**Student Name………………………**

**Student ID:……………………**

**Program:** Computer programming **Course:** OS Admin&Network Fundamental

**Percentage:** 15%

**Duration:** 2.5 hours

Lab 2- Windows Installation and Basic Security

# Requirements

1. 1. The students must capture the whole screen that shows date and time. Any capture does not include date and time will have 0 point. Below is an example of the screenshot:
2. A screenshot of a computer

   Description automatically generated
3. 2. There are some screenshots that require your first name and last name. If any of those ones does not have your name, then the whole lab will be 0. Please write down the sentence “I understand the lab rules and grading point calculation and I will strictly follow it” to right below dots …
4. ……………………………………………………………………………………………………………………….
5. 3. When you submit your lab , make sure to include your first and last name in the file name.

Lab 2.1 - Windows Installation

# Objectives

In this lab, you will install Windows 10.

# Background / Scenario

You may have already installed Windows 10 earlier in the course.

# Required Resources

* A computer with a blank hard disk drive if we install Windows OS 10
* If Windows OS is installed on a VM,
* A VM for Windows 10 Pro with a minimum of CPU 1 core, 4 GB of RAM and 14 GB of free disk space

# Instructions

## Starting the Installation Media

* + 1. Download .iso file for Windows 10 from Google Drive link below

https://drive.google.com/drive/u/0/folders/1q5M2r8bQs3W7-Y8csapQ05BQNSR5QpNn

In VM environment, prepare Window 10 iso file (instead of USB flash or DVD). Follow the same steps that you did in Lab2 to create a new VM for Windows OS 10. Make sure the hostname format include yourfirstname and yourlastname.

Ex: my name is Harry Nguyen

A screenshot of a computer

Description automatically generated

[Take a screenshot 01 of the output window and paste it here]

## Configuring Initial settings

* + 1. The **Windows Setup** window opens. Click **Next** to continue unless you need to change the default settings.
    2. Click **Install now** to continue the installation..

## Installing Windows

* + 1. The **Installing Windows** window opens. Windows will take some time to copy the files and install the OS on your computer. During the setup, the computer might restart several times.
    2. When the **Windows needs to restart to continue** window opens, your computer will automatically restart or you can click **Restart now**.
    3. If you get the message **Press any key to boot from CD or DVD…**, do not press any key and Windows will boot from the internal drive to continue the installation.

## Basics Setup

In this step, you will select your region and your keyboard layer.

**Note**: The personalization sub-steps may be different depending on your Windows version.

* + 1. Verify the region and select **yes**. If not, choose your region and select **yes**.
    2. Verify the keyboard layout and select **yes**. If not, choose your keyboard layout and select **yes**.
    3. Click **Skip** if you are not adding a second keyboard layout. Otherwise, click **Add layout** and answer the prompts to add a second layout.

## Other Setups

In this step, you might need network/services/account setups. If prompted, provide the installation with the necessary information.

## Finishing the Installation

* + 1. When you are finished with the installation, Windows continues to finalize your settings.
    2. After the installation is completed, the Desktop displays and you are logged into Windows for the first time.

## Validation

* + 1. Open cli and type hostname
    2. Open System Utility name “System Information” to observe OS name/version, System name/model

[Take a screenshot 02 of the output window and paste it here]

Step 3: If the host computer is not connected to the internet, re-connect to the internet and verify that the virtual machine has access to the internet. If the network connection settings need to be changed, power off the virtual machine and click **Settings** in Oracle VM VirtualBox Manager > click **Network** to change the network settings to **Bridge.**

Step 4: Power on virtual machine as needed and log into Windows 10 again. After you are logged in, open a web browser, validate Internet connection by surfing google.ca

[Take a screenshot 03 of the output window and paste it here]

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Lab 2.2 – Windows Operating System SecurityBasic Commands

Step 1: Create a new directory named your firstname\_latname.

[Take a screenshot 04 of the output window and paste it here]

Step 2: Rename the directory as firstname\_latname\_StudentID

[Take a screenshot 05 of the output window and paste it here]

Step 3: Create a sub directory named OS\_test1.

[Take a screenshot 06 of the output window and paste it here]

Step 4: Create a notepad under OS\_test1 called text1.txt.

[Take a screenshot 07 of the output window and paste it here]

Step 5: Rename a file called text2.txt.

[Take a screenshot 08 of the output window and paste it here]

Step 6: Copy text2.txt and create a new file called text3.txt.

[Take a screenshot 09 of the output window and paste it here]

Step 7: Delete a file called text3.txt.

[Take a screenshot 10 of the output window and paste it here]

Step 8: Move the file OS\_test1 to your firstname\_latname\_StudentID.

[Take a screenshot 11 of the output window and paste it here]

Step 9: Delete the sub directory called OS\_test1.

[Take a screenshot 12 of the output window and paste it here]

Step 10: Delete the main directory.

[Take a screenshot 13 of the output window and paste it here]

Acknowledgement:

My name is ………………………………………………………………………………………………………

I understand the lab rules and grading point calculation and I will strictly follow it.

Signature: ……………………………………….. Date:………………………………

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