

How to setup a virtual machine with Ubuntu 20.04

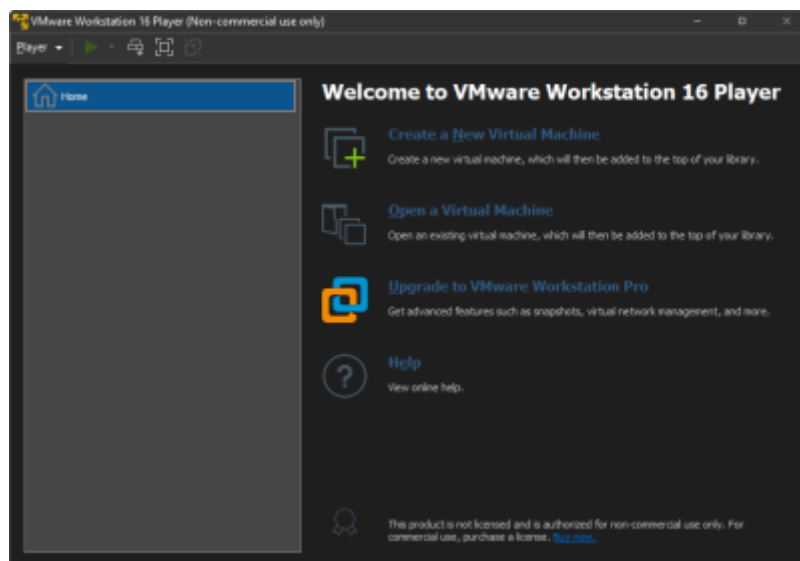
Virtualization technologies such as virtual machines allow us to experience other operating systems without affecting, removing or changing our default operating system, you can think of it as a “virtual computer” inside your “real computer”, this allows us to create multiple virtual machines on our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

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

☒ Installer disc image file (iso):

⌵

Browse...

⇒

 Select the installer disc image to continue.

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

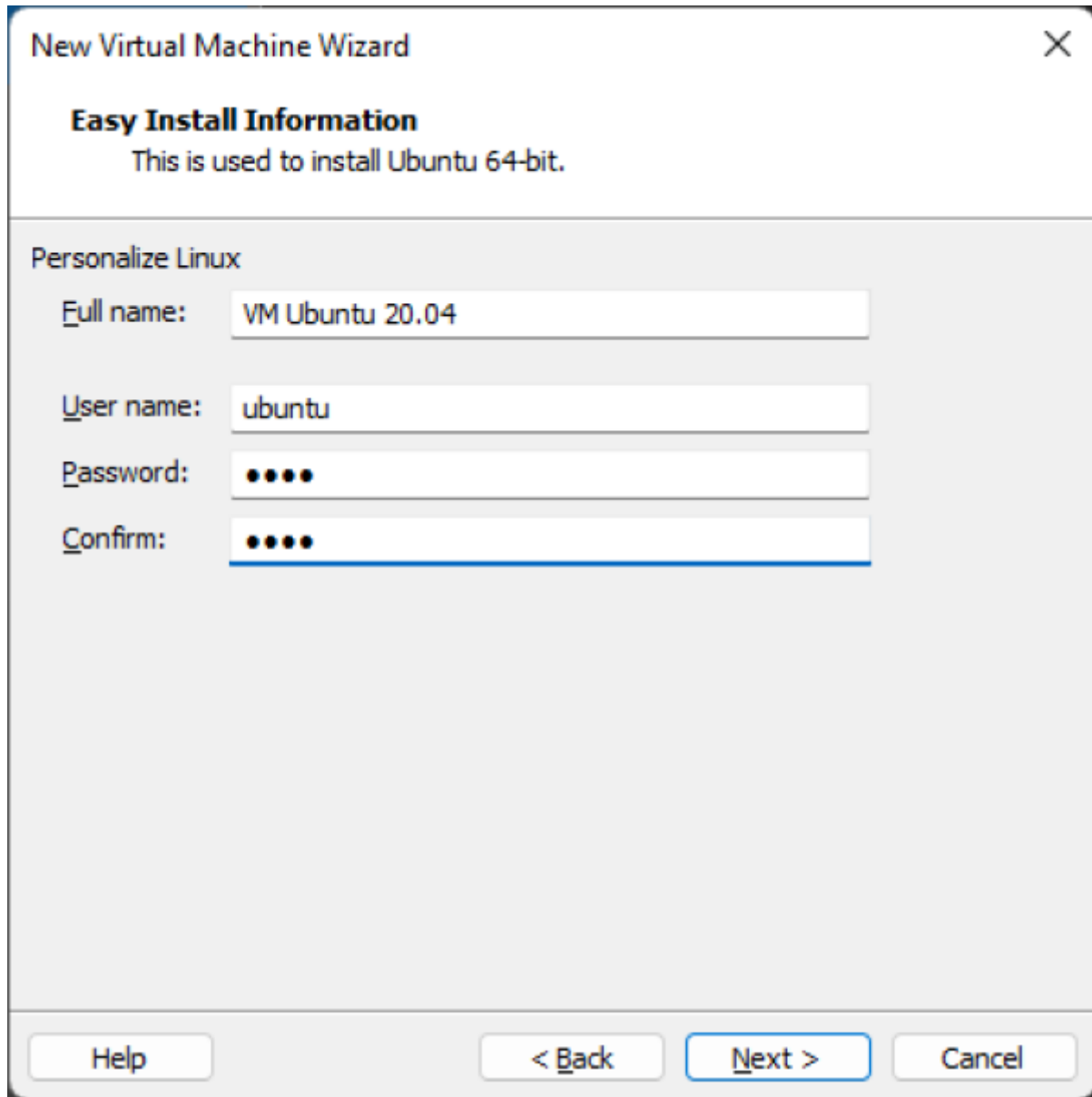
Help

< Back

Next >

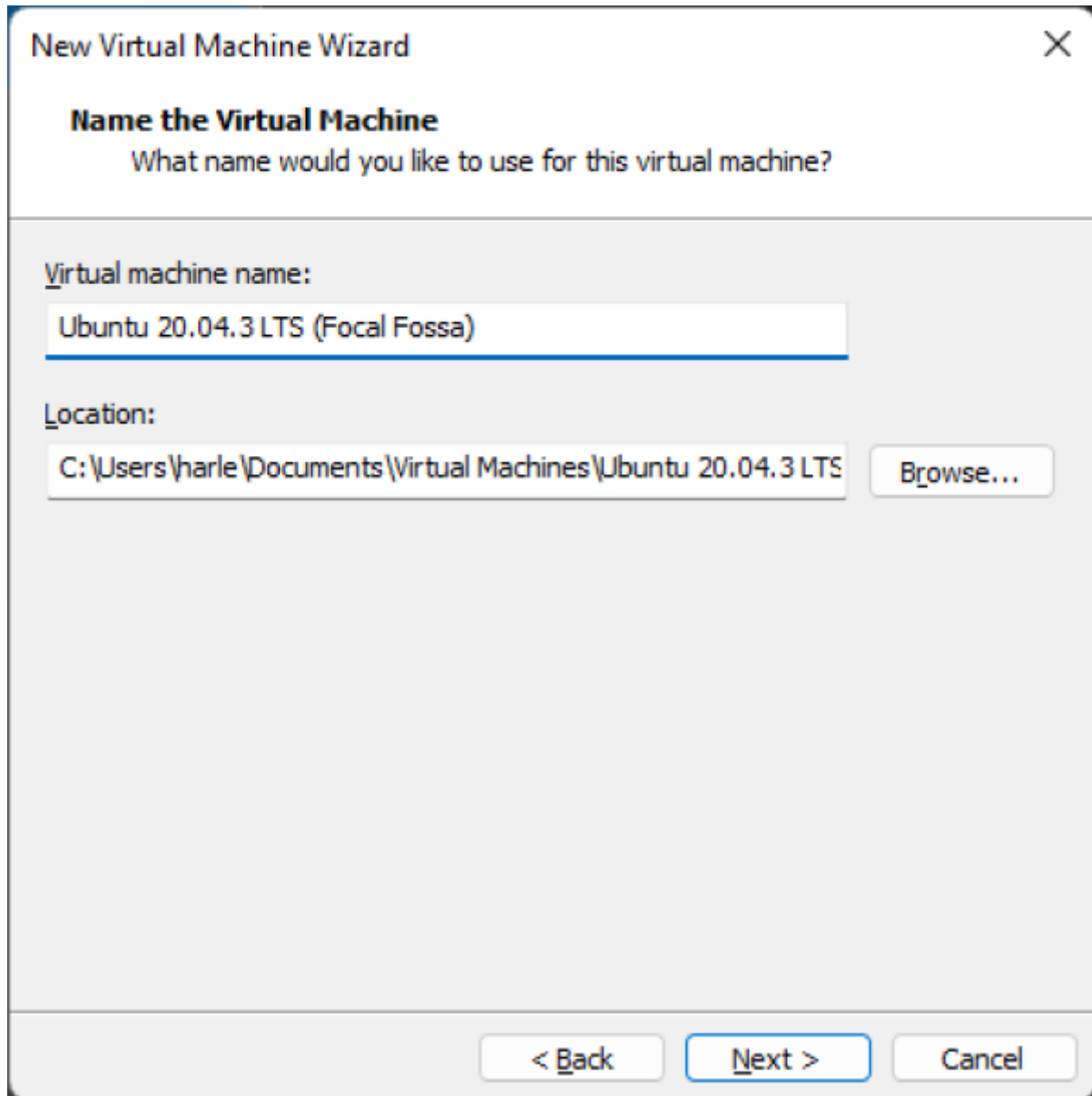
Cancel

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



The image shows a window titled "New Virtual Machine Wizard" with a close button (X) in the top right corner. Below the title bar, the text "Easy Install Information" is displayed in bold, followed by "This is used to install Ubuntu 64-bit." The main section is titled "Personalize Linux" and contains four input fields: "Full name:" with the text "VM Ubuntu 20.04", "User name:" with the text "ubuntu", "Password:" with four dots, and "Confirm:" with four dots. At the bottom of the window, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

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



The image shows a 'New Virtual Machine Wizard' dialog box. The title bar says 'New Virtual Machine Wizard' with a close button (X) on the right. The main heading is 'Name the Virtual Machine' with a subtitle 'What name would you like to use for this virtual machine?'. Below this, there are two input fields. The first is labeled 'Virtual machine name:' and contains the text 'Ubuntu 20.04.3 LTS (Focal Fossa)'. The second is labeled 'Location:' and contains the path 'C:\Users\harle\Documents\Virtual Machines\Ubuntu 20.04.3 LTS'. To the right of the location field is a 'Browse...' button. At the bottom of the dialog, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

New Virtual Machine Wizard

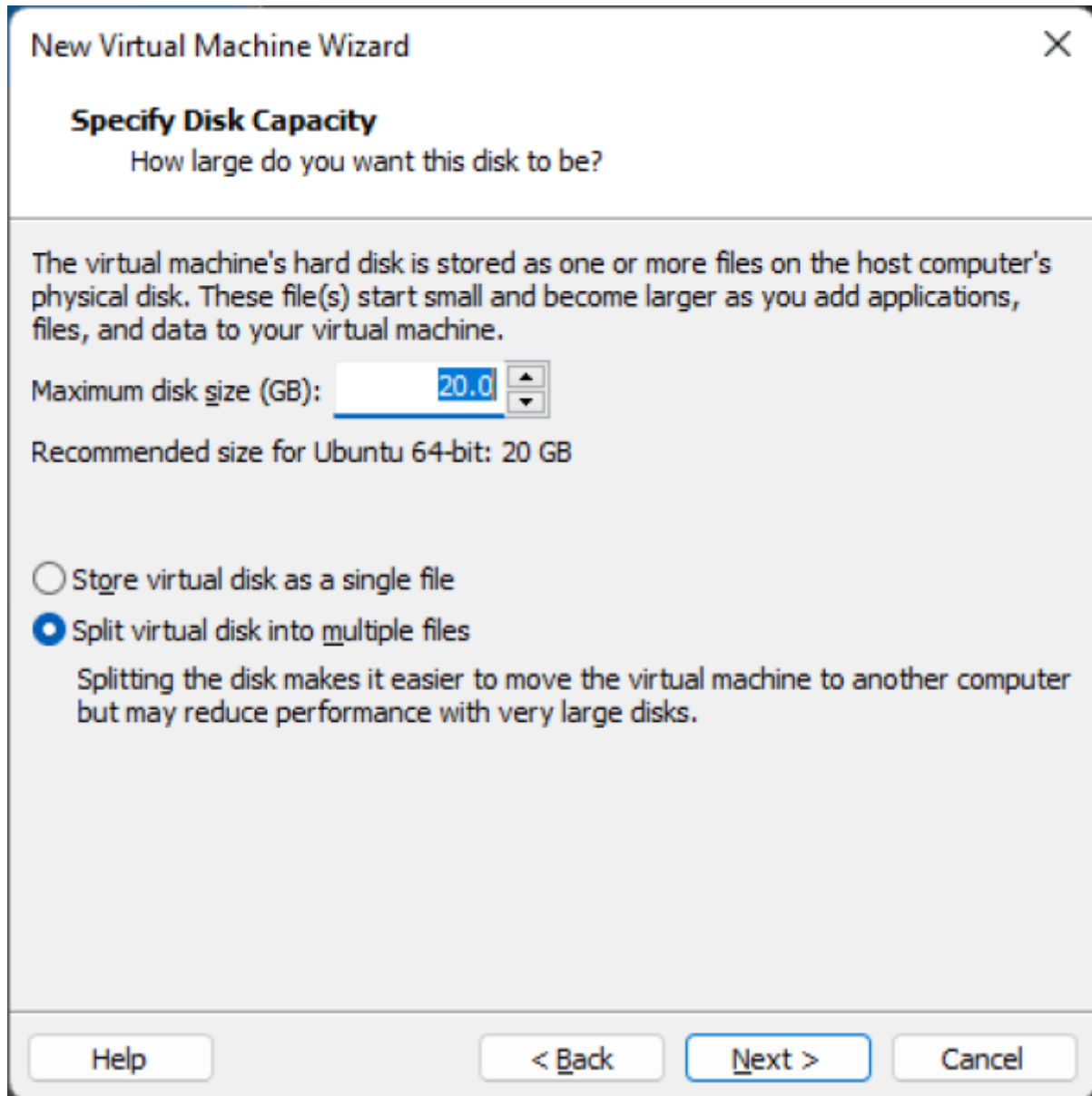
Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
Ubuntu 20.04.3 LTS (Focal Fossa)

Location:
C:\Users\harle\Documents\Virtual Machines\Ubuntu 20.04.3 LTS Browse...

< Back Next > Cancel

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



The image shows a screenshot of the 'New Virtual Machine Wizard' window in VMware Workstation. The title bar reads 'New Virtual Machine Wizard' with a close button (X) on the right. The main heading is 'Specify Disk Capacity' with the subtext 'How large do you want this disk to be?'. Below this, a text box explains: 'The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.' A label 'Maximum disk size (GB):' is followed by a text input field containing '20.0' and a spinner control. Below this, it says 'Recommended size for Ubuntu 64-bit: 20 GB'. There are two radio button options: 'Store virtual disk as a single file' (unselected) and 'Split virtual disk into multiple files' (selected). A note below the selected option states: 'Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 GB

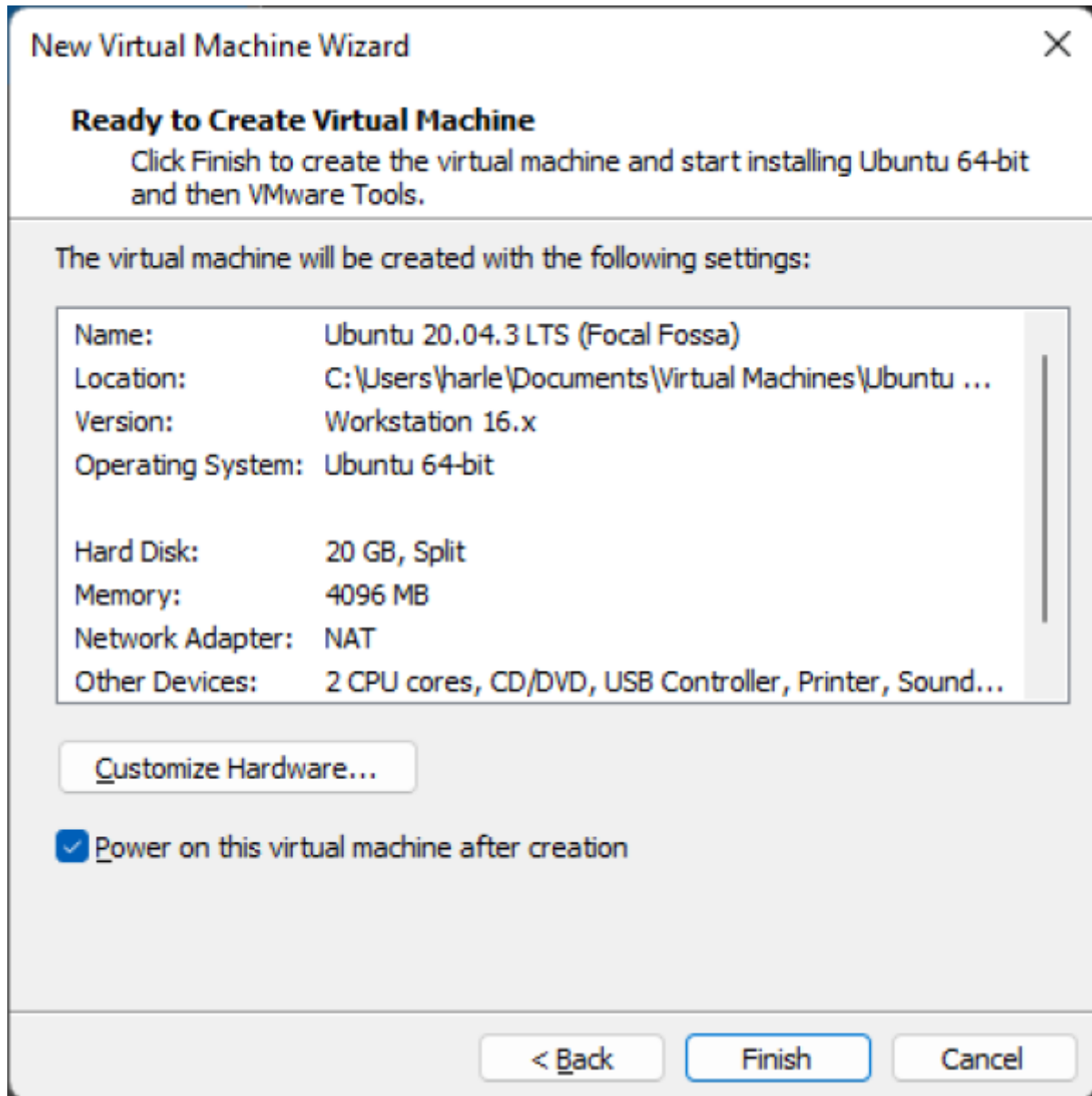
☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files

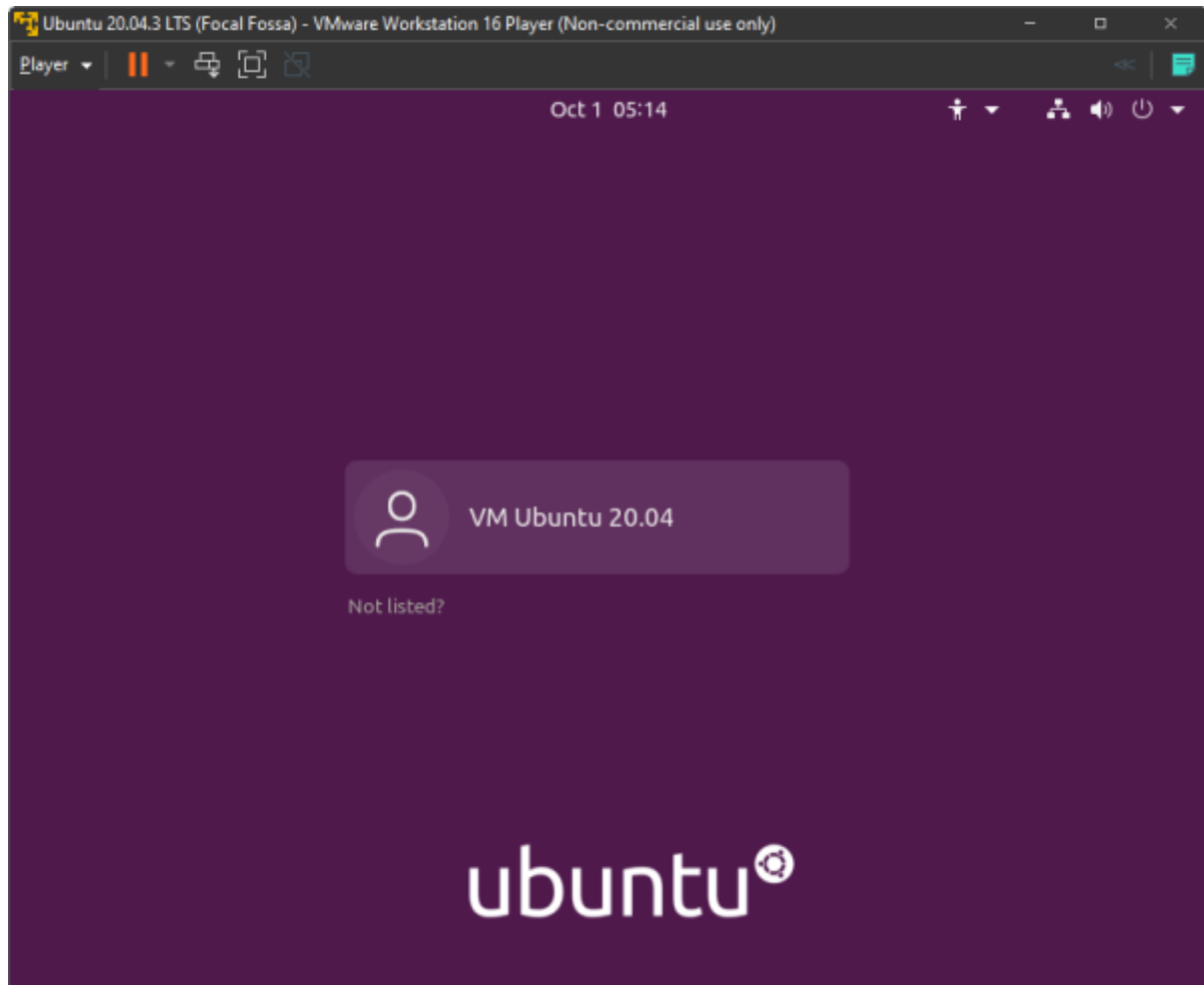
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

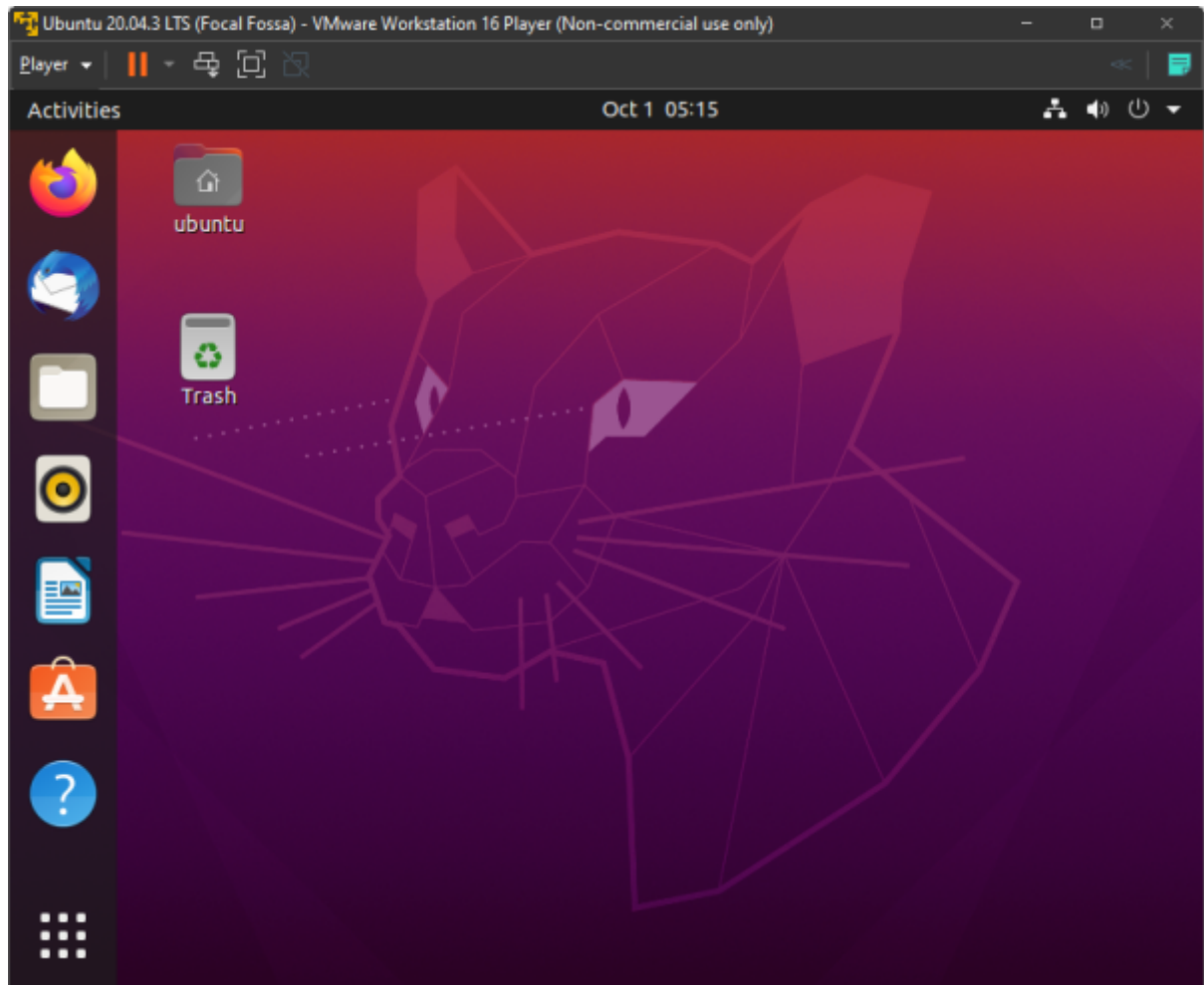
In the next window VMware Workstation Player adjusts the settings based on your computer so there is no need to change anything unless you know exactly what you are doing. Finally press **Finish**.



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.



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