

## Installation of Oracle VirtualBox 6 and the ILSB-VM

**Your computer has to have a 64bit CPU with SSE2 and has to run a 64bit operating system and Virtualization (VT-x or AMD-V) has to be turned on in the BIOS/UEFI!!!**

Supported OSs

- a) Windows: Windows 7 to Windows 10 – NO Windows 98, ME, 2000, XP or Vista
- b) MacOS: 10.12-10.15
- c) Linux: Ubuntu 16.04-19.10, RedHat EL 6-8, openSUSE 15 and many more

Please use VirtualBox 6.0 if your OS is not supported in VirtualBox 6.1 anymore!

### **IN CASE OF DIFFICULTIES ONLY!!!**

Installation hints for Windows 10 und Microsoft Defender can be found at <https://www.heise.de/ct/hotline/Virtualisierung-klemmt-4182287.html> (in German)

Sometimes entering **bcdedit /set hypervisorlaunchtype off** and rebooting is enough.

Windows 10 Home:

Settings -> Apps & Features -> Programs and Features -> Turn Windows Features on or off -> uncheck Windows Hypervisor Platform -> Reboot

When the screen stays black after starting the VM virtualization is not turned on with 95% probability.

Introductions for turning on virtualization can be found by googling the name of your PC (or Notebook) or motherboard and the keyword Virtualization. There are plenty of Youtube introduction videos therefor.

## Installation:

- 1) Download the ILSB-VM (recent version) and unzip (OS dependent) in a directory
- 2) Download the VirtualBox (recent version) AND Extension Pack at <https://www.virtualbox.org/wiki/Downloads>



The screenshot shows a Mozilla Firefox browser window displaying the VirtualBox website's Downloads page. The browser's address bar shows the URL <https://www.virtualbox.org/wiki/Downloads>. The page features the VirtualBox logo and a navigation menu on the left with links for About, Screenshots, Downloads, Documentation (End-user docs, Technical docs), Contribute, and Community. The main content area is titled "Download VirtualBox" and includes a search bar, a "Login" link, and "Preferences" options. The text on the page states: "Here, you will find links to VirtualBox binaries and its source code." Below this is a section titled "VirtualBox binaries" with a note: "By downloading, you agree to the terms and conditions of the respective license." The section lists three main categories of binaries:

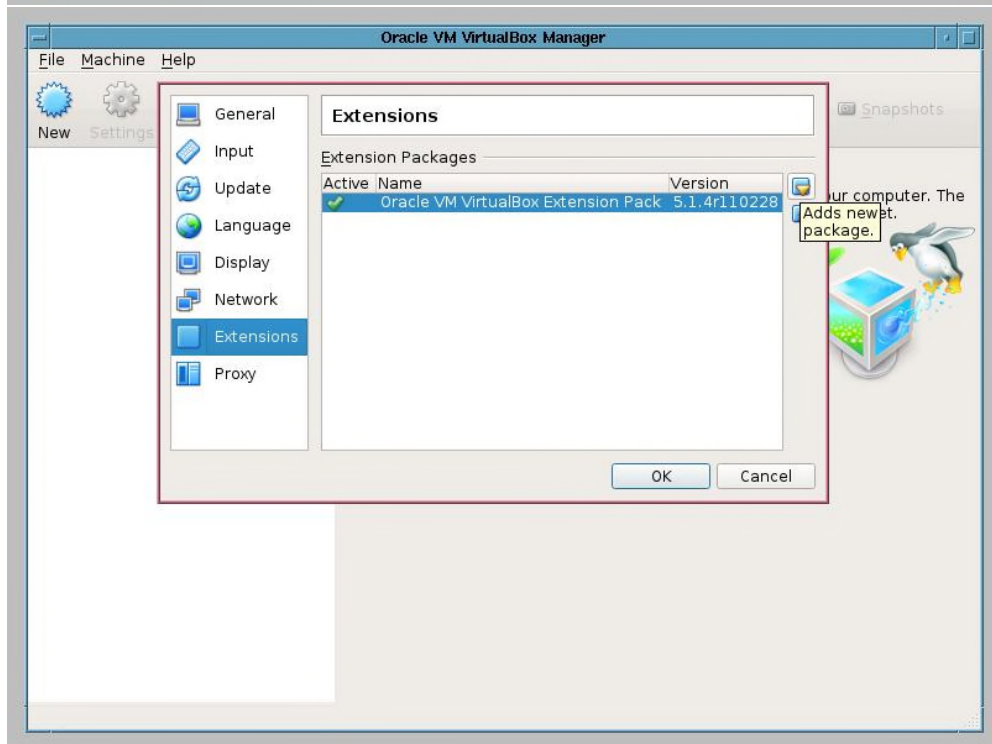
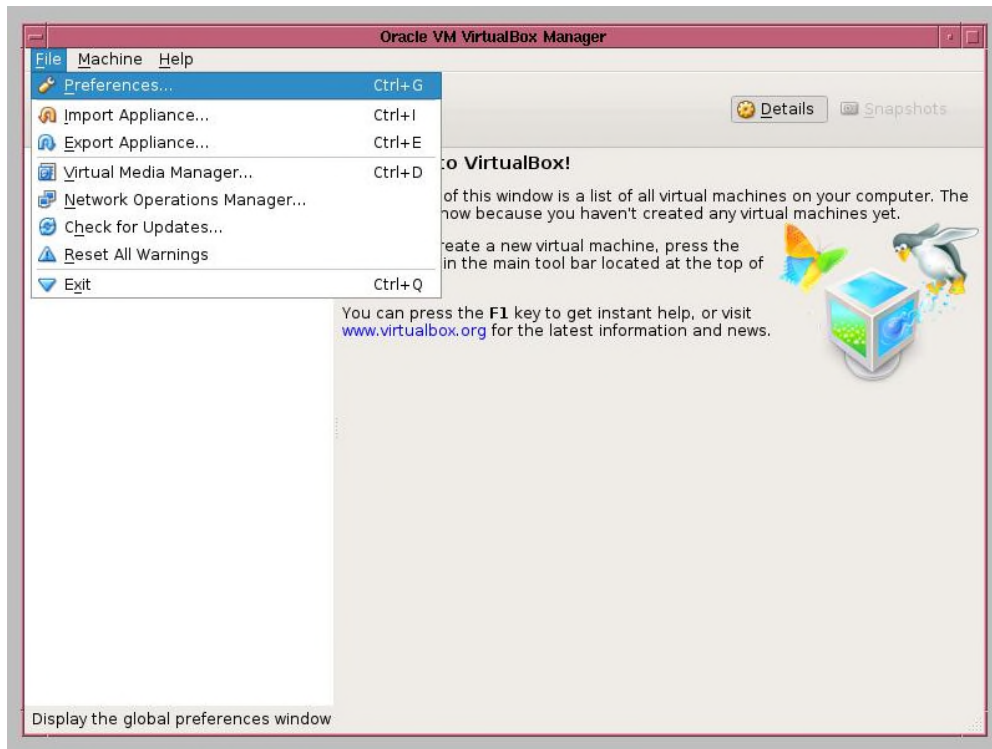
- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
  - **VirtualBox 5.1.4 for Windows hosts** → x86/amd64
  - **VirtualBox 5.1.4 for OS X hosts** → amd64
  - **VirtualBox 5.1.4 for Linux hosts**
  - **VirtualBox 5.1.4 for Solaris hosts** → amd64
- **VirtualBox 5.1.4 Oracle VM VirtualBox Extension Pack** → [All supported platforms](#)  
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See this chapter from the User Manual for an introduction to this Extension Pack. The Extension Pack binaries are released under the VirtualBox Personal Use and Evaluation License (PUEL).  
*Please install the extension pack with the same version as your installed version of VirtualBox; If you are using **VirtualBox 5.0.26**, please download the extension pack → [here](#).*
- **VirtualBox 5.1.4 Software Developer Kit (SDK)** → All platforms

See the changelog for what has changed.

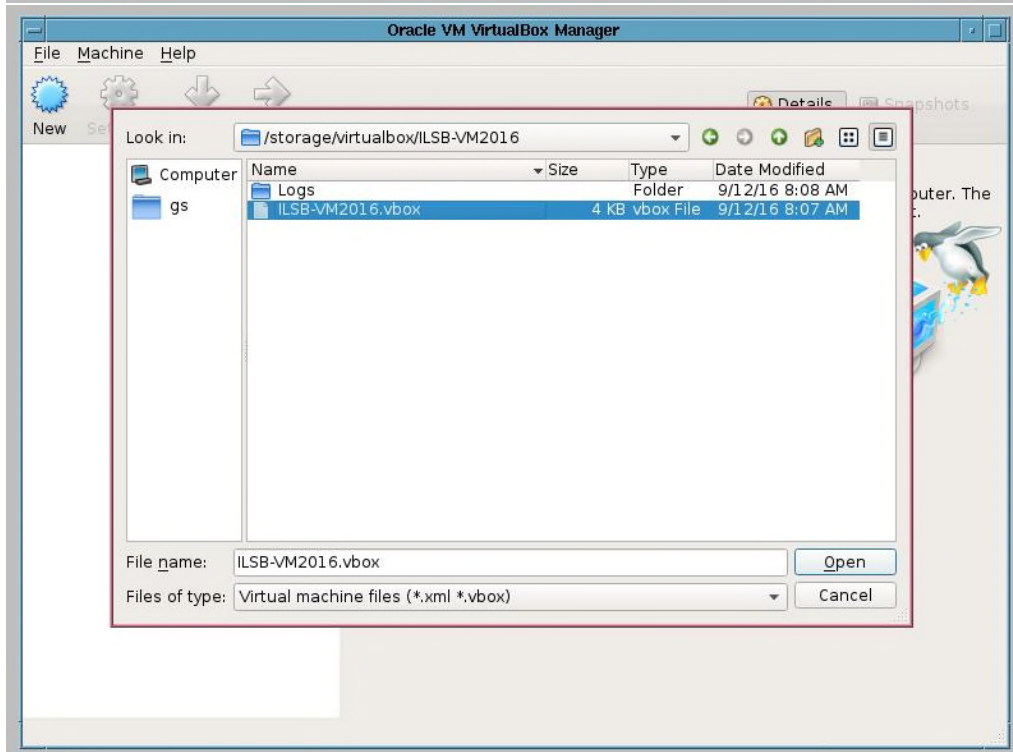
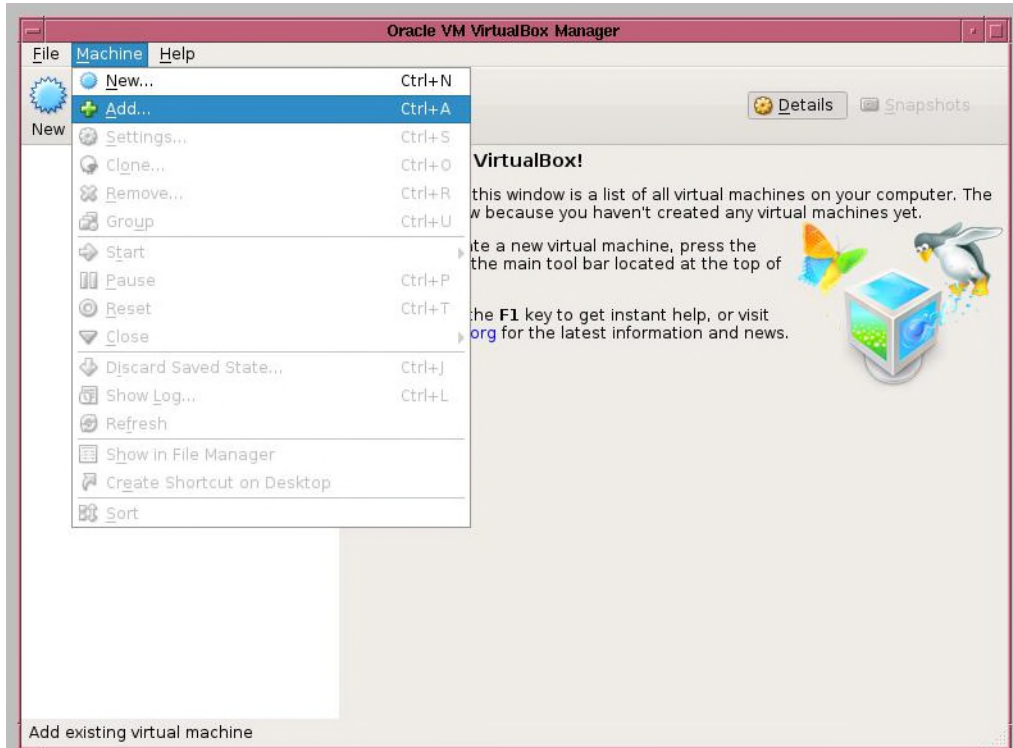
You might want to compare the SHA256 checksums or the MD5 checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

download.virtualbox.org/virtualbox/5.1.4/Oracle\_VM\_VirtualBox\_Extension\_Pack-5.1.4-110228.vbox-extpack

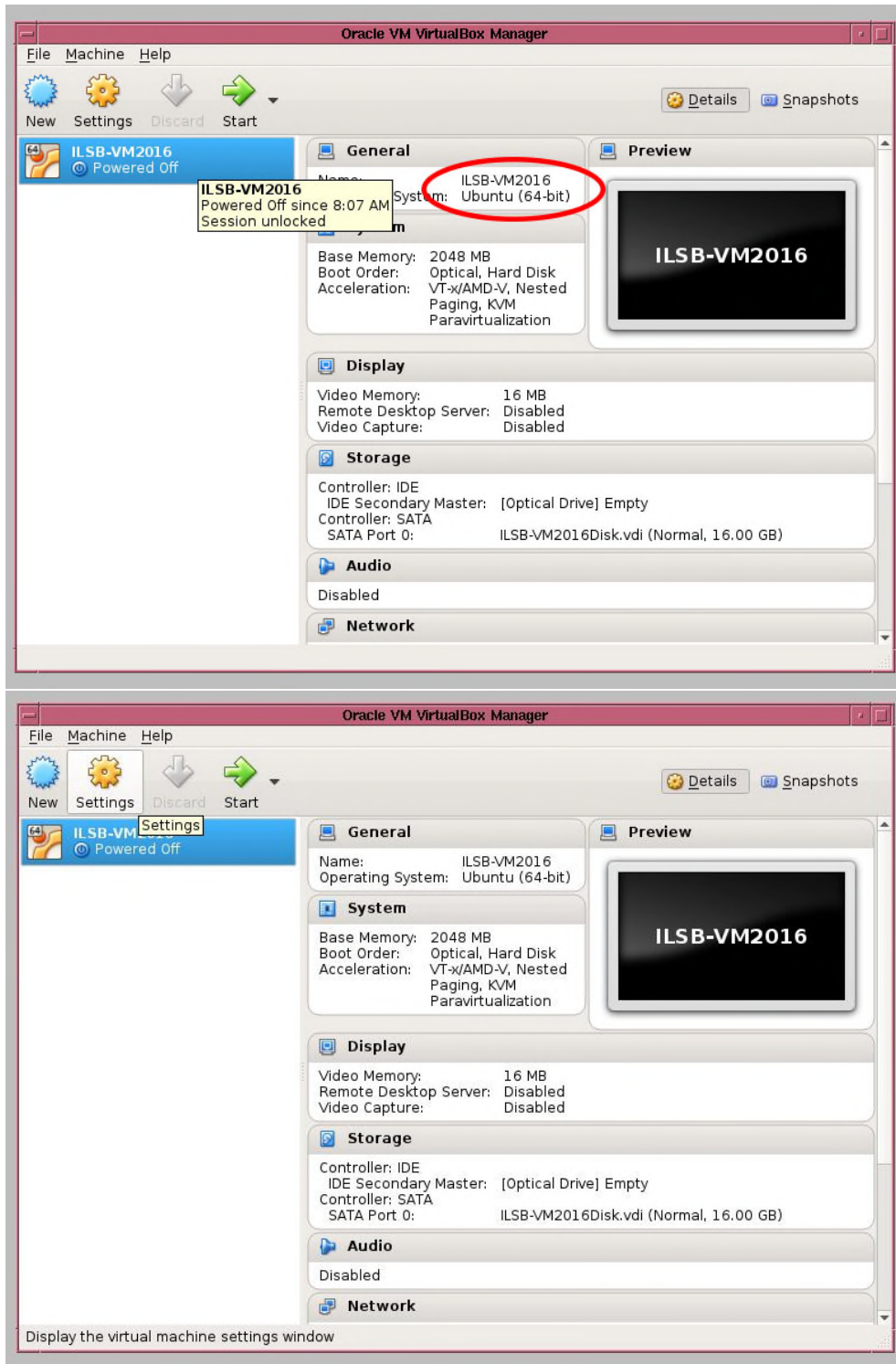
- 3) Installation depending on OS
- 4) Installation of the Extension Packs

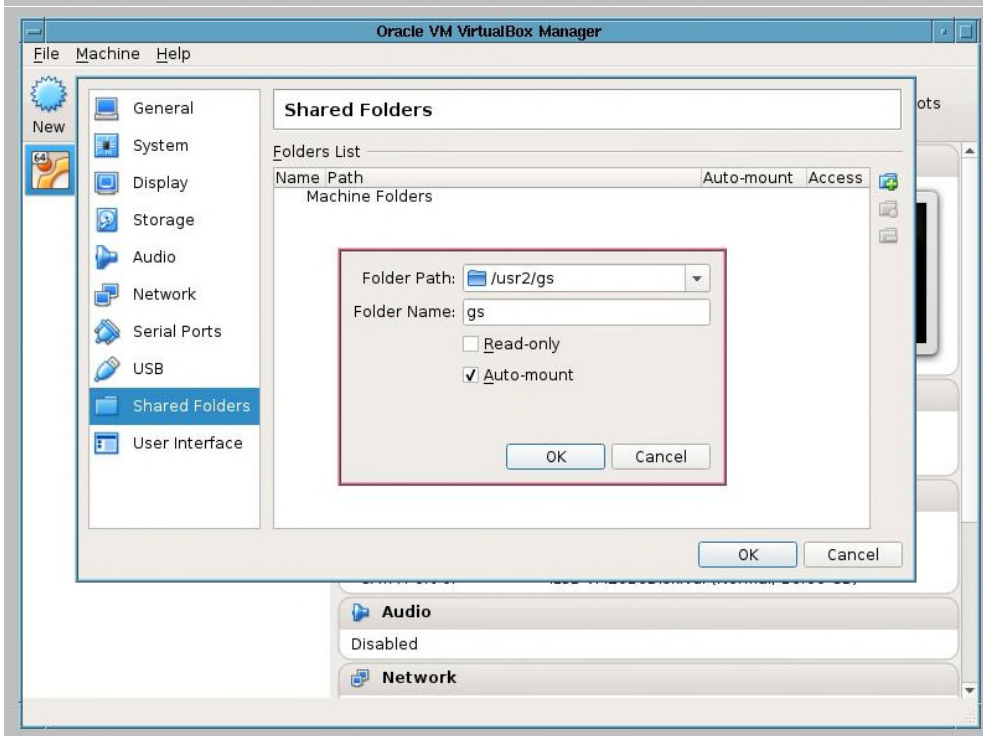
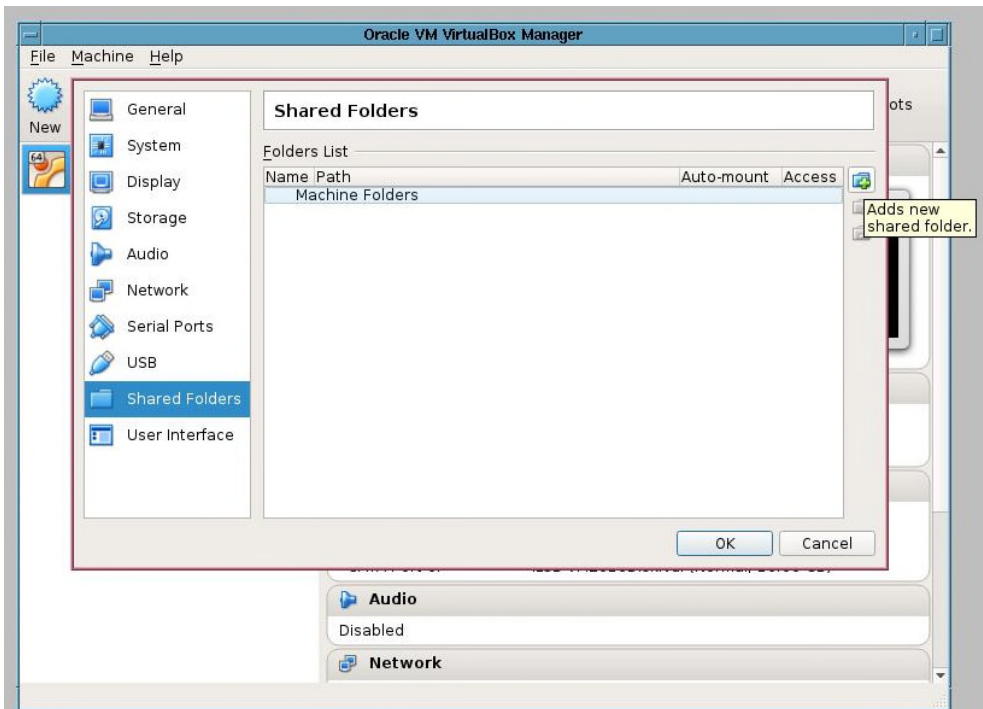


5) Add the (unzipped) ILSB-VM

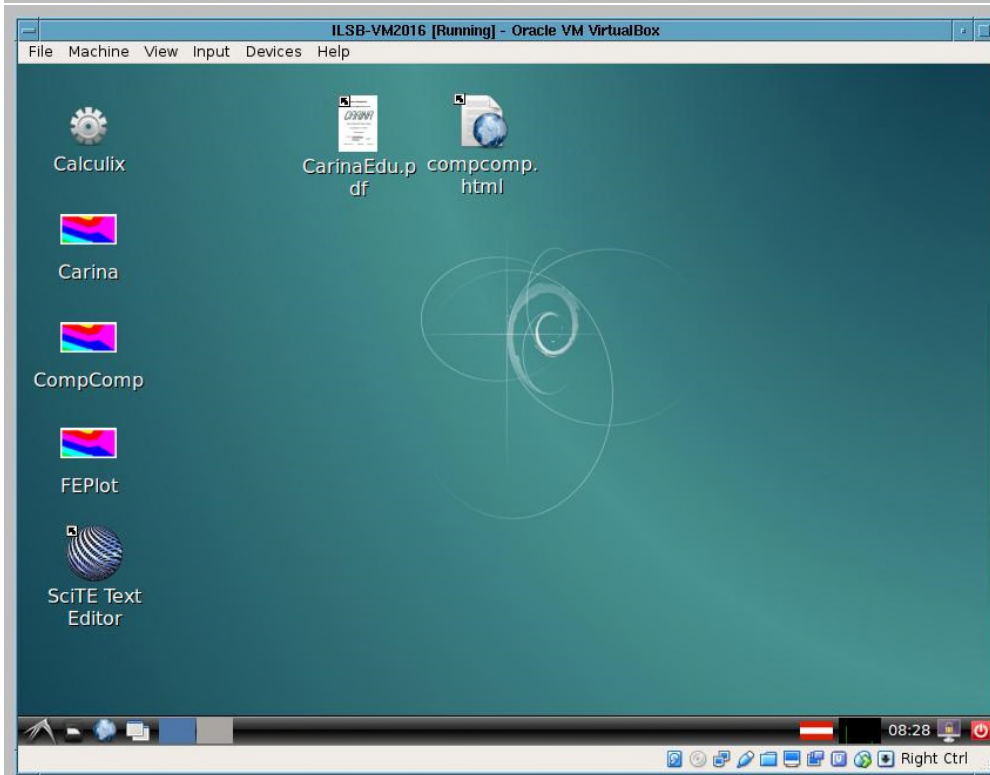
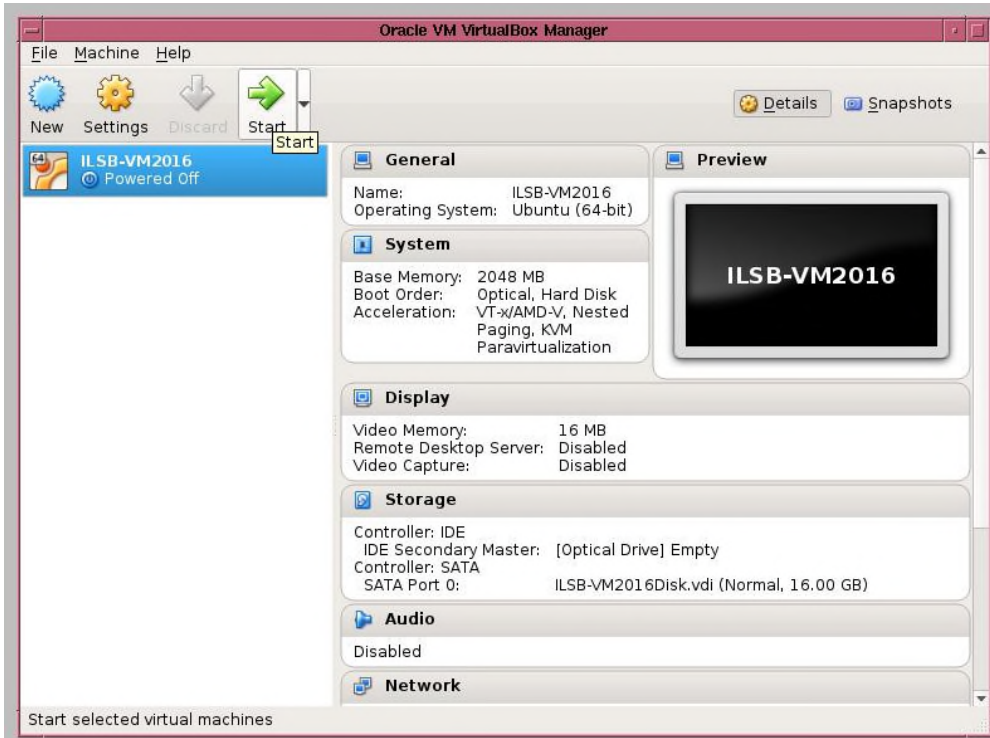


## 6) Setup of Shared Folders with the host OS





## 7) Start of the VM



The Shared Folder is located in sf\_NAME

