**Week 1**

To start with the course we'll begin by installing Virtual Box, a powerful virtualization tool that will serve as the foundation of our cybersecurity training. You can find the installation link at <https://www.virtualbox.org>.

Now, let's delve into the week's overview. We'll establish a virtual sandbox environment that consists of five distinct virtual machines, each with its own purpose and configuration:

1. **Ubuntu Gateway Server (IP: 192.168.123.1):** This will be the central hub of our virtual network, responsible for routing and controlling traffic within our sandbox.
2. **Kali Linux (IP: 192.168.123.10):** An essential tool for penetration testing and ethical hacking, Kali Linux is a versatile platform that will enable us to explore vulnerabilities and secure our systems.
3. **Wordpress on Ubuntu 14.04 (IP: 192.168.123.20):** This virtual machine will host a WordPress site running on Ubuntu 14.04, serving as an ideal target for us to test our cybersecurity skills.
4. **Wordpress on Ubuntu 22.04 (IP: 192.168.123.30):** Another WordPress installation, this time on Ubuntu 22.04, offering a different set of challenges and security considerations.
5. **Windows 10 (IP: 192.168.123.40):** We include a Windows system in our sandbox to explore the cybersecurity aspects of a widely-used operating system.

A diagram of a computer server

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Week 2

How to ping the machines?

On each machine we can use a command line and to ping another machine by IP address. For example: **ping 192.168.123.40.**

Linux usefull commands:

* **cd**: Change the current working directory.
* **pwd**: Print the current working directory.
* **mkdir**: Create a new directory.
* **rmdir**: Remove an empty directory.
* **touch**: Create an empty file.
* **Ip a**: Check IP address
* **sudo nano/etc/hostname**: Change the machine hostname
* **hostname:** Check the hostname

Kali Linux Network configuration: A computer screen shot of a computer

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A computer screen with a blue and white text

Description automatically generatedA computer screen shot of a computer screen

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