Deliverable 1

> Tutorial can be found here

Concepts I don't understand:

- Apache: An open-source web server software that is developed and maintained by the Apache Software Foundation

- UFW Firewall: A program for managing a netfilter firewall designed to be easy to use.

- systemctl: With system you can start,stop,restart,check status, enable/disable, and perform other advanced actions

- a2ensite tool: enables or disables an apavhe2 site/ virtual host

What is a web server? Hardware and software side

- Hardware side: A web server is a computer that stores web server software and a website's component files. A web server connects to the internet and supports physical data interchange with other devices connected to the web.
- Software side: A web server includes several parts that control how web users access hosted files. At a minimum, this is an HTTP server. An HTTP server is software that understands URLs and HTTP. An HTTP server can be accessed through the domain names of the websites it stores, and it delivers the content of these hosted websites to the end user's device.

What are some different web server applications?

Application Name	License	Project Website
Apache	Apache License 2.0	Apache
Nginx	BSD-2-Clause License	Nginx
Lighttpd	BSD-3-Clause	Lighttpd

What is virtualization?

- Virtualization relies on software to simulate hardware functionality and create a virtual computer system.

What is virtualbox?

- Virtualbox is a virtualization software that allows users to create and run multiple virtual machines.

What is a virtual machine?

- A virtual machine is a computer resource that uses software instead of a physical computer to run programs and deploy apps.

What is Ubuntu Server?

- An Ubuntu server facilitates the installation of a server.

What is a firewall?

- A firewall is a network security system that monitors and controls the incoming and outgoing network traffic based on predetermined security rules.

What is SSH?

- SSH or Secure Shell/Secure Socket Shell, is a network protocol that gives user, mainly system administrators, a secure way to access a computer over an unsecured network.