

-- SAE S1.03 -- Installing Ubuntu on a Virtual Machine

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Langue : Anglais

Travail en binôme (même groupe TD)

*Le compte-rendu (en anglais et en format PDF) est à déposer sur l'espace Moodle au plus tard le **vendredi 23 septembre 2022 à 23h55**.*

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Un seul dépôt par binôme.

I. PRESENTATION

By reducing the number of physical machines, virtualization is becoming an economic and environmental solution for several companies. In practice, this technique is often a difficult but good exercise.

The objective of this lab session, which is part of the **SAE S1.03**, is to install, a software platform on a physical machine making it possible to create and to execute one or more virtual representations of a computer, i.e. virtual machines, with their various resources. In particular, you will be asked to install a Linux OS (**Ubuntu**) on a virtual machine using a desktop virtualization application, such as **VirtualBox**.

After completing the installation, you will be able to explore the command line interface or the GUI interface (or other more advanced functions).

II. REQUIREMENTS

The client company SAE103 would like to have a guidance document (around 10 pages including screenshots) written in English, which helps every IT employee

install one of the latest distributions of Ubuntu (version 20.04 or 22.04) within a virtual machine created while using VirtualBox.

With your teammate, you will be asked to carefully provide this documentation to the company SAE103 which necessarily describes (with screenshots) the following steps in detail:

- Downloading and installation of VirtualBox (version 6.1)
- Creation of a new virtual machine
- Downloading and installation of Ubuntu version xx.04 (20.04 or later)
- Exploration and illustration of some sample command lines (that you learn from the R1.03 and R1.04)
- Advanced functions such as exploring the GUI interface (*only for bonus*)

III. EVALUATION

This lab session involves **66.67% of the final score of the SAE S1.03**. The evaluation will be based on your serious work and careful preparation of the guidance documentation.

- Content and quality of the document (including necessary steps): 50%
- Organization and presentation (with nice-looking screenshots): 30%
- Written English expression quality: 20%
- Bonus for advanced functions

Please note that you should include all of the references (links, documents, etc.) you refer to during your work.

More importantly, DO NOT copy and paste the texts from those references (it is possible to rephrase but do not copy). DO NOT copy and paste from other teams of students work. All types of plagiarism (detected by an anti-plagiarism software from Moodle) will be penalized.