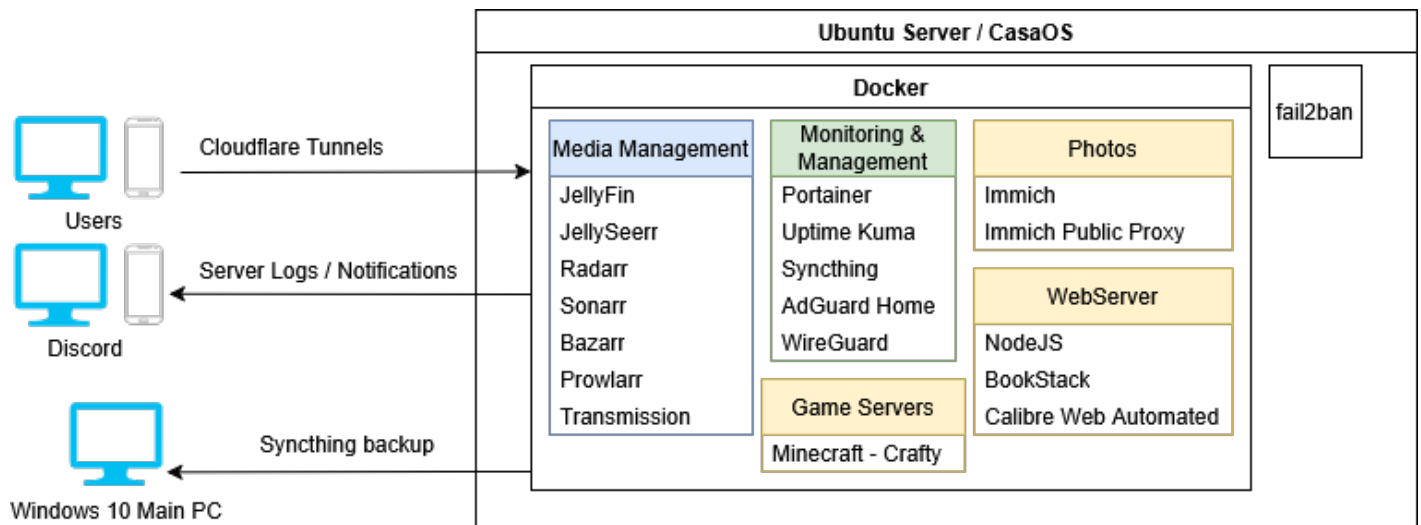# Architecture Overview

Hardware

BeeLink Mini S12 Mini PC

- CPU - Intel N100
- Ram - 16GB DDR4
- Storage -
  - 500GB SATA3 SSD (Holds OS data)
  - Crucial BX500 4TB 2.5-inch internal SSD (Holds App Data)
  - Toshiba Canvio Basics 4TB External USB Hard Drive

Applications

When possible, I try to run everything in Docker containers. This allows for easy segregation of different applications, and easy startup and tear-down.

The applications fit into groups:

1. **Media Management**
   For downloading and viewing linux isos.
2. **Monitoring & Management**
   For controlling the server, including monitoring, and backups.
3. **Miscellaneous**
   Anything that doesn't fit into the other two categories.

Cloudflare Tunnels

I used cloudflared to run Zero Trust tunnels with bballdaniel3.com. The public routes are as follows:

- bballdaniel3.com (points to nodeJS express webserver)
- wiki.bballdaniel3.com (points to this BookStacks wiki)
- books.bballdaniel3.com (points to Calibre Web Automated)

Additional routes can be found on Cloudflare.

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