

## Practical session 1 (2H)

- 1) For this session, we need to install a virtual player to boot and install the VMWare hypervisor. For that, install on your laptop VMWare Workstation for Linux and Windows users and VMWare Fusion for Mac users. This installation need no more 15 minutes (depends on the network bandwidth).
- 2) After this installation, install the ESXi hypervisor. Download the iso file from <http://www.menaud.fr/Cours/Cloud/TP/ESX/>, boot and install the hypervisor
- 3) You can connect your ESXi by Bridge, Nat, Host Only. What is the difference?
- 4) After the installation, play with the GUI from your browser. More precisely, inspect the three main components : host, switch, datastore. You need to enter a license key for a ESXi free evaluation:
  - a. 1H430-0UK05-L8380-0LA8M-157H7
- 5) Now, we are ready to start our first VM. First, download a simple OVA file
  - a. <http://www.menaud.fr/Cours/Cloud/TP/DOS/>  
Install and start DOS
- 6) Start, stop, suspend, restart your first VM. Explore the datastore, list all files required by the DOS VM.
- 7) The DOS VM don't have access to the net. Download, install and start a TinyLinux OVA.
  - a. <http://www.menaud.fr/Cours/Cloud/TP/OVA-Linux/>
- 8) This TinyLinux was configured with 48 Mb, it's not sufficient for a correct execution, change this value to 64 Mb.
- 9) Understand how this VM is connected, (vswitch). Try to ping, from TinyLinux, the others neighbor's TinyLinux.
- 10) Finally, Install a new VM Linux from scratch. Download the Iso file and install, start and ping the Linux Core 5.4.
  - a. <http://www.menaud.fr/Cours/Cloud/TP/ISOLinux/>