

Homelab

Home server infrastructure, wants, needs, and documentation

- Services
- Networking

Services

Host

The following services have been installed on the host server:

- Docker
- Mosh
- Samba
- Tailscale

Docker

The following services are managed through docker:

- Baby Buddy
- Bazarr
- BookStack
- Caddy
- Calibre
- Code Server
- Dashdot
- EmulatorJS
- FlaresolVERR
- Glances
- Gluetun
- Homarr
- Kavita
- MeTube
- Microbin
- Miniflux
- MongoDB
- Overseerr
- Plex
- Prowlarr

- [qBittorrent](#)
- [Radarr](#)
- [Readarr](#)
- [Scrutiny](#)
- [Sonarr](#)
- [Uptime Kuma](#)
- [Watchtower](#)

Game Servers

The following game servers are managed through docker:

- 7 Days to Die
- Insurgency: Sandstorm
- Valheim

Data Backup

Application data is backed up onto an external storage medium every week.

A simple bash script is included in the homelab repository that targets specific services, their app and db data.

Networking

Docker

The docker network setup is very basic for the most part, most containers use their own default docker network, with some exceptions.

Services

Container	Network(s)	Host port(s)
babybuddy	babybuddy_network	8000
bazarr	qbittorrent_network (external)	6767
bookstack	bookstack_network	6875
caddy	bookstack_network, dashdot_network, homarr_network, microbin_network, qbittorrent_network, uptimekuma_network (all external)	80, 443, 2019
calibre	default	7000,7001
code-server	default	8443
dashdot	dashdot_network	3001
emulatorjs	default	4000,4001
flaresolVERR	flaresolVERR_network	8191
glances	default	61208, 61209
homarr	homarr_network	7575
kavita	default	5000
metube	default	8082
microbin	microbin_network	9999
miniflux	default	9080
mongodb	mongodb_network	27017
nodechatserver	default	6000
overseerr	qbittorrent_network (external)	5055
plex	host	32400

Container	Network(s)	Host port(s)
prowlarr	qbittorrent_network (external)	9696
qbittorrent	qbittorrent_network	6881, 8080
radarr	qbittorrent_network (external)	7878
readarr	qbittorrent_network (external)	8787
scrutiny	default	9090
sonarr	qbittorrent_network (external)	8989
uptimekuma	uptimekuma_network	3002

Game Servers

Container	Network(s)	Host port(s)
7daystodie	default	8081, 8082, 26900, 26900, 26901, 26902
insurgency	default	27001, 27002, 27003
valheim	default	2456, 2457, 2458, 9001

Reverse Proxy

Caddy is used as a reverse proxy to a number of services.

Service	Host
babybuddy	https://babybuddy.homelab.jordanchappell.com
bookstack	https://bookstack.homelab.jordanchappell.com
dashdot	https://usage.homelab.jordanchappell.com
homarr	https://dashbord.homelab.jordanchappell.com
kavita	https://books.homelab.jordanchappell.com
microbin	https://microbin.homelab.jordanchappell.com
overseerr	https://media.homelab.jordanchappell.com
qbittorrent	https://torrent.homelab.jordanchappell.com
radarr	https://movies.homelab.jordanchappell.com

Service	Host
sonarr	https://tv.homelab.jordanchappell.com
uptimekuma	https://uptime.homelab.jordanchappell.com