

Deliverable 1 Submission

Basic Terminology

What is a web server?

Web servers can be either software, hardware, or a mix of the two. A web server is a machine that houses web server software and the files that make up a website on the hardware side. A web server's software consists of a number of components that regulate how hosted files are accessed by web users.

What is Apache?

Apache is a web server software that works with HTTP requests. Apache can be installed using customary package management programs since it is part of Ubuntu's usual software repositories.

What are some example web server applications?

Application Name	license	Project's Website
Word Press	GNU General Public License (GPL)	example 1
Apache HTTP Server	Apache License 2.0	example 2
Jquery	MIT license	example 3

Example 1



Obama Foundation launched their Website and is Powered by WordPress. It was founded in 2014 as a tax-exempt 501(c)(3) nonprofit organization to carry out the lifelong objectives of President and Mrs. Obama.

Example 2



Adobe is one of the many website examples that uses Apache server. Projects like portfolios, resumes, presentations, blogs, and photo galleries are created in for Adobe.

Example 3



Microsoft has used JQuery in their projects. As jQuery has been added to ASP.NET toolkits and is included in a number of the default Web project templates in Visual Studio 2010.

What is virtualization?

Virtualization is when you create virtual versions of something. It can be physical or logical and is used to run multiple operating systems on a virtual machine.

What is virtualbox?



A virtual box is a virtualization product for enterprise from AMD64/Intel64. It is high performance and freely available as open source software.

What is a virtual machine?

A virtual machine is the computer system's virtualization. The functionality of a physical computer is given by virtual machines, which are built on computer systems.

What is Ubuntu Server?



Ubuntu server is a type of operating system. It is a free open source. Ubuntu is a type of Linux distribution that branched out from Debian.

What is a firewall?

A firewall is a device (either a router, a dedicated device, or a computer running special software) that selectively filters or blocks traffic between networks.

What is SSH?

Secure Shell is a remote connection utility that provides authentication and encryption. SSH is used to log onto a host, execute commands on that host, and copy files to or from the host.

Other Relevant Concepts/New Concepts Learned

- **Systemd** supplies a variety of Linux-based features

- **Virtual hosts** Virtual Host enables running several websites on a single device or web server
- **Port 88** UDP port 88 uses the Datagram Protocol, a communications protocol for the Internet network layer, transport layer, and session layer. This protocol when used over PORT 88 makes possible the transmission of a datagram message from one computer to an application running in another computer.
- **Systemctl Command** This command controls both system and service configurations, giving administrators access to the OS and service performance.