

WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

This is related to [WikiSuite Village](#)

WikiSuite Building

Extending WikiSuite to buildings and hardware devices.

Status: Just ideas for now. This project is for 2023 or 2024.

Initial project

Deploy all the required IT hardware and networking infrastructure for a building, in a reproducible recipe and extending WikiSuite.

Areas

- [Access cards](#)
- Gateway and Local Area Network (LAN)
 - [The web proxy in ClearOS is a high-performance proxy caching server for web clients](#)
 - [The bandwidth manager is used to shape or prioritize incoming and outgoing network traffic.](#)
 - [The QoS \(quality of service\) app is used to shape or prioritize network traffic.](#)
 - [How to Configure a Load Balancing 3G Multi-WAN Router + Wireless AP](#)
- Wifi and Captive Portal with [ClearOS](#)
 - https://www.clearos.com/resources/documentation/clearos/content:en_us:6_wireless
 - [Radius server](#)
- Digital Signage with [Xibo](#)
- Hardware phones with [FusionPBX](#)
- Security / alarm system / Remote surveillance
- Cameras
 - Remote [pan tilt zoom](#)
- [Telepresence](#)
- Internet of Things (IoT)
 - Sensors for humidity, temperature, etc.
 - [Location Tracker](#)
- [Printer servers](#)
- Bar code scanners and NFC
- [Mesh networking](#)
- Server room
- Payment terminal
 - https://en.wikipedia.org/wiki/Point_of_sale
- [Blockchain prototype](#)
- Accessibility
 - Remote Control of door opening
- https://en.wikipedia.org/wiki/Building_automation
- etc.

ClearBOX: <https://www.clearos.com/products/hardware/clearbox-overview>

Related projects

Related links

- <https://hacks.mozilla.org/2019/04/introducing-mozilla-webthings/>
- https://en.wikipedia.org/wiki/List_of_open-source_hardware_projects
- http://www.wikihouse.cc/WikiHouse_Partners_2016_v1.7.1.pdf
- <https://www.crowdsupply.com/eoma68/micro-desktop/crowdfunding#details-top>
- <https://dev.tiki.org/Internet-of-Things>
- http://en.wikipedia.org/wiki/Building_management_system