Basic Linux for CTFs

What do I need to play?

Challenges may require **linux** to be solved (or at least it can make your life easier).
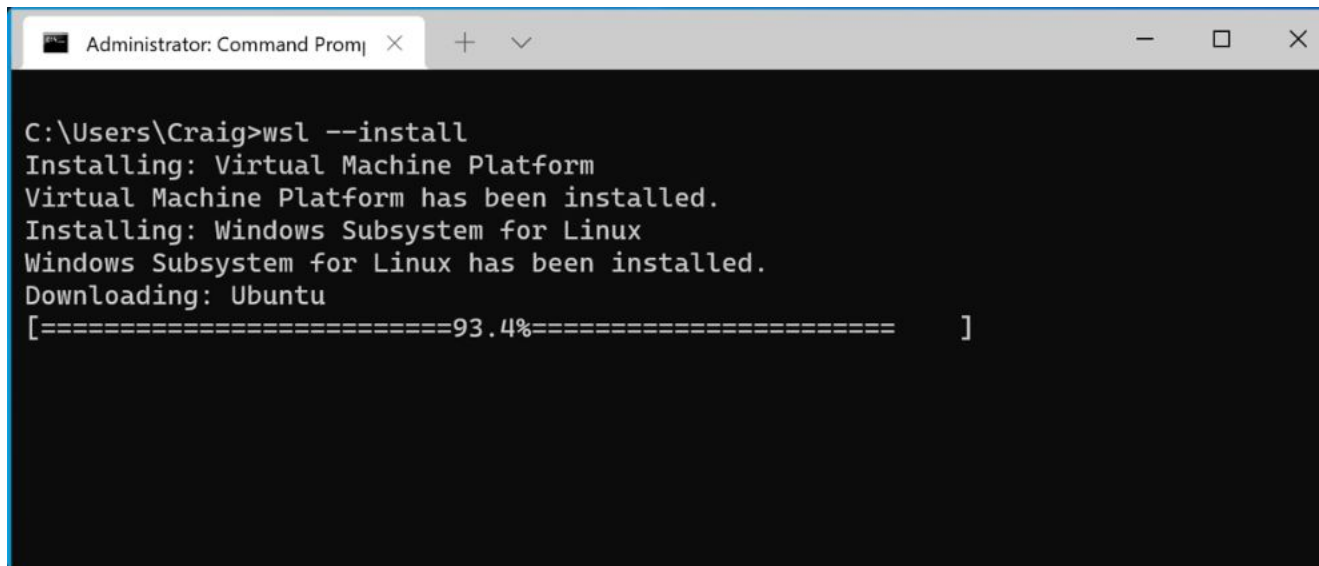
So should I change my OS just for CTF?

It's **not necessary** to install linux as your main OS, you have many different options:

- **Virtual Machine**
- **Dual Boot**
- **WSL2**

Installing WSL

- run powershell as administrator
- execute the command "wsl -- install"

Some Linux basics

During CTFs it is **crucial** to know how to use Linux **properly** so let's start with some basics

Here's a command line cheatsheet:

https://cheatography.com/davechild/cheat-sheets/linux-command-line/

Some Linux basics

Often challenges require also **remote connection**. There are many way to do it

- **SSH** ➜ **Secure SHell is a protocol that allows to establish an encrypted connection that gives us a remote shell**

- **netcat** ➜ **the TCP and UDP swiss knife**

- **curl** ➜ **allows remote data transfer in a plethora of protocols**

Bandit from OvertheWire is a good way to get started with **linux** for cybersecurity:

https://overthewire.org/wargames/bandit/