Deliverable 1 Submission

Name	Course	Semester	Instructor
Miguel Gamarra	CIS-106	Fall 2024	R. Alberto

Basic Terminology

What is a web server?

A web server is software or hardware that delivers content or services to end users over the internet. It handles requests from web browsers and serves webpages, files, or applications using protocols like HTTP/HTTPS.

What is Apache?

Apache is a widely-used open-source web server software that powers a significant portion of the internet. It is developed and maintained by the Apache Software Foundation and is known for its flexibility, stability, and support for multiple operating systems.

What are some example web server applications?

Below are three examples of web server applications:

Application Name	License	Project's Website
Example 1: Nginx	BSD License	nginx.org
Example 2: Apache HTTP Server	Apache License 2.0	httpd.apache.org
Example 3: Microsoft IIS	Microsoft Proprietary License	iis.net

Example Applications

Example 1

Nginx Logo Nginx is a high-performance web server and reverse proxy server known for its low resource usage and ability to handle many concurrent connections efficiently.

Example 2

Apache Logo Apache HTTP Server is an open-source, cross-platform web server used for hosting websites and applications.

Example 3

IIS Logo Microsoft IIS (Internet Information Services) is a web server software for Windows Server used to host websites and web applications.

What is virtualization?

Virtualization refers to creating virtual versions of physical resources, such as servers, networks, or storage. It allows for better resource utilization and flexibility in managing computing environments.

What is VirtualBox?

VirtualBox is an open-source virtualization software developed by Oracle. It enables users to run multiple operating systems simultaneously on a single physical machine.

What is a virtual machine?

A virtual machine (VM) is a software emulation of a physical computer. It runs an operating system and applications just like a physical computer, but it exists as software on a host machine.

What is Ubuntu Server?

Ubuntu Server is a version of the Ubuntu operating system designed for servers. It is widely used in cloud computing, web hosting, and enterprise environments for its stability and support for various server applications.

What is a firewall?

A firewall is a security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules. It acts as a barrier between trusted and untrusted networks to prevent unauthorized access.

What is SSH?

SSH (Secure Shell) is a protocol used for securely accessing and managing devices over a network. It encrypts data to protect sensitive information during remote communication.