

## Install the Virtual Machine

**user:** coatwork    **password:** berlin2015

This file describes how to install and start the CO @ Work Virtual Machine (VM) on your laptop. The VM contains all important software packages and exercises.

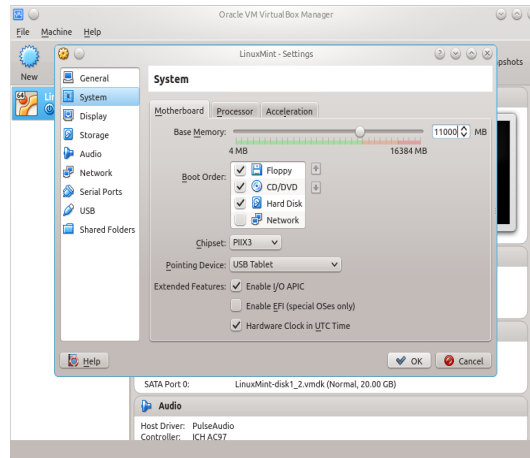
### Installation

1. Download the file `COatWork_VM_64bit.zip` from <http://co-at-work.zib.de/> and extract it to your favorite location. You will need at least 17GB free space.
2. Download the VM player VirtualBox: <https://www.virtualbox.org/>.
3. Install the VirtualBox.
4. Start the VirtualBox and click on "File" then on "Import Appliance..." and select the VM image "LinuxMint\_64bit.ova" which you have extracted to your favorite location. Confirm with "import".

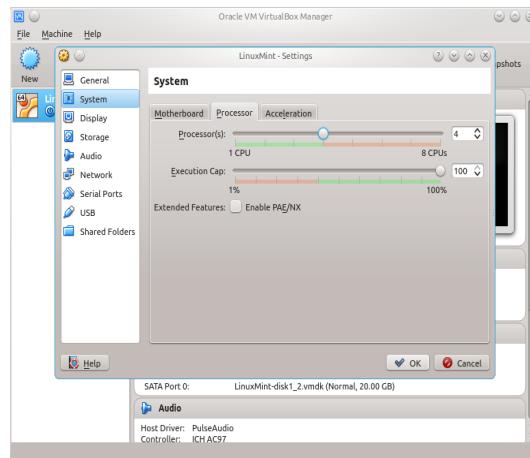
### Setup the VM

Depending on your Laptop you have to change some default settings. Select "LinuxMint\_64bit" in the left bar and press the "Settings" button above.

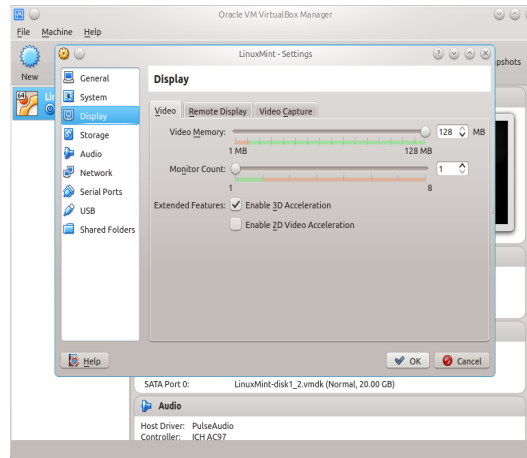
1. Select "System" and increase the "Base Memory" to the largest value which is possible (right most point on the green bar).



2. Select "Processor" and increase "Processors" and "Execution Cap".



3. Select "Display" and increase "Video Memory" and enable (if possible) "3D Acceleration".



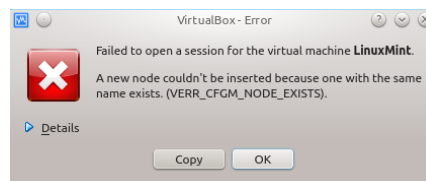
Now, you can start the VM with a double-click on "LinuxMint\_64bit" in the left bar.

## Material

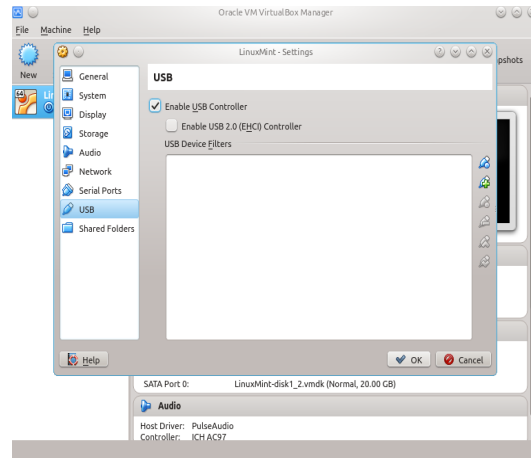
In the Virtual Machine, we have already installed all the software you will need for the exercises (`/home/projects/`). We also created some folders that contain and can be used to store exercise material `/home/coatwork-exercises/` and the slides of the lectures `/home/coatwork-slides/`.

## Known Problems

*Failed to open a session for the virtual machine...*



To fix this issue you have to disable the "USB Controller" under "settings > USB" and start the VM.



*VT-x is disabled in the BIOS for both all CPU modes...*

This problem can be fixed by enabling the "(Intel) Virtualization Technology" in your BIOS configuration.