

Deliverable 1 Submission

Basic Terminology

What is a web server?

A web server is a computer that stores web server software and a website's component files.

What is Apache?

Apache is an open source web server, similar to Ubuntu, that operates across various operating system, including Windows and UNIX.

What are some example web server applications?

Application Name	License	Project's Website
Example 1	NGINX	example 1
Example 2	Apache License 2.0	example 2
Example 2	LiteSpeed	example 3

Example 1 - NGINX



NGINX is the web server software is designed to handle multiple connections for high traffic sites and demanding environments.

Example 2 - Apache



Apache is an open source web server, similar to Ubuntu, that operates across various operating system, including Windows and UNIX.

Example 3 - LiteSpeed



LiteSpeed is a lightweight and security-focused webs server software designed to provide performance and scalability with minimal usage of your server resources.

What is virtualization?

Virtualization is the replication of hardware to stimulate a virtual machine inside a physical machine.

What is virtualbox?



A virtualbox is a powerful type 3 virtualization product for enterprise as well as home use. It runs on Windows, Linux, Macintosh, Solaris

What is a virtual machine?

A virtual machine is a compute resource that uses software instead of a physical computer to run programs and applications

What is Ubuntu Server?



Ubuntu Server is a server operating system that allows open source programmers globally.

What is a firewall?

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

What is SSH?

Secure Shell(SSH) is a network protocol that gives users a secure way to access a computer over an unsecured network.

Concepts I Don't Understand:

- `sudo`: is a command-line utility for UNIX and Unix-based operating systems such as Linux and macOS
- `systemctl`: responsible for examining and controlling the systemd system and service manager
- `init system`: executed by the kernel; during the booting of a system used to create processes from a script in the file `/etc/inittab`
- `ufw`: is a command-line firewall layer that automatically uses iptables as a back-end firewall
- `virtual host`: is a method for hosting multiple domain names on a single server
- `chown`: changes the owner of the files or directory specified by the File or Directory to the user specified by the Owner parameter

- `chmod`: is used to manage file system permissions on Unix-like systems
- `nano`: command line text editor
- `a2ensite`: enables the specified site with the `apache2` configuration