Virtualization technologies such as virtual machines allow us to experience other operating systems without affecting, removing or changing our default operating system, you can think of it as a "virtual computer" inside your "real computer", this allows us to create multiple virtual machines on our computer.

Before starting it is necessary to **download and install** the software VMware Workstation Player , if you are a **Windows 64-bit user** you can download it from this link. If you are a **Mac OS** user you can download VirtualBox directly from this link

The next step is to download Ubuntu 20.04, you can do it directly from this link (this step applies to Windows and Mac users).

Setup VMware and Ubuntu (Windows users)

With VMware Workstation Player installed open **vmplayer**.



In the interface click on **Create a New Virtual Machine**, this will open a window where you must check **Installer disc image file (iso)**, press the button **Browse**, browse and select the Ubuntu 20.04 file you downloaded earlier (usually called *ubuntu-20.04.3-desktop-amd64.iso*), then press **Next**.

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New Virtual Machine Wizard	×
Welcome to the New Virtual Machine Wizard A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?	
Install from:	
○ Installer disc: No drives available ∨	
 ⇒ Select the installer disc image to continue. ○ I will install the operating system later. 	vse
The virtual machine will be created with a blank hard disk.	
Help < Back Next >	Cancel

Fill in the information that your virtual machine will have and press **Next**.

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New Virtual M	achine Wizard			×
	ll Information used to install Ubuntu	64-bit.		
Personalize Linu	x			
Eull name:	VM Ubuntu 20.04			
<u>U</u> ser name:	ubuntu			
Password:	••••			
Confirm:	••••			
Help		< <u>B</u> ack	<u>N</u> ext >	Cancel

Give a name to the virtual machine, for example Ubuntu 20.04.3 LTS (Focal Fossa) and then press **Next**

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New Virtual Machine Wizard	Х
Name the Virtual Machine What name would you like to use for this virtual machine?	
<u>V</u> irtual machine name:	
Ubuntu 20.04.3 LTS (Focal Fossa)	
Location:	
C:\Users\harle\Documents\Virtual Machines\Ubuntu 20.04.3 LTS Browse	
< <u>B</u> ack <u>N</u> ext > Cancel	

Keep the next window as it is and press **Next**.

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New Virtual Machine Wizard	X
Specify Disk Capacity	
How large do you want this disk to be?	
The virtual machine's hard disk is stored as one or mo physical disk. These file(s) start small and become larg files, and data to your virtual machine.	
Maximum disk <u>s</u> ize (GB):	
Recommended size for Ubuntu 64-bit: 20 GB	
 Store virtual disk as a single file Split virtual disk into multiple files Splitting the disk makes it easier to move the virtubut may reduce performance with very large disk 	
Help < <u>B</u> ack	Next > Cancel

In the next window VMware Workstation Player adjusts the settings based on your computer so there is no need to change anything unless you know exactly what you are doing. Finally press **Finish**.

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Name:	vill be created with the following settings: Ubuntu 20.04.3 LTS (Focal Fossa)		
Location:	C:\Users\harle\Documents\Virtual Machines\Ubuntu		
Version:	Workstation 16.x		
Operating System:			
Hard Disk:	20 GB, Split		
Memory:	4096 MB		
Network Adapter:	NAT		
Other Devices:	2 CPU cores, CD/DVD, USB Controller, Printer, Sound		
<u>C</u> ustomize Hardw	are		

VMware will take care of configuring the operating system installation, so just wait until it is complete, you will see something like this.



At this point the virtual machine is ready for you to start familiarizing yourself with the environment and the user interface. Last update: 2023/01/05 ip:ws2021:lets_plaiy:setup_vm_ubuntu https://student-wiki.eolab.de/doku.php?id=ip:ws2021:lets_plaiy:setup_vm_ubuntu&rev=1633090818 14:38



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