

Deliverable 1

Tutorial can be found [here](#)

Concepts I don't understand

- Web Server: A computer program that provides services to other computers over the internet.
- Apache: The most commonly used web server on linux systems.
- Firewall: a network security device that monitors and filters incoming and outgoing network traffic based on an organization's previously established security policies.

What is a web server? Hardware and software side

The web server is a software and hardware that uses Http(Hypertext Transfer protocol)

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). A web server connects to the Internet and supports physical data interchange with other devices connected to the web.

a web server includes several parts that control how web users access hosted files. At a minimum, this is an HTTP server. An HTTP server is software that understands URLs (web addresses) and HTTP (the protocol your browser uses to view webpages). An HTTP server can be accessed through the domain names of the websites it stores, and it delivers the content of these hosted websites to the end user's device.

What are some different web server applications?

Apache

!(apache logo)[https://geekflare.com/wp-content/uploads/2019/03/apache_server.jpg] The Apache is it a almost synonymous to the World Wide Web, and still powers the majority of websites in the world.

NGINX

!(NGINX)[https://geekflare.com/wp-content/uploads/2019/03/nginx-server-804x270.png] The open source software for web serving, reverse proxying, caching, load balancing, media streaming, and more.

Caddy

!(caddy)[https://geekflare.com/wp-content/uploads/2019/03/caddy-server-637x270.png] The caddy One of the hottest new frameworks making splashes in the open-source community recent is Caddy.

Lightthttpd

!(lightthttpd)[https://geekflare.com/wp-content/uploads/2019/03/lightthttpd-server-281x270.png] The lightthttpd was designed to overcome these challenges in low-memory and low-CPU environments.

OpenLiteSpeed

!(openLiteSpeed)[https://geekflare.com/wp-content/uploads/2019/03/litespeed-server-840x210.png] The OpenLiteSpeed is the open source flavor of the enterprise web server by LiteSpeed Technologies.

What is virtualization?

The virtualization is a process where more than one virtual machine can be installed in the linux operating system.

What is virtualbox?

The virtualbox a powerful multi-platform virtualization engine designed for deployment on desktop or serve hardware.

What is a virtual machine?

The virtual machine packaged computing environment that combine various IT components and isolate them the rest of the system.

What is Ubuntu Server?

The Ubuntu server operating system , developed by canonical and open source programmers around the world, that work with really any hardware or virtualization.

What is a firewall?

The firewall a system of network security that controls and filters the traffic on the rule's predefined.

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.