

**Lab 3: *Virtual Machine Set-up* (1%)**

**Overview:**

In this lab we will be setting up our computer environment for later lab assignments. This will involve the use of a virtual machine, changing user accounts and customizing the computer desktop.

**Objective:**

1. Copying two (s) VMs to your SSD external drive: Kali Linux and Ubuntu
2. Start the Ubuntu 20.4 vm and Linux Kali vm

**The Lab Activities**

**Part 1: Operating System Installation**

This part involves installing and running the virtual machine. We need two (2) things, software to run the virtual machine and the virtual machine itself.

* Software: The software we will be using is “VMware Workstation Pro 15”, which is available through “MyApps”.
* Virtual Machine (vm): In our case the vm has been prepared with the operating system pre-installed along with many of the tools you’ll be using during the course. You can visit the operating systems <https://releases.ubuntu.com/20.04/> and <https://www.kali.org/downloads/>

***Steps***

1. Install “VMware Workstation Pro 15” via MyApps.
2. Download the image (.iso) files for the operating systems: Ubuntu 20.4 and Kali.
3. On your external SSD hard drive create new folder called BTN710. Inside the BTN710 folder create two folders named Kali and Ubuntu.
4. Open “VMware Workstation Pro 15” and press Ctrl + N to create new virtual machine.
5. When asked where to install the OS from, choose “install later”.
6. Choose Linux as the guest operating system, and Ubuntu for Ubuntu and Debian 9 for Kali as the version.
7. Set the location to the corresponding folder on the on the SSD memory.
8. Choose the hardware configuration for your VM, to have 1 or 2 processor s with 4 cores, 4GB of RAM, use NAT, and the recommended configurations for other options.
9. Choose “create new virtual disk” and split it into multiple files.
10. Now that you have the VM set up, you can go to Edit virtual machine settings, and set CD/DVD (SATA) to use the ISO image file for the operating system.
11. Power up the virtual machine and select install.
12. Proceed with the rest of the installation options based on your preferences.
13. For each OS, take a screen shot and insert it into the report:
    * Take a single screen shot (use the “Snipping Tool” to do this) that includes the following:
      + VMwareWorksation Pro (to show that you have successfully imported the virtual machine)
      + The folder for the OS inside your BTN170 folder open on your external SSD (to show that the VMware Workstation Pro has created the files in that folder)
    * Name you image: <<MySenecaUsername>>\_L3\_<<OperatingSystem>>\_VM\_Install.jpg
    * Insert you image into the report template under “Operating System Installation”

**Lab Assignment Report Write-up**

Submit your lab results using the template provided with the lab. Save the report as <<MySenecaUsername>>\_L3.docx

**Deliverable**

To submit your lab report to Blackboard.

Deadline: 11:59 PM. June 14th, 2020