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

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- 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