

# Deliverable 1

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## Concepts I dont understand:

- Apache HTTP Server:
  - Apache HTTP server is a free open source platform web server software.
- TLS/SSL encrypted traffic
  - SSL stands for Secure Sockets Layer:
    - It makes sure data transferred between users and sites, or between two systems remain impossible to read, uses encryption algorithm to scramble data in transit
  - TLS, Transport Layer Security
    - Updated more secure version of SSL
- Why are specific ports are opened for certain things?
  - Each port is associated with a specific process or service, which allow for different kinds of traffic such as surfing the web or sending an email
- Domain:
  - Basically the name of the website
- Virtual Hosts
  - Running more than one website on one machine

## What is a web server? Hardware and software side

- Hardware side:
  - A web server is a computer that stores web server software and a websites component files, it can connect ot the internet and support 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.

## What are some different web server applications?

- Apache HTTP Server
- Internet Information Services
- Lighttpd
- Sun Java System Web Server
- Jigsaw Server

## What is virtualization?

- A creation of a virtual computer inside a physical computer called VM or Virtual-Machine

## What is virtualbox?

- Virtual Box is a software that is provided by Oracle that allows you to install virtual machines onto your system.

## What is a virtual machine?

- A virtual machine is a virtual computer thats hosted onto a server or computer, that can be used as a controlled environment to test out software or for daily use.

## What is Ubuntu Server

- It is a variant of the standard Ubuntu, which is capable of running a simple file server

## What is a firewall?

- A firewall is a network security device that monitors traffic to or from your network and allows for certain traffic to be let through based on your security rules.

## What is SSH?

- SSH stands for Secure Shell Protocol, its a protocol for operating network services over an unsecured network.