

# Deliverable 1

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Tutorial can be found [here](#)

Answer 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 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 and HTTP. 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 HTTP Server

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows.

## Caddy

Caddy is a powerful, enterprise-ready, open source web server with automatic HTTPS written in Go.

## Lighttpd

lighttpd (pronounced /lighty/) is a secure, fast, compliant, and very flexible web server that has been optimized for high-performance environments. lighttpd uses memory and CPU efficiently and has lower resource use than other popular web servers. Its advanced feature-set (FastCGI, CGI, Auth, Output-Compression, URL-Rewriting and much more) make lighttpd the perfect web server for all systems, small and large. lighttpd is released under the Open Source revised BSD license.

- What is virtualization?

Virtualization is a process that allows for more efficient utilization of physical computer hardware and is the foundation of cloud computing.

- What is virtualbox?

VirtualBox is a powerful x86 and AMD64/Intel64 virtualization product for enterprise as well as home use.

- What is a virtual machine?

A virtual machine is a computer system created using software on one physical computer in order to emulate the functionality of another separate physical computer.

- 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 network security device that monitors traffic to or from your network. It allows or blocks traffic based on a defined set of security rules.

- 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.