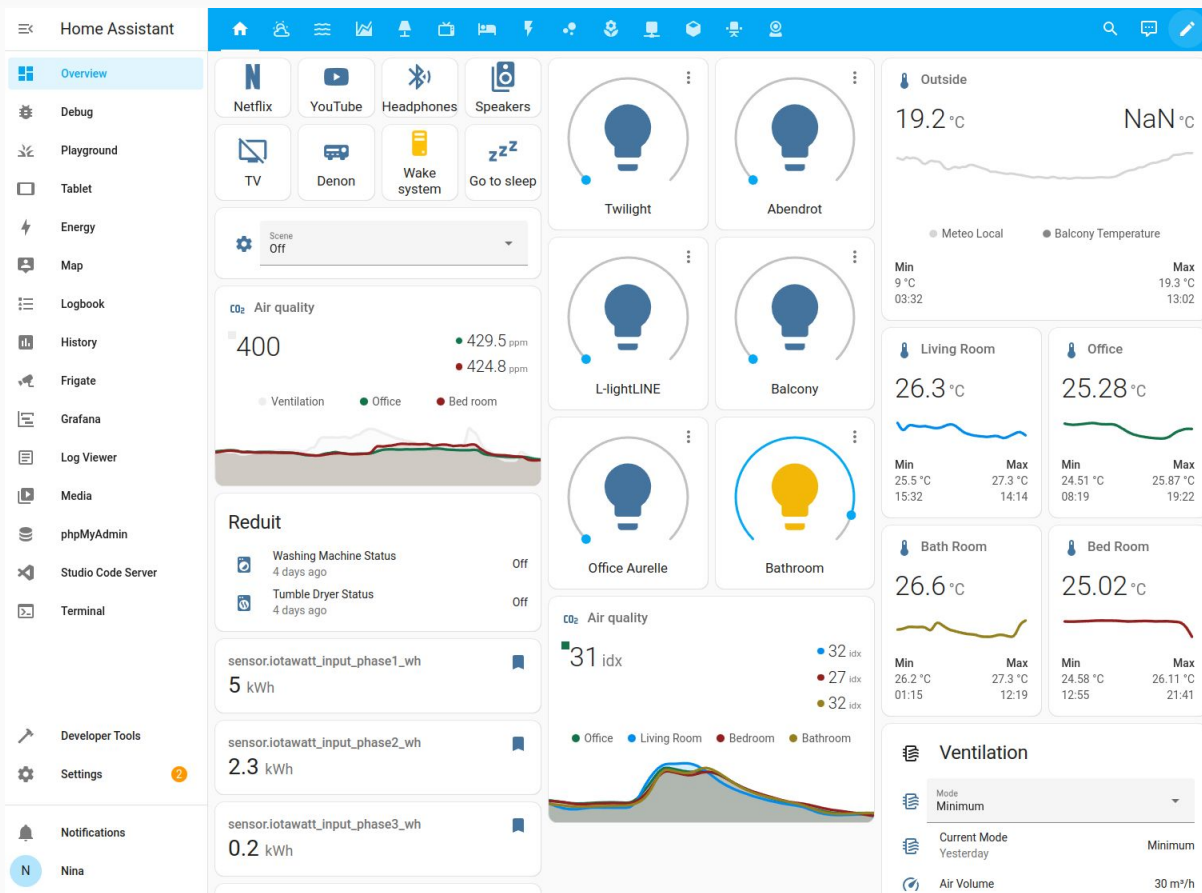
HACS

Home Assistant Community Store (HACS) er en brugerdefineret integration, der tilbyder en brugergrænseflade til at administrere brugerdefinerede elementer i Home Assistant.

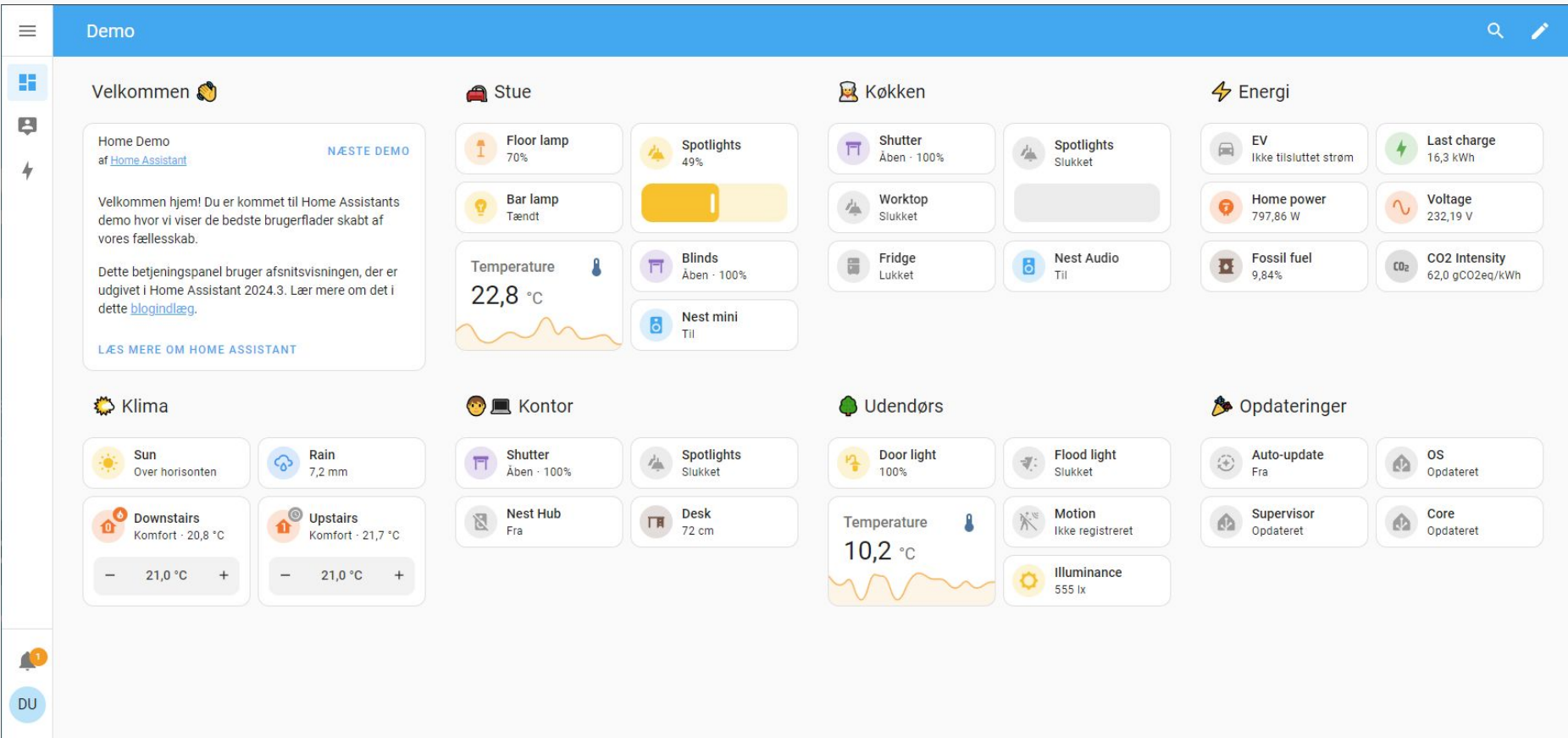
	Home Assistant Community Store				
	Filters	Søg	Group by Status	Sort by	
	Repository-navn	Downloads	Stjerner	Aktivitet	Type
Downloadet					
HACS	HACS gives you a powerful UI to handle downloads of all your custom need:	84785	5115	for 4 dage siden	Integration
Mushroom	Build a beautiful Home Assistant dashboard easily	43426	3460	sidste uge	Betjeningsp...
button-card	Lovelace button-card for home assistant	166936	1881	for 6 måneder siden	Betjeningsp...
Adaptive Lighting	Adaptive Lighting custom component for Home Assistant	-	1775	for 9 timer siden	Integration
browser_mod	A Home Assistant integration to turn your browser into a controllable ent	-	1287	sidste måned	Integration
auto-entities	Automatically populate the entities-list of Lovelace cards	-	1225	for 2 måneder siden	Betjeningsp...
apexcharts-card	A Lovelace card to display advanced graphs and charts based on ApexC	62470	1124	sidste måned	Betjeningsp...
layout-card	Get more control over the placement of Lovelace cards.	-	1037	for 2 måneder siden	Betjeningsp...
Frigate	Frigate integration for Home Assistant	-	699	for 17 timer siden	Integration
Frigate Card	A Lovelace card for Frigate in Home Assistant	68612	516	for 17 timer siden	Betjeningsp...
Node-RED Companion	Companion Component for node-red-contrib-home-assistant-websocket to i	23698	460	for 2 uger siden	Integration
Watchman	Home Assistant custom integration to keep track of missing entities and se	-	448	sidste måned	Integration
Horizon Card		31211	486	for 4 måneder siden	Betjeningsp...

Dashboard

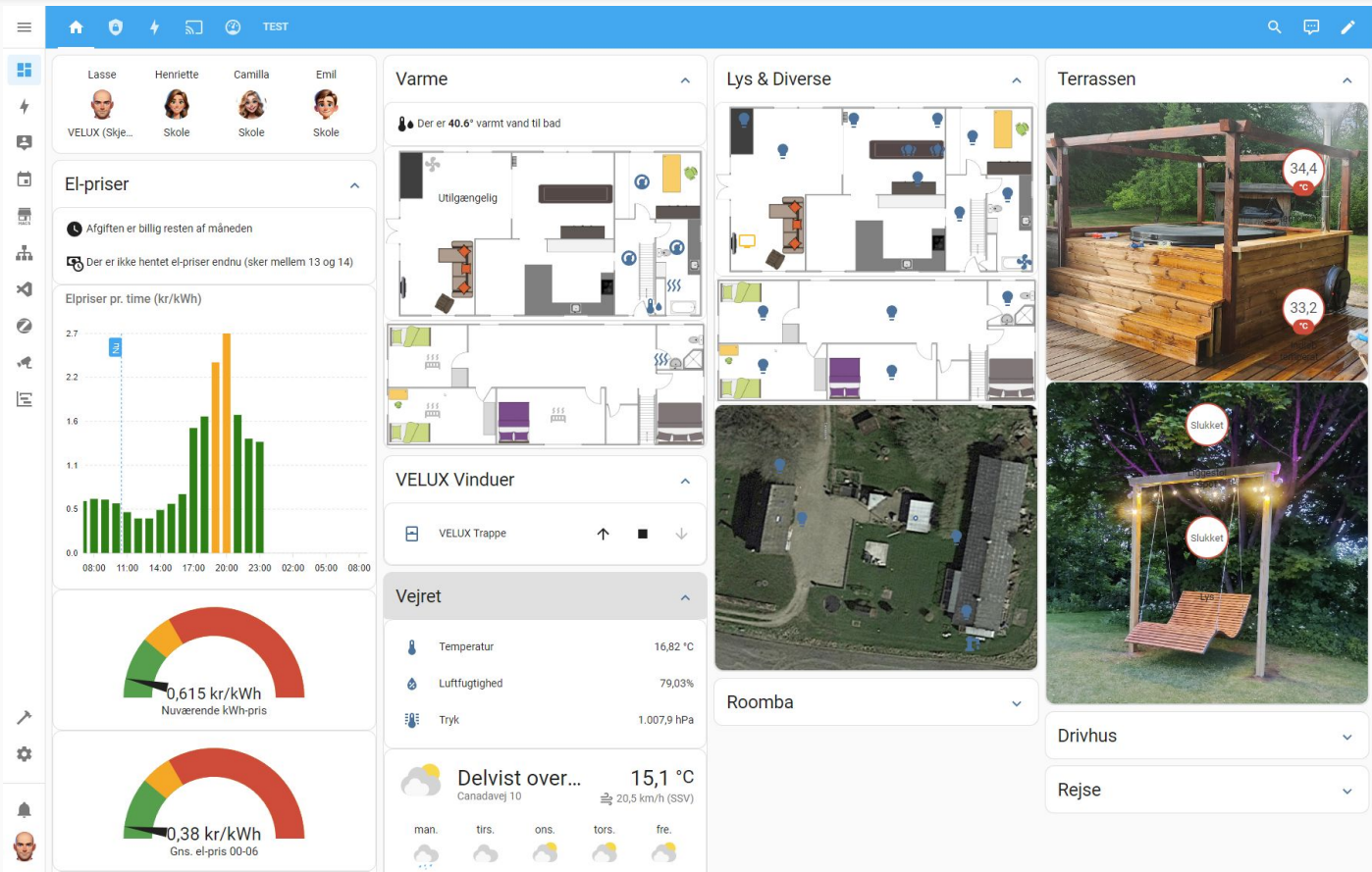
Dashboards



Dashboards



Dashboards



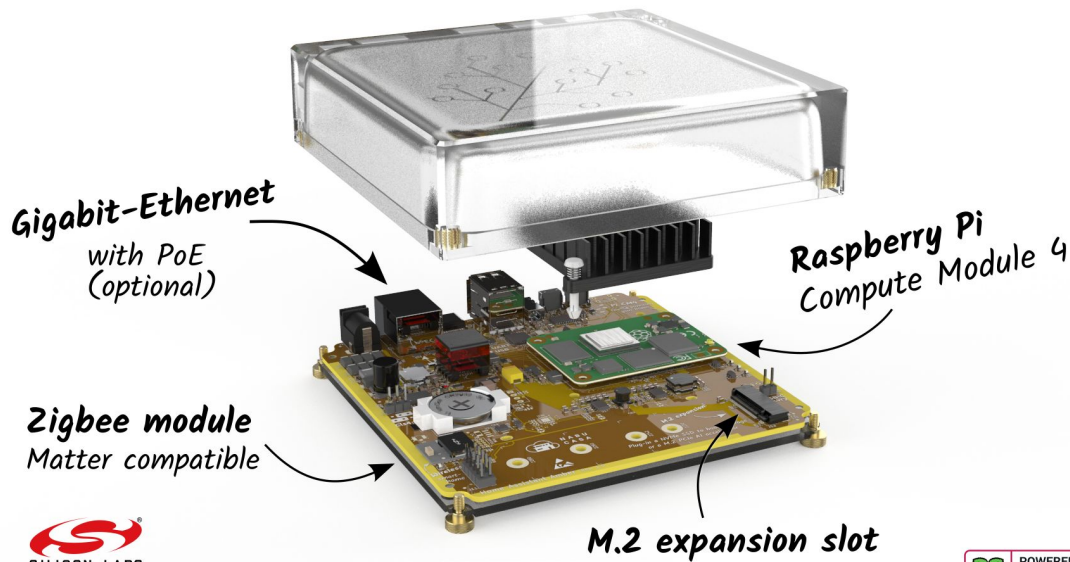
Mine erfaringer

Erfaringer

Vælg robust hardware

- HA Green eller Yellow
- x86 PC med SSD

~~RPI med SD-Kort~~




SILICON LABS
IoT Accelerator



Erfaringer

Brug HA Operating System:

- Plug and play
- Fuld backup
- Automatiske updates
- Nem restore

	HA OS ¹	Container ¹	Core ¹	Supervised ¹
Automations	✓	✓	✓	✓
Dashboards	✓	✓	✓	✓
Integrations	✓	✓	✓	✓
Add-ons	✓	✗	✗	✓
Blueprints	✓	✓	✓	✓
One-click updates	✓	✗	✗	✓ ²
Backups	✓	✓ ³	✓ ³	✓

Erfaringer

Opsæt cloud backup løsning.
Fx. Google Drive Backup
Add-On

The screenshot displays the 'Home Assistant Google Drive Backup' interface. On the left is a sidebar with navigation icons. The main area is titled 'Backups' and includes a 'Backup Statistics' section and a grid of backup cards.

Backup Statistics

- 0 (0.0 B) in Home Assistant**
 - 206.4 GB remaining
- 14 (12.7 GB) in Google Drive**
 - 174.4 GB remaining
 - lasse@hedeby.net

Last Backup 10 hours ago
Next Backup in 14 hours

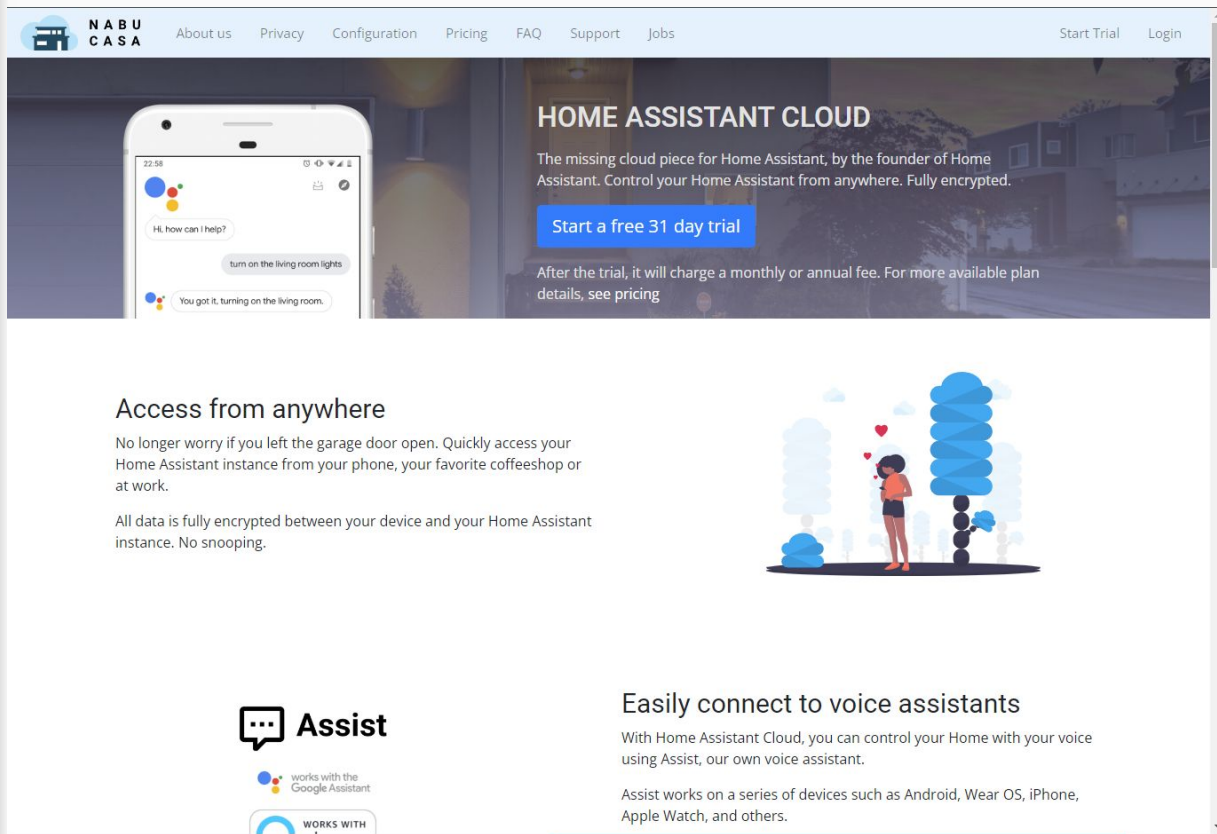
Recent Backups:

Backup Name	Size	Location	Type	Time	Age
Full Backup 2024-08-26 01:00:00	1.5 GB	Drive Only	Full backup	2024-08-26 01:00:00	10 hours ago
core_2024.8.2	499.2 MB	Drive Only	Partial backup	2024-08-26 01:00:00	16 hours ago
Full Backup 2024-08-25 18:34:34	1.2 GB	Drive Only	Full backup	2024-08-25 18:34:34	16 hours ago
Full Backup 2024-08-25 01:00:00	1.0 GB	Drive Only	Full backup	2024-08-25 01:00:00	1 day ago
Full Backup 2024-08-24 01:00:00	1.0 GB	Drive Only	Full backup	2024-08-24 01:00:00	2 days ago
Full Backup 2024-08-23 01:00:00	1005.2 MB	Drive Only	Full backup	2024-08-23 01:00:00	3 days ago
Full Backup 2024-08-22 01:00:00	981.2 MB	Drive Only	Full backup	2024-08-22 01:00:00	4 days ago
Full Backup 2024-08-21 01:00:00	974.0 MB	Drive Only	Full backup	2024-08-21 01:00:00	5 days ago
Full Backup 2024-08-20 01:00:00	973.4 MB	Drive Only	Full backup	2024-08-20 01:00:00	6 days ago
core_2024.8.1	464.2 MB	Drive Only	Partial backup	2024-08-20 01:00:00	7 days ago

Erfaringer

Køb subscription til Home Assistant Cloud for sikker og privat remote adgang for €75 om året

Støtter økonomisk udvikling og vedligeholdelse af HA via Nabu Casa Inc.

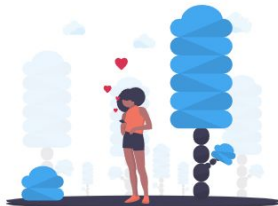


The screenshot shows the Nabu Casa website for Home Assistant Cloud. The header includes the Nabu Casa logo and navigation links: About us, Privacy, Configuration, Pricing, FAQ, Support, and Jobs. There are also links for Start Trial and Login. The main hero section features a smartphone displaying the Home Assistant interface with a conversation: "Hi, how can I help?", "turn on the living room lights", and "You got it, turning on the living room.". To the right, the text reads "HOME ASSISTANT CLOUD" followed by "The missing cloud piece for Home Assistant, by the founder of Home Assistant. Control your Home Assistant from anywhere. Fully encrypted." and a prominent blue button "Start a free 31 day trial". Below this, it states "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.



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.

At the bottom, there is a section for "Assist" with a speech bubble icon and the text "works with the Google Assistant". Below that is a "WORKS WITH" logo featuring the Home Assistant logo.

Erfaringer

Hold det hele løbende
opdateret inklusiv OS

2024.8: Beautiful badges!



Franck Nijhof

August 7, 2024

Core, Release-Notes

Comments

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Share on Facebook

RECENT POSTS

HACS 2.0 - The best way to share community-made projects just got better

Works with Home Assistant becomes part of the Open Home Foundation

Streamlining the Home Assistant Yellow lineup

Dashboard chapter 2: Let's redesign the cards together!

ON THIS PAGE

Dashboards - Chapter 2

- New badges for your dashboard
- Optimized information density for the Sections view

Goodbye service calls, hello actions

Sort data tables by created or last modified

Control Home Assistant using AI with Ollama Integrations

- New integrations
- Noteworthy improvements to existing



Home Assistant 2024.8! 🐛

Warning! An awesome and huge release is coming your way this month!

[11! new integrations](#) and [7! integrations are now available via the UI](#); We have many [noteworthy improvements to integrations](#) and even more [noteworthy improvements to Home Assistant](#) itself. And that... is just the tip of the iceberg! ⚠️

I'm most excited about the new [badges for your dashboard](#). I mean, the old ones weren't the prettiest, but these new ones are definitely gorgeous! Oh! And if you missed the last

Erfaringer

Lav et navngivnings scheme
for overskuelighed og
skalerbarhed.

Jeg har snart 1.000 entities 😬

```
{domain} . {device} _ {function} _ {area}
```

Domain:

- HA Domain
 - Sensor, light, switch, etc.

Device:

- Enhedens navn
 - Fx. støvsuger, opvaskemaskine, tv, sonos, etc.

Function (optional):

- I nogle tilfælde giver domain sig selv. fx. light.spisebord og i andre kan det være en fordel at have function med.
 - Fx. sensor.spisebord_power

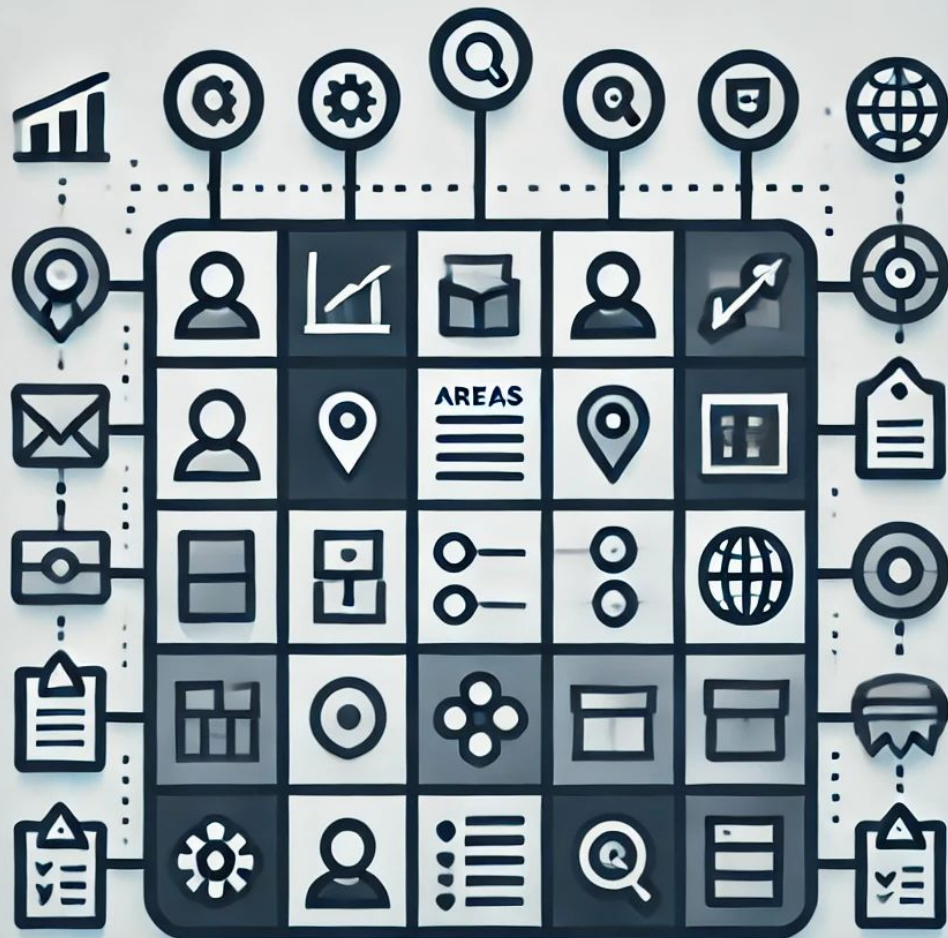
Area

- Sæt område på
 - Fx. light.spisebord_spisestue_switch.tv_stue_switch.tv_sovevaerelse

Erfaringer

Organiser med områder, labels og kategorier

Jeg har ca. 60 automationer at holde styr på



- **Opvarmning**
Intelligent styring af varme baseret på nærhed, rutiner og el-priser
- **Lys**
Forskellige scener afhængig af betingelser
- **Kalender og rutiner**
Morgen-hilsen i Sonos med vejr, el-pris, kalenderaftaler, etc.
- **Alarm og videoovervågning**
Aktivering af alarm og optagelse baseret på om nogen er hjemme
- **Røgalarmer**
All aktiveres automatisk, og sirene bruges af alarmen
- **Rejse Funktion**
Forskellige funktioner deaktiveres under rejse
- **Ventilation med VELUX vinduer**

Eksempler på automationer

- **Facebook**
Dansk Home Assistant gruppe
<https://www.facebook.com/groups/209025039666209/>
- **Smart Home Guide**
<https://smart-home-guide.dk/>
- **HA Community**
<https://community.home-assistant.io/>
- **ChatGPT**
OBS. på syntaxt

Eksterne ressourcer

