Computer Operating Systems, Practice Session 1

Linux Installation

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Today

Computer Operating Systems, PS 1

Different ways of using Linux Creating a virtual machine using VirtualBox



Installing on hard drive

► Linux distribution is installed on PC's harddisk.

► High performance usage.

- ▶ Installation alongside with another OS (such as Windows).
 - ► https://help.ubuntu.com/community/WindowsDualBoot



Installing on a usb flash drive

 Linux distribution is installed on a usb flash drive using a tool such as Universal USB installer (http://www.pendrivelinux.com/universal-usb-installer-easy-as-1-2-3/)



Installing on a virtual machine

► Linux distribution is installed on a virtual machine (using a virtualization tool such as VirtualBox).



Oracle VM VirtualBox

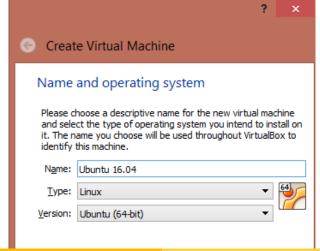
- ► Download VirtualBox from https://www.virtualbox.org/wiki/Downloads
 - ► Select appropriate version for the host operating system you use (e.g., Windows).

► Install VirtualBox.

▶ Download .iso file for the Linux distribution to be installed (Ubuntu 16.04 64-bit).

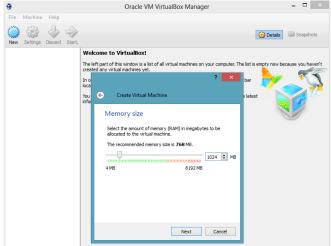


- ▶ Open VirtualBox and select "New" from the menu above.
- ► The type must be set as "Linux" and the appropriate Linux version must be selected (i.e., Ubuntu 64-bit).



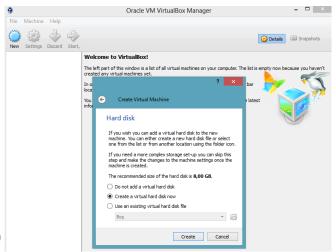


Determine the amount of maximum memory (RAM) available for the virtual machine.



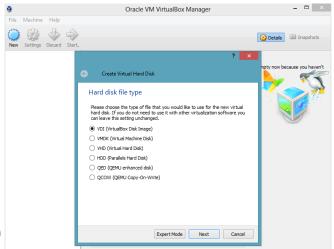


► Create a virtual hard drive for the machine



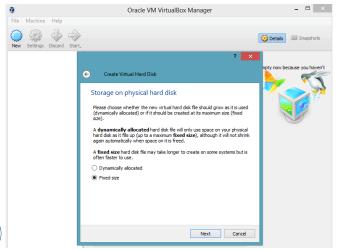


▶ Select VDI (VirtualBox Disk Image) from the list of options.





▶ Determine the type of storage (fixed size vs. dynamically allocated).



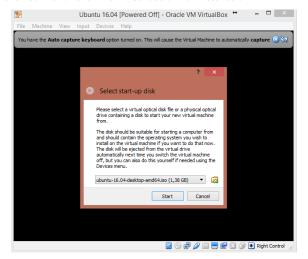


Virtual machine is installed.





- ▶ Press "Start" from the menu above.
- ▶ Select the .iso file for the Linux distribution for installation.





- ► Set the language (F2).
- ▶ Set the keymap (F3).
- ► Select "Install Lubuntu" for starting installation.
- ▶ The rest of the installation is straightforward.

