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# Deliverable 1

Tutorial can be found [here](#)

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

- A 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. 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?

Application Name	license	Project's Website
Nginx	BSD License	<a href="#">Nginx</a>
Apache	Apache License 2.0	<a href="#">Apache</a>
OpenLiteSpeed	OEM license	<a href="#">OpenLiteSpeed</a>



- Apache
  - Apache is almost synonymous with the World Wide Web, and still powers the majority of websites in the world. The reason for Apache's dominance is threefold: an open license, early entry and easy deployment of PHP.



- Nginx
  - Asynchronous architecture for handling high loads. Best-in-the-class static file handling, load balancing, and reverse proxy capabilities. FastCGI caching.



- Lighthttpd
  - Lighthttpd is a capable, single-threaded web server that can easily handle a few hundred requests per second and still go easy on system resources.

## What is virtualization?

- Virtualization is technology that creates virtual versions of physical computing resources, such as servers, desktops, and storage. It's essentially about using software to simulate the functionality of physical hardware.

## What is virtualbox?

- a free and open-source virtualization software developed by Oracle that allows users to create and run virtual machines (VMs) on their computers

## What is a virtual machine?

- A Virtual Machine is a compute resource that uses software instead of a physical computer to run programs and deploy apps.

## What is Ubuntu Server?

- Ubuntu Server is a part of the larger set of Ubuntu products and operating system

## What is a firewall?

- a security guard for your computer or network, deciding what information is allowed to enter or leave.

## What is SSH?

- SSH stands for secure shell, its a network protocol used for secure remote access and management of computers.

## Concepts I don't understand

- Apache
  - Apache is an open-source software foundation and a specific web server software, Apache HTTP Server, that is widely used for deploying websites.