Setup Course VM

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Purpose

The purpose of this activity is to create and setup a virtual machine (VM) that we will use during the course to explore different networking concepts and tools.

Required Software

- Download Virtual Box from https://www.virtualbox.org/ VirtualBox virtualization software that allow you to create virtual machines. Make sure to download the version suitable for your computer operating system.

- Download VirtualBox Oracle VM VirtualBox Extension Pack from https://www.virtualbox.org/

- Download Ubuntu Linux for Desktop version 20.04 LTS from https://ubuntu.com/#download

Setup the VM

Here, you should do the following:

1. First install virtual box (VBox).

2. Install VBox Extension Pack.

3. Creat a VM using VBox for a linux machine and Ubuntu 64bits. Here is the recommendation for the VM

    - VM memory: 2-4GB RAM
    - VM disk: 20-40 GB
    - CPU 2 Cores

4. Use the Ubuntu 20.04 LTS ISO file to install Ubuntu on the VM

5. After installing Ubuntu, login to the VM and open the command line, and run the following commands

```
sudo apt-get update
sudo apt-get upgrade
```

6. Install WireShark (https://www.wireshark.org/)on your VM, you may follow the instructions in this blog post to install WireShark https://linuxhint.com/install_configure_wireshark_ubuntu/