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NETWORKING PROJECTS

Linux Home Server

- Installed Ubuntu Server on old computer and connected it to the network accessing it via SSH
- Ran self-hosted services in containers like Plex, Game server, Ad-blocker, and NAS using Docker
- Implemented a cloudflare domain and reverse proxy with NGINX to access hosted services easily
- Incorporated VPN and proxy using Linode instance and Wireguard to connect from outside the network

Networking Laboratory

- Created network topologies with GNS3, VirtualBox, and Cisco IOS and tested with Linux and Cisco CLIs
- Emulated networks using concepts like subnetting, IP Routing Protocol, and routing tables
- Identified and solved common network problems using debugging tools like Wireshark

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