

## Exercise sheet 1 – Basic setup and first steps with Linux

### Goals:

- Having a running Linux on your own computer
- Having a working Linux for the next exercises
- + The goals of exercise sheet 1x

### Exercise 1.1: Install VirtualBox 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-q`

### 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) Download ( $\approx 5.2$  GiB)  
[https://syncandshare.lrz.de/dl/fi47QHBEvKgUENHy13EkY8vy/OS-Dev\\_4.0.ova](https://syncandshare.lrz.de/dl/fi47QHBEvKgUENHy13EkY8vy/OS-Dev_4.0.ova)  
or copy (from USB stick in the exercise) the virtual machine
- (b) Start VirtualBox
- (c) File -> Import Appliance
- (d) Select the .ova file you got
- (e) Select option: Reinitialize the MAC address of all network cards
- (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 OS repository

- (a) Open `https://inf-git.th-rosenheim.de` in a web browser
- (b) Login once with your university credentials
- (c) Open `guake` terminal (F12)
- (d) `cd ~/Desktop`
- (e) `git clone https://inf-git.th-rosenheim.de/Lectures/OS_exercises.git`
- (f) Follow the steps in `os_exercise_sheet_1_xtended.pdf`