

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_3.0.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: Reinitialize the MAC address of all network cards (if available)
- (e) 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.fh-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.fh-rosenheim.de/Lectures/RA_exercises.git`
- (f) Follow the steps in `ca_sheet_1_xtended.pdf`