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Deliverable 1 Submission

Basic Terminology

What is a web server?

A web server is a computer system and software that stores and delivers website content to users over the internet.

- 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).
- On the software side, a web server includes several parts that control how web users access hosted files.

what is Apache?

Apache HTTP Server is a free and open-source web server that delivers web content through the internet. It is commonly referred to as Apache and after development, it quickly became the most popular HTTP client on the web.

What are some example web server applications?

Application Name	License	project's Website
Example 1	Nginx	example 1
Example 2	Node.js	exapmle 2
Example 3	Jetty	example 3

Example 1

Nginx web server is renowned for its high performance and stability. It functions as a web server, reverse

proxy, and load balancer, making it a versatile option for various use cases. Nginx is highly efficient in handling many concurrent connections, making it suitable for high-traffic websites and applications.

Example 2

Node.js is a server-side runtime environment used for building web applications in Javascript. It is bundled with an HTTP module to extend its functionality as a web server.

Example 3

Jetty is another popular Java-based web server and servlet container known for its focus on performance and scalability. Like Apache Tomcat, it supports JSP and Java Servlet technologies, allowing developers to build dynamic web applications using Java.

What is virtualization?

Virtualization is the process of creating vitual version of physical resources, like servers, storage, or network, allowing multiple operating systems or applications to run on the same hardware independently.

What is virtualbox?

VirtualBox is a freee and open source software that allows you to create and run virtual machine on your computer.

What is a virtual machine?

Virtual machine is a software- based simulation of a computer system. It behaves like a physical computer,running on operating system and applications, but it operates within another computer.

What is Ubuntu Server?
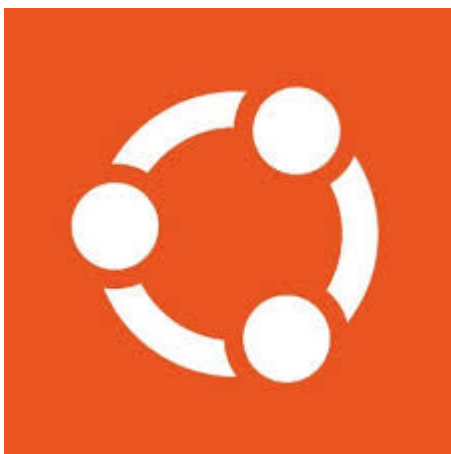
Ubuntu Server is a version of the Ubantu operating system designed for servers. It is lightweight, secure and optimixed for running server applications like web hosting, databases, and cloud service.

What is a firewall?

Firewall is a security system that monitors and controls incoming and outgoing network traffic.

What is SSH?

SSH is protocol used to securely connect to and manage remote computers or servers over a network.