

Deliverable 1

Tutorial can be found here [here](#)

Concepts I don't understand:

- Apache: The Apache HTTP Server is a free and open-source cross-platform web server software, released under the terms of Apache License 2.0
- UFW: Provides a framework for managing netfilter, as well as a command-line interface for manipulating the firewall.
- Encapsulate: express the essential features of (something) succinctly.

What is a web server? Hardware and software side

On the hardware side, a web server is a computer that stores web server software and a website's component files, On the 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, NGINX, Jigsaw Server

Apache

!(apache logo)[https://geekflare.com/cdn-cgi/image/width=650,quality=90,gravity=auto,sharpen=1,metadata=none,format=auto,onerror=redirect/wp-content/uploads/2019/03/apache_server.jpg] The Apache HTTP Server is a free and open-source cross-platform web server software

Lighthttpd

!(lighthttpd logo)[https://geekflare.com/cdn-cgi/image/width=281,height=270,fit=crop,quality=90,gravity=auto,sharpen=1,metadata=none,format=auto,onerror=redirect/wp-content/uploads/2019/03/lighthttpd-server.png] lighthttpd is an open-source web server optimized for speed-critical environments while remaining standards-compliant, secure and flexible

NGINX

!(nginx logo)[https://geekflare.com/cdn-cgi/image/width=804,height=270,fit=crop,quality=90,gravity=auto,sharpen=1,metadata=none,format=auto,onerror=redirect/wp-content/uploads/2019/03/nginx-server.png] Nginx is a web server that can also be used as a reverse proxy, load balancer, mail proxy and HTTP cache

What is virtualization?

Virtualization is a process that allows for more efficient use of physical computer hardware and is the foundation of cloud computing.

What is virtualbox?

A virtualbox allows users to create and run virtual machines on their computers, enabling them to install and run multiple operating systems simultaneously

What virtual machine

a virtual machine is the virtualization or emulation of a computer system.

What is Ubuntu Server?

Ubuntu Server is a version of the Ubuntu operating system designed and engineered as a backbone for the internet.

What is a firewall?

A firewall is a network security device that monitors traffic to or from your network.

What is SSH?

SSH, also known as Secure Shell or Secure Socket Shell, is a network protocol that gives users, particularly system administrators, a secure way to access a computer over an unsecured network.