Home Server Workshop Resources

This handout is meant to supplement the workshop in case anyone is interested in learning more about the topics.

General Guides to Home Servers:

https://lazyadmin.nl/home-network/home-server/

https://www.youtube.com/watch?v=irW0AiRED3w

A more in-depth guide to hardware: https://linuxblog.io/home-lab-beginners-guide-hardware/

NAS (Network Attached Storage):

https://www.serverwatch.com/storage/free-nas-solutions/

FreeNAS

XigmaNAS

Rockstor

Media:

Jellyfin

Plex

Emby

Kodi

Software for automated media server:

- Sonarr
- Radarr
- Prowlarr

Home Automation and Security

Home Assistant (https://www.home-assistant.io/)

NodeMcu (https://www.nodemcu.com/index_en.html)

Web Hosting

WordPress (https://wordpress.com/)

NodeJS

Video Games with Free Servers

Minecraft

Palworld

 Counter-Strike 2

Enshrouded

Among Us

DotA 2

Unturned

DayZ

Terraria

Rust

Team Fortress 2

Garry's Mod

ARK Survival Evolved

Don't Starve Together

Valheim

Project Zomboid

7 Days to Die

Left 4 Dead 2

Factorio

Risk of Rain 2

Squad

Conan Exiles

In this workshop we will be creating a Minecraft Server on our computers. Here are some guides to follow if interested.

Mac: https://www.wikihow.com/Make-a-Minecraft-Server-on-a-Mac

Windows: https://www.wikihow.com/Make-a-Minecraft-Server-for-Free

Networking

If you are interested in learning more about networking, I would recommend taking EE/CMPEN 362

IP Addresses

Port Forwarding

Proxy and VPN

Firewalls