Exercise sheet 1 – Basic setup and first steps

Goals:

- Having a running Linux on your own computer

- Having a working Linux for the next exercises

- + The goals of exercise sheet 1x

If you still have the OS virtual machine (`OS-DEV_4.0.ova`) from the last semester (OS lecture), you can skip the configuration steps and start directly with cloning the CA repository from exercise 1.5 on.

Exercise 1.1: Install Virtual Box or use VMware Player/Workstation
Windows:

(a) Download from `https://www.virtualbox.org/wiki/Downloads`

(b) Install `VirtualBox-6.x.xx-xxxxxx-Win.exe`

(c) A reboot is always a good idea on Windows.

MAC:

(a) Download from `https://www.virtualbox.org/wiki/Downloads`

(b) Install `VirtualBox-6.x.xx-xxxxxx-OSX.dmg`

Linux (Debian based):

(a) `sudo apt install virtualbox virtualbox-qt`

Exercise 1.2: Install VirtualBox extension pack

(a) If you use VirtualBox, please also install the extension pack to have all features available, especially USB 2.0 support within the VM: `https://www.virtualbox.org/wiki/Downloads`

Exercise 1.3: Import the OS virtual machine

(a) Start VirtualBox

(b) File -> Import Appliance

(c) Select the `.ova` file you got

(d) Select option: Generate new MAC addresses for all network adapters (if available)

(e) **Deselect** option: Import hard drives as VDI

(f) Wait until the appliance is imported (this can take a while)

Exercise 1.4: Start the virtual machine

(a) Start the virtual machine

(b) Login with user: `dev`, pw: `devved`

(c) Explore the Linux

Exercise 1.5: Configure git: clone CA repository

(a) Open `https://inf-git.th-rosenheim.de` in a web browser

(b) Login once with your university credentials

(c) Start terminal (F12)

(d) `cd` `~/Desktop`

(e) `git` `clone https://inf-git.th-rosenheim.de/Lectures/CA_exercises.git`

(f) Follow the steps in `ca_sheet_01_xtended.pdf`