

Cloud → Home

A self-hosted AI assistant platform, built end to end.
Any agent, on a dedicated machine. Every byte on premises.



PROJECT

Home Hub, personal AI assistant platform

TYPE

Personal R&D, self-hosted, built solo

AI LAYER

Claude, ChatGPT, provider-agnostic

STACK

Python, own API, local DB, Home Assistant (150+)

An AI assistant that never sends your data away

WHY IT EXISTS

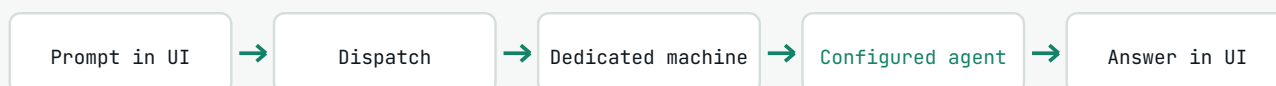
AI assistants are useful. The usual price is shipping your calendar, finances, notes and home devices to someone else's cloud. This platform was built to refuse that trade: full assistant capabilities, with every byte staying on infrastructure its owner controls.

WHAT IT IS

A self-hosted dashboard that runs a household: system and network monitoring, calendar and reminders, subscription and payment tracking, habits, journal, scheduled jobs, and a Home Assistant integration driving over 150 smart home entities. On top, a chat assistant with a command palette, notifications and themes. The stack is deliberately boring: a Python backend, a plain HTML front end, an API of its own and a local database. Nothing exotic, nothing that phones home.

THE AI LAYER

The assistant is provider-agnostic. Commands go through the platform's own API to a dedicated machine and run there against whichever agent or model is configured: Claude or ChatGPT today, anything else a config away. Results come back to the UI. A get-to-know-me flow builds the assistant's memory of its user, stored on the same private server, never in a third-party cloud.



WHAT IT PROVES

This is the shape of what businesses ask for now: internal AI assistants that work with company data without handing it to a third party. Building one end to end, UI, integrations, agent orchestration and memory, on owned infrastructure, is a project I have already done once, alone, with the AI-assisted workflow I use daily.

Want an assistant on your infrastructure, with your data staying yours?
This is a project I have already built. The second one is faster.