B1 - Introduction to OS

B-ADS-100

Project

Self Dumping

{EPITECH.}

As I'm sure all you already know, your computers have been dumped so that you can start the Pool under the best circumstances.

The goal of this first bootstrap is to have you discover how to proceed with the **installation of your first virtual machines**.

You could then possibly break free from Epitech's dump.

If not done yet,

1. activate virtualization (VTd and VTx) in your BIOS ;
2. download and install the version of VirtualBox matching your OS, as well as the «Extension Pack» ;
3. download Fedora 26 Workstation 64bits ISO (net install images) ;
4. download Windows 10 ISO and write down its activation key.
5. if not done yet, begin with bootstrap project

Now, use your virtual machine from your bootstrap and add theses features :

Install Fedora 26:
- Install Fedora 26 with graphical interface
- Install Epitech Tools : GitHub
- Have a Grub bootloader on startup to select operating system

Fedora 26 configuration:
- Have a correct keyboard mapping
- Create a non-root user account, with sudoers access
- Create a "Windows" directory on home directory of user account
- This "Windows" directory must be automaticaly mount on startup with the home user directory in the Windows partition with read/write access (WARNING: Only user home, no full disk !)
- Internet access
- Graphic drivers
- Audio drivers

Windows 10 configuration:
- Create a standard user account (not an administrator)
- Create a "Fedora" directory on home directory of user account
- This "Linux" directory must be automaticaly mount on startup with the home user directory in the Fedora partition with read/write access (WARNING: Only user home, no full disk !) ext2fsd
- Internet access
- Graphic drivers
- Audio drivers

Bonus:
- Replace the "Bocal" dump of your computer with your own installation of Windows 10 and Fedora 26
- Install third operating system (Debian, Ubuntu, ArchLinux, …) and install a Fedora 26 Epitech Docker and run it to test your projects ! Docker Hub