

# Deliverable 1

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Concepts I don't understand:

Answers to the following questions:


## 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 (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.

On the software side, 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?

Some different web server applications are....

Apache [apache\_server.jpg]

Nginx [nginx-server-804x270.png]

Caddy [caddy-server-637x270.png]


Lighttpd [lighttpd-server-281x270.png]

and OpenLiteSpeed. [litespeed-server-840x210.png]

## What is virtualization?

Virtualization is a technology that creates virtual versions of physical computing resources, such as servers, storage, and networks.

## What is virtualbox?

[vbox.jpg] VirtualBox is a free, open-source virtualization tool that allows users to run multiple operating systems on a single device.

## What is a virtual machine?

A virtual machine (VM) is a software-based computer that acts like a physical computer, but uses virtual resources instead of physical components.

## What is Ubuntu Server?

!(ubuntu server logo)[servicos-ubuntu-server.jpg] Ubuntu Server is a part of the larger set of Ubuntu products and operating system developed by Canonical Ltd. Ubuntu server is a specific addition that differs a little bit from Ubuntu desktop, in order to facilitate installation on servers.

## What is a firewall?

!(firewall image)[how-firewalls-work.png] A firewall is a network security device that prevents unauthorized access to a network.

## What is SSH?

!(ssh image)[ssh.png] SSH (Secure Shell or Secure Socket Shell) is a network protocol that gives users -- particularly systems administrators -- a secure way to access a computer over an unsecured network.