

# Mpm-Smart Documentation

Our very smart smart-home app

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# Home

## The Team

- Plazinski Olaf (Team Lead)
- Martin Gabriel (Tech)
- Mayer Julian (UI)
- Toifl Jacob (UI)

## The idea

Creating a fully wireless smart-home / IOT automation system with a central management controller. We implement an open standard built on plugins and an extensible architecture. The entire Project is fully open source and contributions from the community are highly welcome. We collect metrics and telemetry from multiple sources and display them in custom configurable dashboards. We also plan to support actor devices than can be controlled via the dashboard in real time or automatically controlled via dynamic workflows.

# Common Terms

Term	Description
Controller	Zentralisierte Verwaltungseinheit
Sensor	Gerät zur Sammlung von Daten
ESP32	Mikrocontroller
Blazor	Webframework
CI	Continuous Integration
CD	Continuous Delivery
Docker	Container Engine
Raspberry PI	Linux SOC
SOC	System on a Chip
IDE	Integrated Development Environment
OS	Operating System
API	Application Programming Interface
EF	Entity Framework
IF	Identity Framework
ORM	Object Relational Mapper

FreeRTOS	Freies lightweight Realtime OS
Git	Freies VCS
VCS	Version Control System
ASP.NET	.NET (C#) Webframework
SQLite	Lightweight relational database
TLDP	The Linux documentation platform
MSDN	Microsoft Software Developer Network
VPN	Virtual Private Network
SSH	Secure Shell

# User Guide

# Initial Setup



# User Management

# Devices Integration

# Plugin Management

# Developer Documentation

# Plugins

Start typing here...

# Creating your first Plugin

# Managing Plugin Services