

CYSE 301: Cybersecurity Technique and Operations

Assignment: Lab 1– Basic Linux commands

Before our CCIA is ready for use, You can configure a Ubuntu Virtual Machine on your computer to practice some basic the Linux skills.

Task A. Get ready with VMs (30 points)

1. Install a Ubuntu 20.04+ VM on your local machine and screenshot the login page.

Hint: You can follow many tutorials online. [Here is one example.](#)

Task B: Practice with Linux Commands

Tip: You can take one screenshot to cover the answer for multiple tasks.

1. How do you find the IP address of your Linux machine using the command line?
2. Display your current directory in a terminal.
3. Use the **echo** command to print your name to the console.
4. Display your **first and last names in two separate lines** using a **single echo command** (tip: how to enable the interpretation of escape characters?)
5. How to change to home directory using **cd** and absolute pathname.
6. Create a new file named "for**XXXX**.txt" in your **home** directory (replace "**XXXX**" with your own MIDAS). Then, use the long listing format to display the contents in your home directory. What is the size of the file you just created?
7. Create a new directory named "**XXXX**" in your **home** directory (replace "**XXXX**" with your own MIDAS). Then, use the **long listing format** to display the contents in your home directory. What is the size of the file you just created?
8. Copy **/etc/passwd** file to your home directory. The copy should be named as "passwd_**XXXX**" (replace "**XXXX**" with your own MIDAS) in your home directory. Then, complete the following two subtasks:
 - Use the proper command to display the first **six** lines in this file.
 - Search keyword "www" in this file.