

Deliverable 1

Tutorial can be found [here](#)

Concepts I don't understand:

- **Apache**: Popular open source web server software used to deliver content like HTML pages, images, and CSS stylesheets over the internet.
- **Firewall**: is a network security system that acts as a barrier between a trusted internal network and an untrusted external network, such as the internet.
- **Web server**: A computer program that responds to HTTP requests, typically delivered by a web browser, and provides web content like web pages, images, and videos.
- **Server Configuration**: Is the process of setting up and customizing a server's hardware and software to meet specific needs and requirements.
- **Server Logs**: Is a text document that records all the activities of a specific server over a period of time.
- **Systemd**: Is a init system and service manager for Linux operating systems.

What is a web server? Hardware and software side

- Web server can be refer to hardware or software, or both of them working together. On the 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. On the software side, a web server includes serval parts that control how web users access hosted files.

What are some different web server applications?

- Some different web server applications are:

Apache! [Apache logo](#)

Nginx! [Nginx logo](#)

Caddy! [caddy logo](#)

Lighttpd! [lighttpd logo](#)

OpenLiteSpeed! [openlitespeed logo](#)

Cherokee! [cherokee logo](#)

What is virtualization?

- Virtualization is the process of creating a simulated or virtual version of something, typically hardware or software, that can be run on a single physical machine.

What is virtualbox?

- Virtualbox is a free open-source hypervisor that allows users to create and run virtual machines on a single computer.

What is a virtual machine?

- A computer system created using software on one physical computer in order to emulate the functionality of another separate physical computer.

What is Ubuntu Server?

- Ubuntu Server is a specific version of the popular Ubuntu Linux operating system designed for use on servers, which are computers that provide services to other devices on a network.

What is a firewall?

- is a network security system that acts as a barrier between a trusted internal network and an untrusted external network, such as the internet.

What is SSH?

- SSH (Secure or Secure Socket Shell) is a network protocol that gives users-- particularly systems administrators. Its a secure way to access a computer over an unsecured network.