

Deliverable 1

Tutorial can be found [here](#)

Concepts I do not understand:

- Apache: the Apache HTTP server is the most widely-used web server in the world. It provides many powerful features including dynamically loadable modules, robust media support, and extensive integration with other popular software.
- Web Server: the web server is typically equipped with a software firewall

What is a web server? Hardware and software side

The term web server can 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 (for example, HTML documents, images, CSS stylesheets, and JavaScript 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?

To publish a website, you need either a static or a dynamic web server.

A static web server, or stack, consists of a computer (hardware) with an HTTP server (software). We call it "static" because the server sends its hosted files as-is to your browser.

A dynamic web server consists of a static web server plus extra software, most commonly an application server and a database. We call it "dynamic" because the application server updates the hosted files before sending content to your browser via the HTTP server.

Apache : Apache HTTP Server is a free and open-source web server that delivers web content through the internet



NGNIX : NGINX is open source software for web serving, reverse proxying, caching, load balancing, media streaming, and more

NGINX

Caddy : Caddy simplifies your infrastructure



Lighttpd : Lighttpd is an IPv4 and IPv6 compatible Web server that understands HTTP/1.0 and 1.1, HTTPS (using OpenSSL) CGI/1.1, native FastCGI, and HTTP authentication.



MonkeyServer : Monkey HTTP Server is an optimized web server for Linux



OpenLiteSpeed : OpenLiteSpeed is an easy-to-use, open-source web server.



Cherokee : Cherokee is an open-source cross-platform web server that runs on Linux, BSD variants, Solaris, OS X, and Windows



What is virtualization?

In linux virtualization refers to a process where more than one virtual machine can be installed in the Linux operating system

What is virtualbox?

Oracle VM VirtualBox is a powerful multi-platform virtualization engine designed for deployment on desktop or server hardware

What is a virtual machine?

Linux containers and virtual machines (VMs) are packaged computing environments that combine various IT components and isolate them from the rest of the system

What is Ubuntu Server?

Ubuntu is a Linux distribution based on Debian and composed mostly of free and open-source software

What is a firewall?

Firewalls provide protection against outside cyber attackers by shielding your computer or network from malicious or unnecessary network traffic

What is SSH?

SSH or Secure Shell is a network communication protocol that enables two computers to communicate