

Assignment 1: Installing and Using VirtualBox with Linux Xubuntu

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Objective

This assignment aims to introduce students to hypervisor technology through the installation and use of Oracle VirtualBox, including the setup of a virtual machine with a Linux-based operating system. Students will practice installing the VirtualBox hypervisor, adding the Extension Pack, and deploying a Linux guest OS in a virtual environment.

Assignment Description

Students are required to complete the following tasks:

1. Download and install the latest version of **Oracle VirtualBox** on your personal computer.
2. Download and install the **VirtualBox Extension Pack** compatible with the installed version.
3. Create a new virtual machine with the following specifications:
 - **Name:** Xubuntu22
 - **Operating System:** Linux (Ubuntu 64-bit)
 - **CPU:** 2 virtual CPUs
 - **Memory:** 2 GB RAM
 - **Storage:** 30 GB virtual disk
4. Download the ISO image of **Xubuntu 22.04 LTS** from the official website:
<http://mirrors.psu.ac.th/ubuntu-cdimages/xubuntu/releases/22.04/release/>
5. Use the ISO to install Xubuntu on the virtual machine. Go through the complete installation process until the OS is fully installed and the desktop environment is accessible.
6. Take screenshots of important steps during the installation process, including:
 - VM settings before boot

- Booting from ISO
- Installation steps (language selection, disk partitioning, username, etc.)
- First successful boot into Xubuntu

7. Compile all screenshots into a single PDF file.

8. In the same PDF, briefly explain each step in your own words (in English or Thai).

Submission

- Submit your assignment as a single PDF file named: `INT693_A1_YourStudentID.pdf`
- Upload the file to the MS Team Assignment as instructed in class.

Evaluation Criteria

- Completion of all required tasks
- Clarity and completeness of explanation
- Correct setup of VM and successful installation
- Proper formatting and screenshot evidence