

# Deliverable 1 Submission

## Basic Terminology

### 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.

- Examples

application name	license	application logo
Apache HTTP Server	Apache License 2.0	-----
Nginx	BSD license	-----
Node.js	MIT License	-----

### What are some different web server applications?

- A static web server, or stack, consists of a computer (hardware) with an HTTP server (software).
- A dynamic web server consists of a static web server plus extra software, most commonly an application server and a database.

### What is virtualization?

Virtualization is the process of creating a virtual version of something, such as a server or operating system.

### What is virtualbox?

VirtualBox is a free and open-source virtualization software that allows you to create and run virtual machines on your computer.

### What is a virtual machine?

A virtual machine is a software-based emulation of a physical machine, such as a computer system, a server, or a storage device. A virtual machine runs on a host machine, which is the physical machine needed to run the virtual machine.

### What is Ubuntu Server?

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?

A firewall is a security system that is designed to protect your computer from unauthorized access.

### 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.