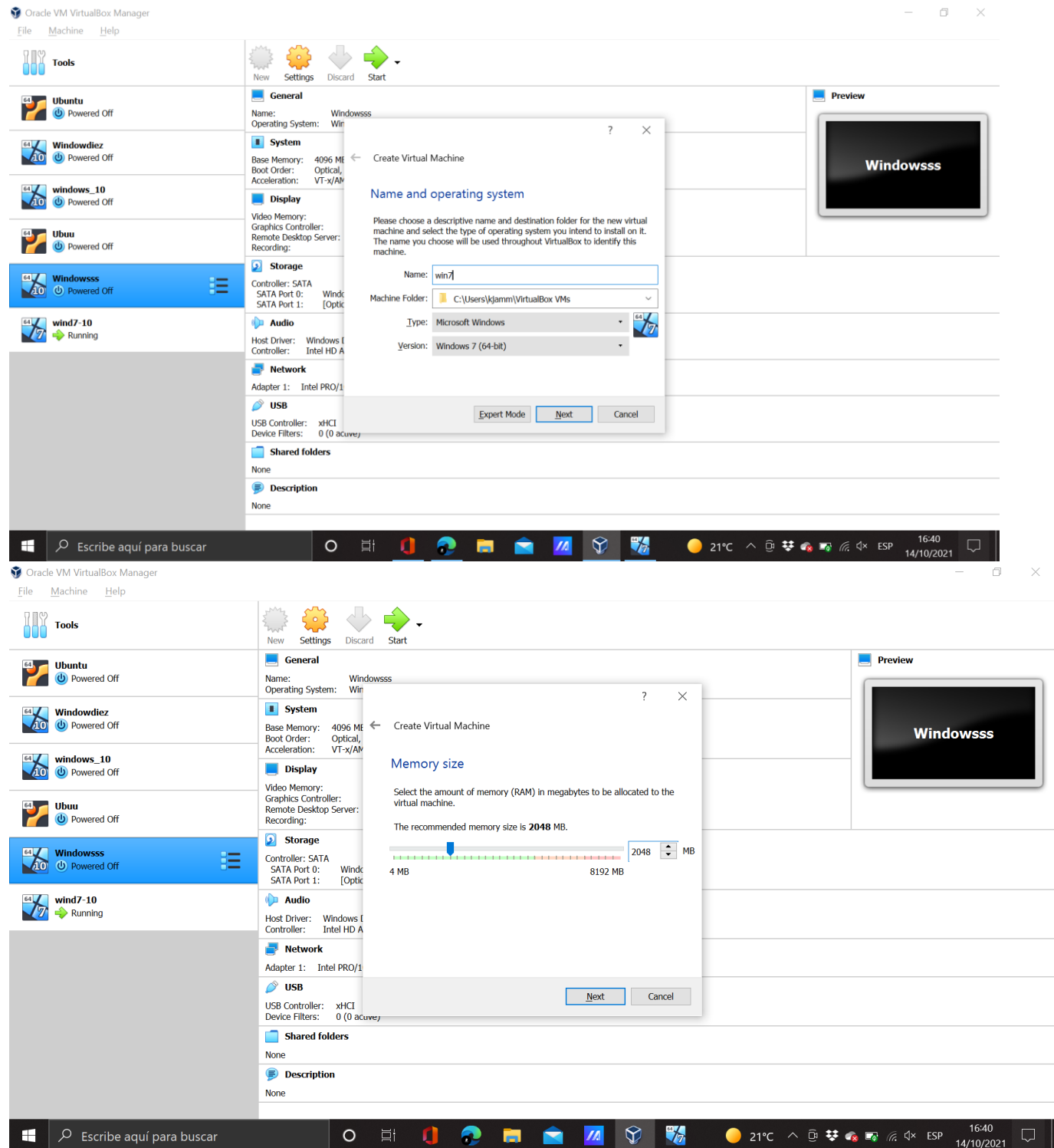# Exercise 1

Create a virtual machine with two operating systems, Windows 7 and Windows 10

We creat a new virtual machine for a Windows 7:

Oracle VM VirtualBox Manager

File   Machine   Help

Tools

New   Settings   Discard   Start

Ubuntu
Powered Off

Windowdiez
Powered Off

windows_10
Powered Off

Ubuu
Powered Off

Windowsss
Powered Off

wind7-10
Running

General
Name: Windowsss
Operating System: Win

System
Base Memory: 4096 ME
Boot Order: Optical,
Acceleration: VT-x/AN

Display
Video Memory:
Graphics Controller:
Remote Desktop Server:
Recording:

Storage
Controller: SATA
SATA Port 0:   Wind
SATA Port 1:   [Optic

Audio
Host Driver: Windows [
Controller: Intel HD A

Network
Adapter 1:   Intel PRO/1

USB
USB Controller: xHCI
Device Filters: 0 (0 active)

Shared folders
None

Description
None

?   ✕

← Create Virtual Machine

Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.

If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard disk is **32,00 GB**.

○ Do not add a virtual hard disk
● Create a virtual hard disk now
○ Use an existing virtual hard disk file

windows_10.vdi (Normal, 50,00 GB)

Create   Cancel

Escribe aquí para buscar
16:41
14/10/2021

Oracle VM VirtualBox Manager

File   Machine   Help

Tools

New   Settings   Discard   Start

Ubuntu
Powered Off

Windowdiez
Powered Off

windows_10
Powered Off

Ubuu
Powered Off

Windowsss
Powered Off

wind7-10
Running

General
Name: Wi
Operating System: Wi

System
Base Memory: 4096 M
Boot Order: Optical,
Acceleration: VT-x/AN

Display
Video Memory:
Graphics Controller:
Remote Desktop Server:
Recording:

Storage
Controller: SATA
SATA Port 0:   Wind
SATA Port 1:   [Opti

Audio
Host Driver: Windows
Controller: Intel HD /

Network
Adapter 1:   Intel PRO/

USB
USB Controller: xHCI
Device Filters: 0 (0 a

Shared folders
None

Description
None

?   ✕

← Create Virtual Hard Disk

File location and size

Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

C:\Users\kjamm\VirtualBox VMs\win7\win7.vdi

Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.
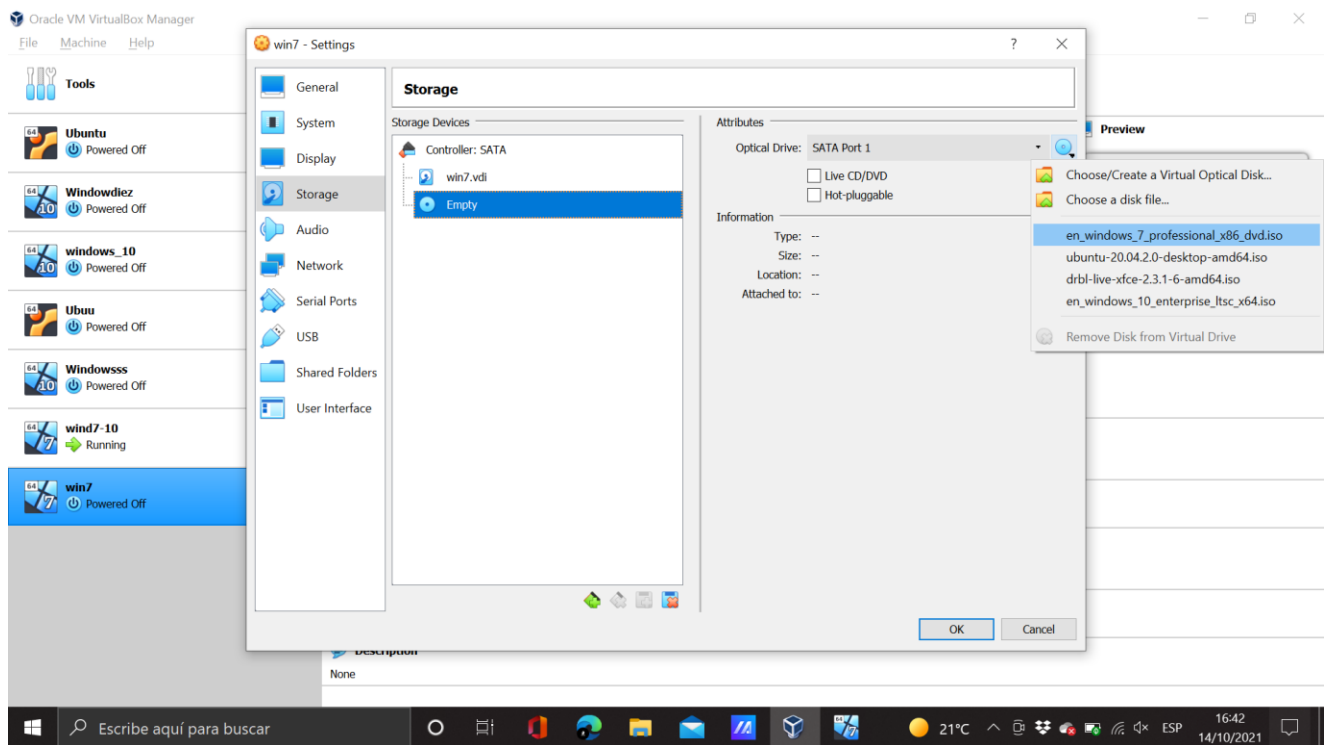
70,00 GB
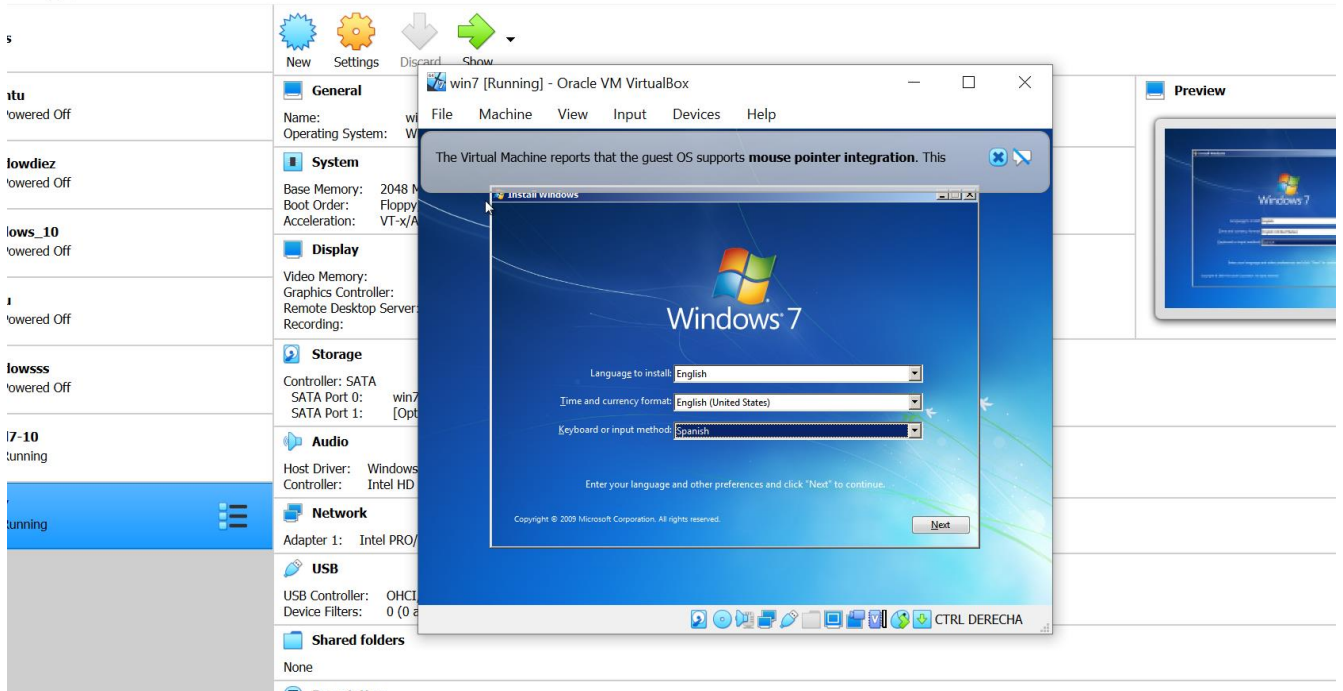
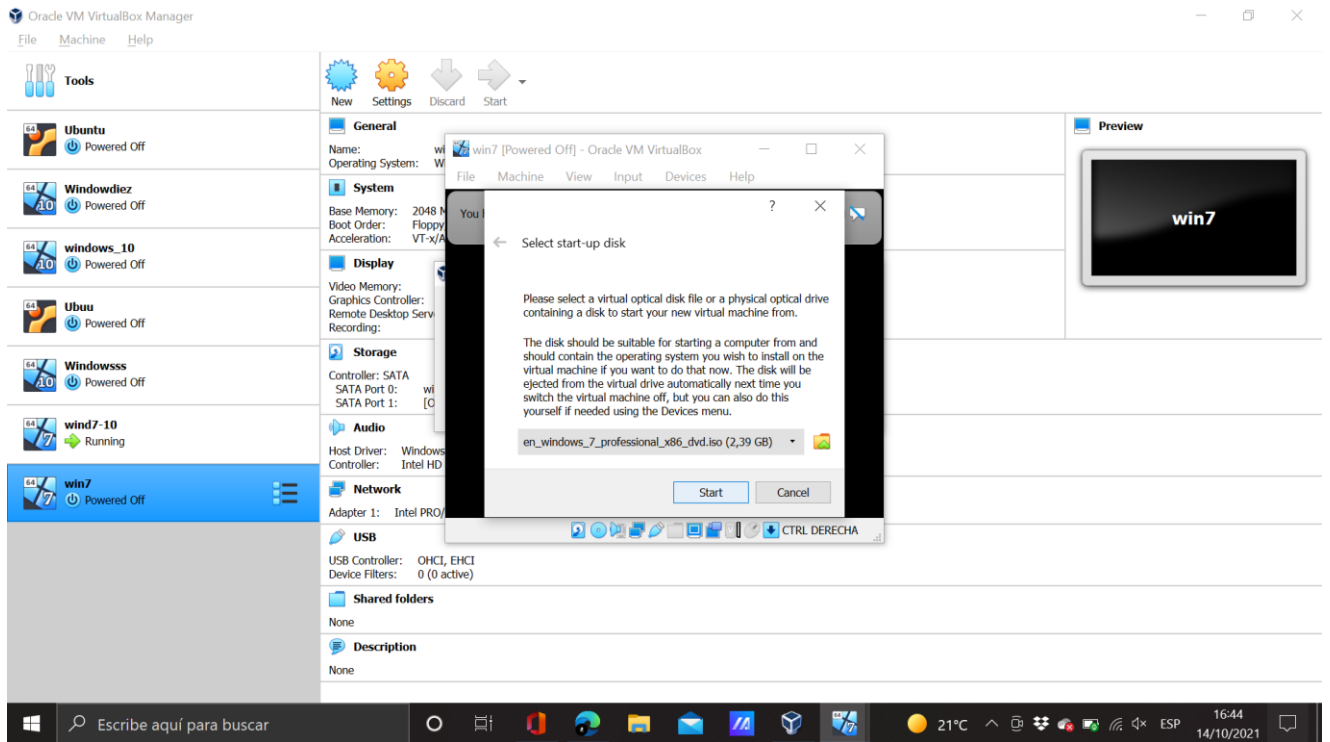4,00 MB   2,00 TB

Create   Cancel

Escribe aquí para buscar
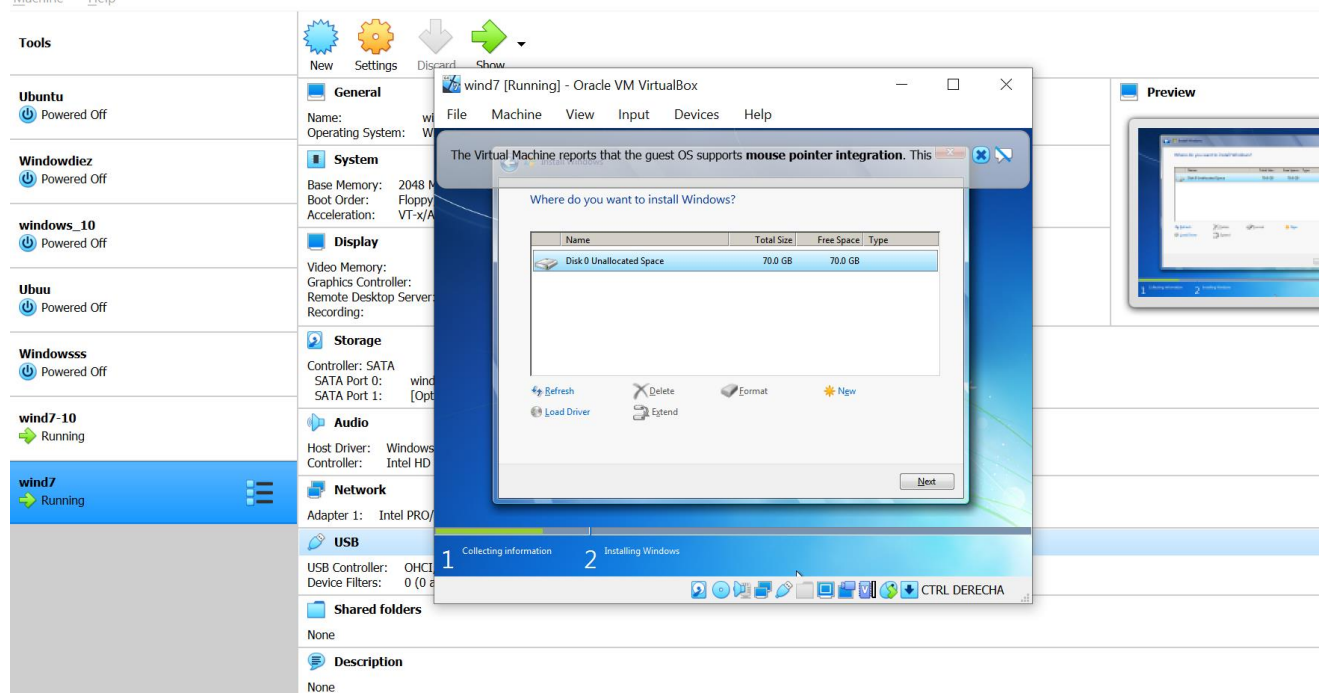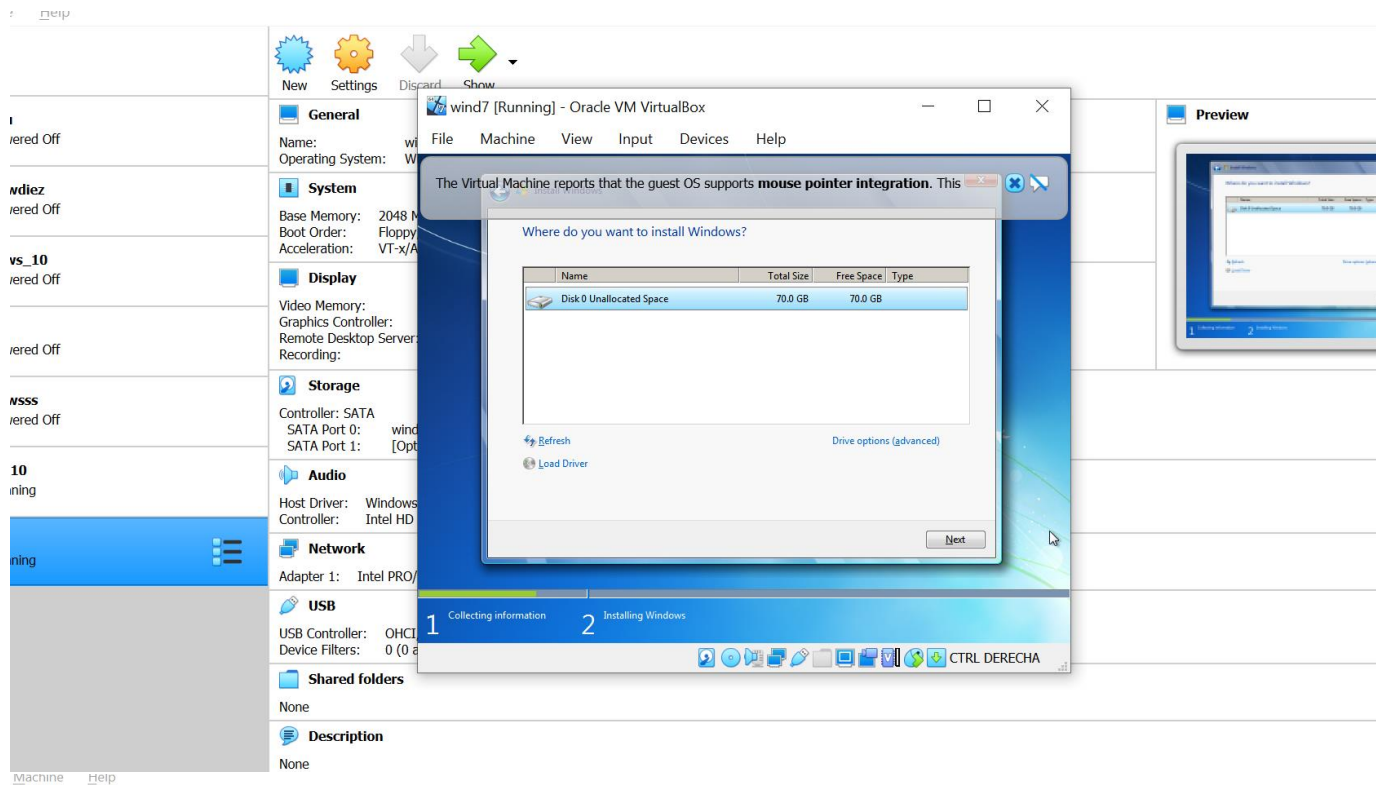16:42
14/10/2021

Now we install Windows 7. following the rule: alwyas install the oldest and then the new one version for 2 OS.

Oracle VM VirtualBox Manager

File   Machine   Help

New   Settings   Discard   Start

Tools

Ubuntu
Powered Off

Windowdiez
Powered Off

windows_10
Powered Off

Ubuu
Powered Off

Windowsss
Powered Off

wind7-10
Running

win7
Powered Off

General
Name:
Operating System: W

System
Base Memory: 2048 M
Boot Order: Floppy
Acceleration: VT-x/A

Display
Video Memory:
Graphics Controller:
Remote Desktop Serv
Recording:

Storage
Controller: SATA
SATA Port 0:   wi
SATA Port 1:   [O

Audio
Host Driver: Windows
Controller: Intel HD

Network
Adapter 1:   Intel PRO/

USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)

Shared folders
None

Description
None

Preview

win7

win7 [Powered Off] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

Select start-up disk

Please select a virtual optical disk file or a physical optical drive containing a disk to start your new virtual machine from.

The disk should be suitable for starting a computer from and should contain the operating system you wish to install on the virtual machine if you want to do that now. The disk will be ejected from the virtual drive automatically next time you switch the virtual machine off, but you can also do this yourself if needed using the Devices menu.

en_windows_7_professional_x86_dvd.iso (2,39 GB)

Start   Cancel

CTRL DERECHA

Escribe aquí para buscar

21°C   ESP   16:44   14/10/2021

New   Settings   Discard   Show

ntu
owered Off

owdiez
owered Off

ows_10
owered Off

owered Off

owsss
owered Off

7-10
Running

Running

General
Name: wi
Operating System: W

System
Base Memory: 2048 M
Boot Order: Floppy
Acceleration: VT-x/A

Display
Video Memory:
Graphics Controller:
Remote Desktop Server
Recording:

Storage
Controller: SATA
SATA Port 0:   win7
SATA Port 1:   [Opt

Audio
Host Driver: Windows
Controller: Intel HD

Network
Adapter 1:   Intel PRO/

USB
USB Controller: OHCI
Device Filters: 0 (0 a

Shared folders
None

Preview

win7 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This

Install Windows

Windows 7

Language to install: English
Time and currency format: English (United States)
Keyboard or input method: Spanish

Enter your language and other preferences and click "Next" to continue.

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Next

CTRL DERECHA

wind7 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This

Where do you want to install Windows?

Name	Total Size	Free Space	Type
Disk 0 Unallocated Space	70.0 GB	70.0 GB	

Refresh   Drive options (advanced)
Load Driver

Next

1 Collecting information   2 Installing Windows

CTRL DERECHA

Preview

Tools

Ubuntu
⏻ Powered Off

Windowdiez
⏻ Powered Off

windows_10
⏻ Powered Off

Ubuu
⏻ Powered Off

Windowsss
⏻ Powered Off

wind7-10
➡ Running

wind7
➡ Running

New Settings Discard Show

General
Name: wi
Operating System: W

System
Base Memory: 2048 M
Boot Order: Floppy
Acceleration: VT-x/A

Display
Video Memory:
Graphics Controller:
Remote Desktop Server
Recording:

Storage
Controller: SATA
SATA Port 0: wind
SATA Port 1: [Opt

Audio
Host Driver: Windows
Controller: Intel HD

Network
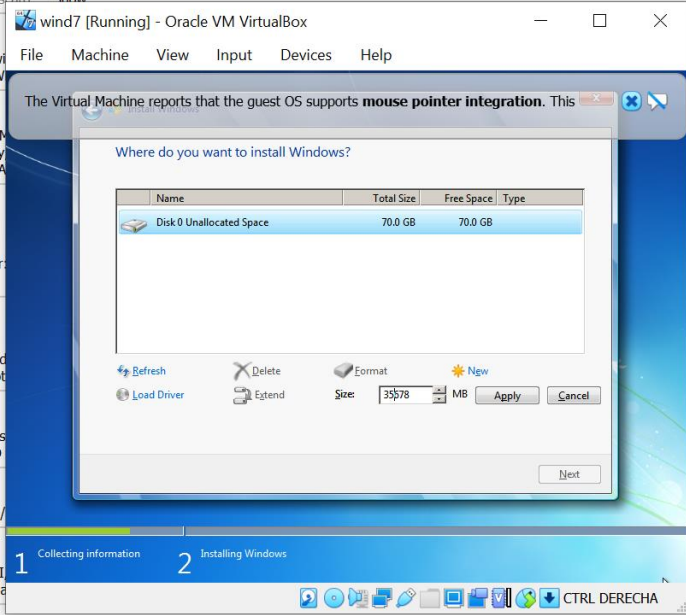Adapter 1: Intel PRO/

USB
USB Controller: OHCI
Device Filters: 0 (0 a

Shared folders
None

Description
None

Machine   Help

wind7 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This

Where do you want to install Windows?

Name	Total Size	Free Space	Type
Disk 0 Unallocated Space	70.0 GB	70.0 GB	

Refresh   Delete   Format   New
Load Driver   Extend

Next

1 Collecting information   2 Installing Windows

CTRL DERECHA

Preview

VM VirtualBox Manager

Machine   Help

Tools

Ubuntu
⏻ Powered Off

Windowdiez
⏻ Powered Off

windows_10
⏻ Powered Off

Ubuu
⏻ Powered Off

Windowsss
⏻ Powered Off

wind7-10
➡ Running

wind7
➡ Running

New   Settings   Discard   Show

🖥 General
Name:
Operating System: W

💻 System
Base Memory: 2048 M
Boot Order: Floppy
Acceleration: VT-x/A

🖥 Display
Video Memory:
Graphics Controller:
Remote Desktop Server:
Recording:

💾 Storage
Controller: SATA
SATA Port 0:   wind
SATA Port 1:   [Opt

🔊 Audio
Host Driver: Windows
Controller: Intel HD

🌐 Network
Adapter 1:   Intel PRO/

USB
USB Controller: OHCI
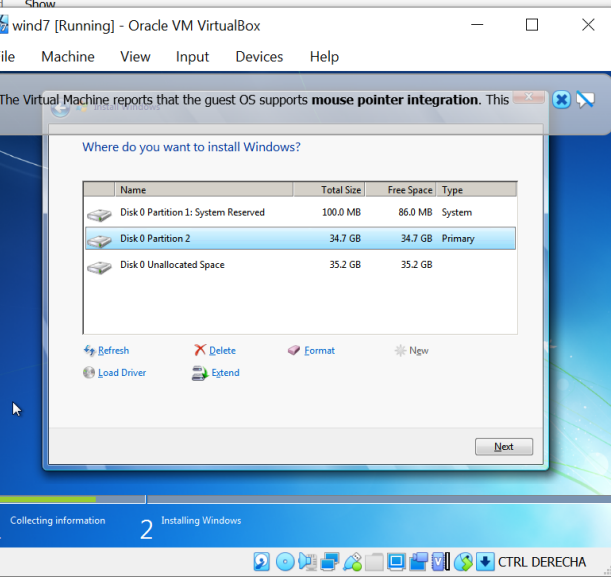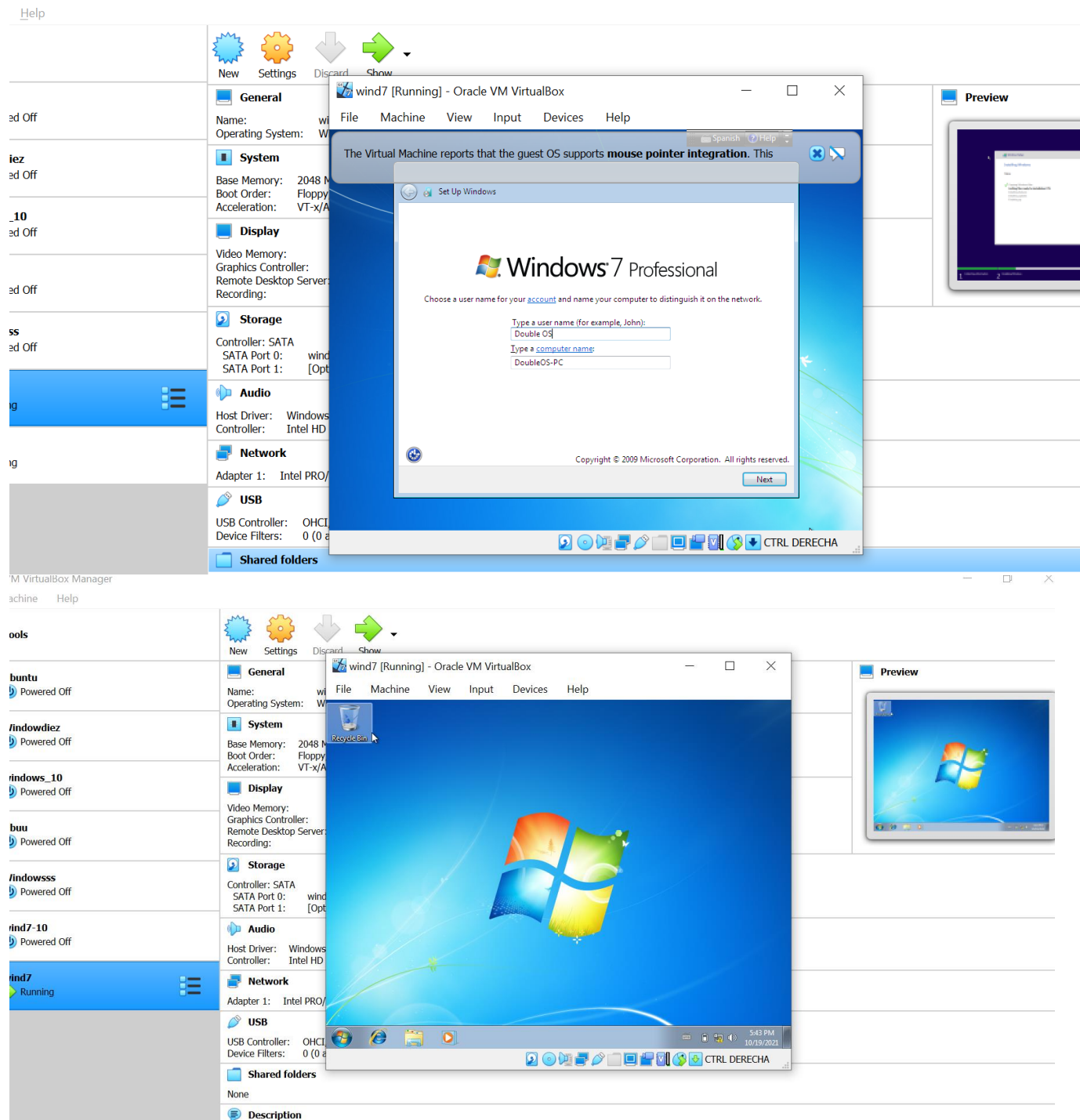Device Filters: 0 (0 a

📁 Shared folders
None

📄 Description

Preview

---

wind7 [Running] - Oracle VM VirtualBox   —   ☐   ✕

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This

Where do you want to install Windows?

Name	Total Size	Free Space	Type
Disk 0 Unallocated Space	70.0 GB	70.0 GB	

🔄 Refresh   ✕ Delete   📀 Format   ✳ New
💿 Load Driver   📐 Extend   Size: 35578 MB   Apply   Cancel

Next

1 Collecting information   2 Installing Windows

CTRL DERECHA

Machine   Help

Tools

Ubuntu
⏻ Powered Off

Windowdiez
⏻ Powered Off

windows_10
⏻ Powered Off

Ubuu
⏻ Powered Off

Windowsss
⏻ Powered Off

wind7-10
➡ Running

wind7
➡ Running

New   Settings   Discard   Show

🖥 General
Name:
Operating System: W

💻 System
Base Memory: 2048 M
Boot Order: Floppy
Acceleration: VT-x/A

🖥 Display
Video Memory:
Graphics Controller:
Remote Desktop Server:
Recording:

💾 Storage
Controller: SATA
SATA Port 0:   wind
SATA Port 1:   [Opt

🔊 Audio
Host Driver: Windows
Controller: Intel HD

🌐 Network
Adapter 1:   Intel PRO/

USB
USB Controller: OHCI
Device Filters: 0 (0 a

📁 Shared folders
None

📄 Description
None

Preview

---

wind7 [Running] - Oracle VM VirtualBox   —   ☐   ✕

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This

Where do you want to install Windows?

Name	Total Size	Free Space	Type
Disk 0 Partition 1: System Reserved	100.0 MB	86.0 MB	System
Disk 0 Partition 2	34.7 GB	34.7 GB	Primary
Disk 0 Unallocated Space	35.2 GB	35.2 GB	

🔄 Refresh   ✕ Delete   📀 Format   ✳ New
💿 Load Driver   📐 Extend

Next

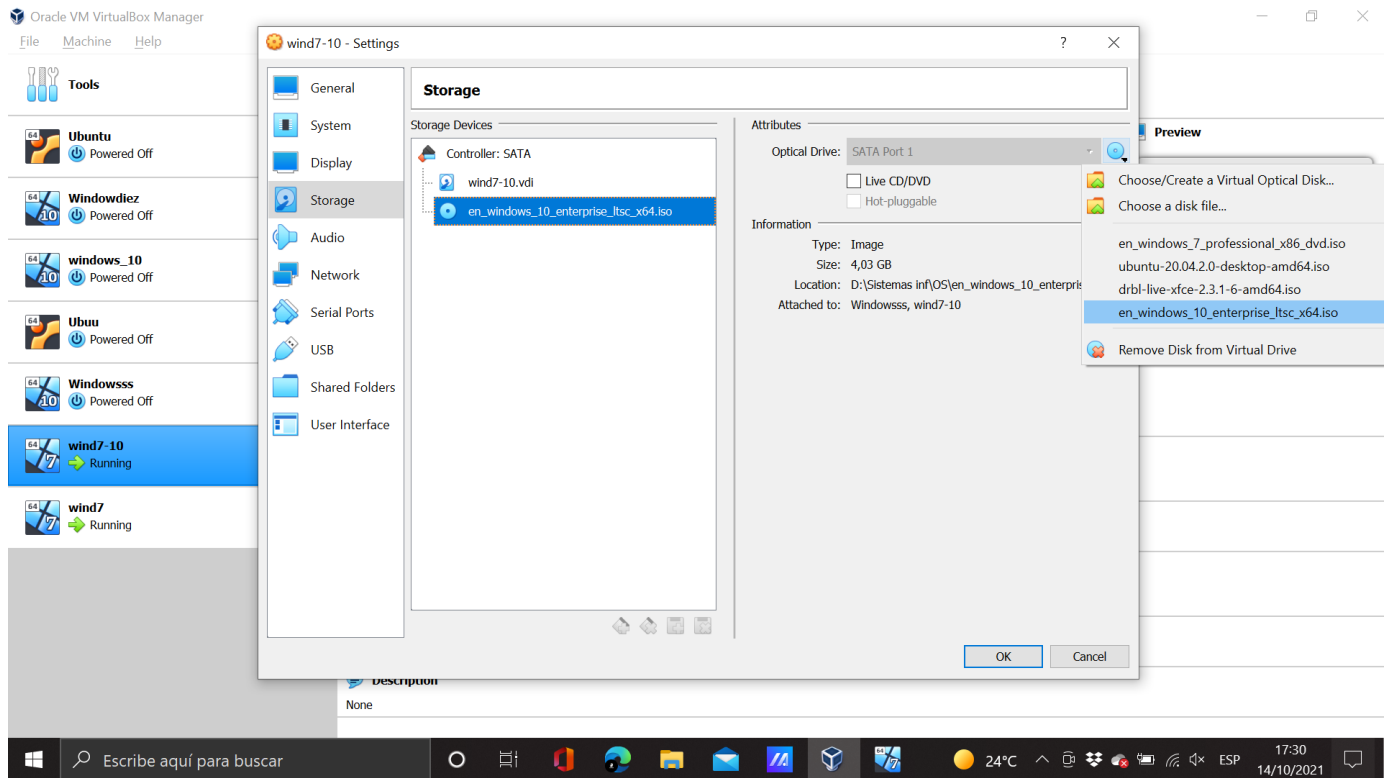1 Collecting information   2 Installing Windows

CTRL DERECHA

Now we select Windows 10 on settings' storage and we install it. Remeber to click in less 5 seconds the first time your start the virtual machine to get the Windows 10 install.

Top Window

Tools

New   Settings

Ubuntu
⏻ Powered Off

Windowdiez
⏻ Powered Off

windows_10
⏻ Powered Off

Ubuu
⏻ Powered Off

Windowsss
⏻ Powered Off

wind7-10
➡ Running

wind7
➡ Running

General
Name:
Operating System:

System
Base Memory: 2048
Boot Order: Flopp
Acceleration: VT-x/

Display
Video Memory:
Graphics Controller:
Remote Desktop Serve
Recording:

Storage
Controller: SATA
SATA Port 0:   win
SATA Port 1:   [Op

Audio
Host Driver: Window
Controller: Intel HD
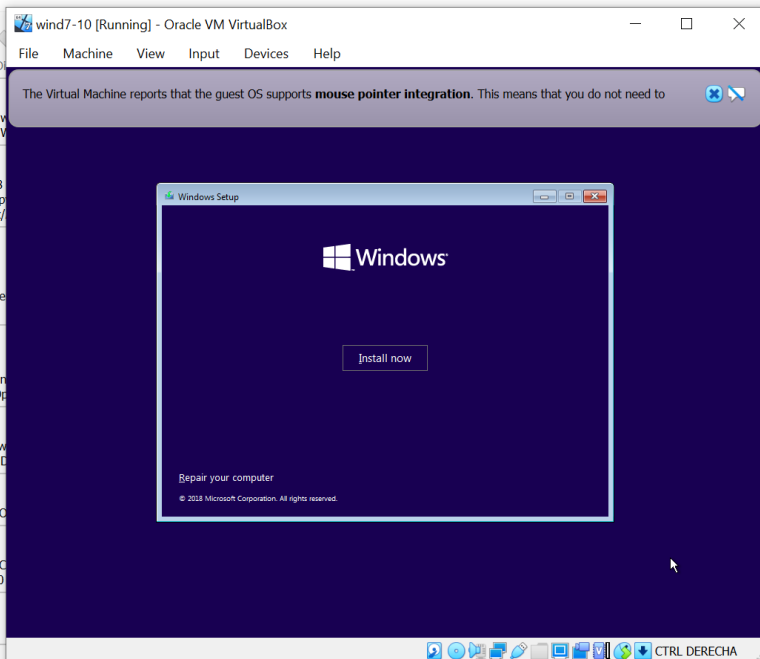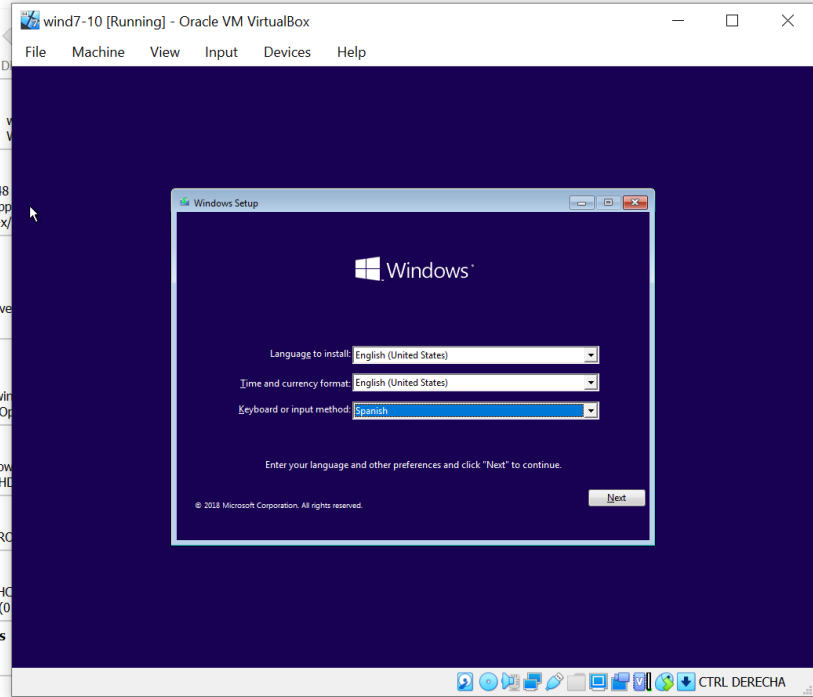
Network
Adapter 1:   Intel PRO

USB
USB Controller: OHC
Device Filters: 0 (0

Shared folders
None

Description

VirtualBox Window — wind7-10 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

Windows Setup

Windows

Language to install: English (United States)
Time and currency format: English (United States)
Keyboard or input method: Spanish

Enter your language and other preferences and click "Next" to continue.

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Next

CTRL DERECHA

Bottom Window

Tools

New   Settings

Ubuntu
⏻ Powered Off

Windowdiez
⏻ Powered Off

windows_10
⏻ Powered Off

Ubuu
⏻ Powered Off

Windowsss
⏻ Powered Off

wind7-10
➡ Running

wind7
➡ Running

General
Name:
Operating System:

System
Base Memory: 2048
Boot Order: Flopp
Acceleration: VT-x/

Display
Video Memory:
Graphics Controller:
Remote Desktop Serve
Recording:

Storage
Controller: SATA
SATA Port 0:   win
SATA Port 1:   [Op

Audio
Host Driver: Window
Controller: Intel HD

Network
Adapter 1:   Intel PRO

USB
USB Controller: OHC
Device Filters: 0 (0

Shared folders
None

Description

wind7-10 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This means that you do not need to

Windows Setup

Windows

Install now

Repair your computer

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CTRL DERECHA

Machine   Help

Tools

New   Settings

Ubuntu
⏻ Powered Off

Windowdiez
⏻ Powered Off

windows_10
⏻ Powered Off

Ubuu
⏻ Powered Off

Windowsss
⏻ Powered Off

wind7-10
➡ Running

wind7
➡ Running

🖥 **General**
Name:
Operating System: W

🖥 **System**
Base Memory: 2048
Boot Order: Flopp
Acceleration: VT-x/

🖥 **Display**
Video Memory:
Graphics Controller:
Remote Desktop Serve
Recording:

💾 **Storage**
Controller: SATA
SATA Port 0:   win
SATA Port 1:   [Op

🔊 **Audio**
Host Driver: Window
Controller: Intel HD

🌐 **Network**
Adapter 1:   Intel PRO

USB
USB Controller: OHC
Device Filters: 0 (0

📁 **Shared folders**
None

📄 **Description**

---

wind7-10 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This means that you do not need to

Windows Setup

Where do you want to install Windows?

Name	Total size	Free space	Type
💿 Drive 0 Partition 1: System Reserved	100.0 MB	69.0 MB	System
💿 Drive 0 Partition 2	69.9 GB	62.8 GB	Primary

🔄 Refresh   ✖ Delete   💿 Format   ✳ New
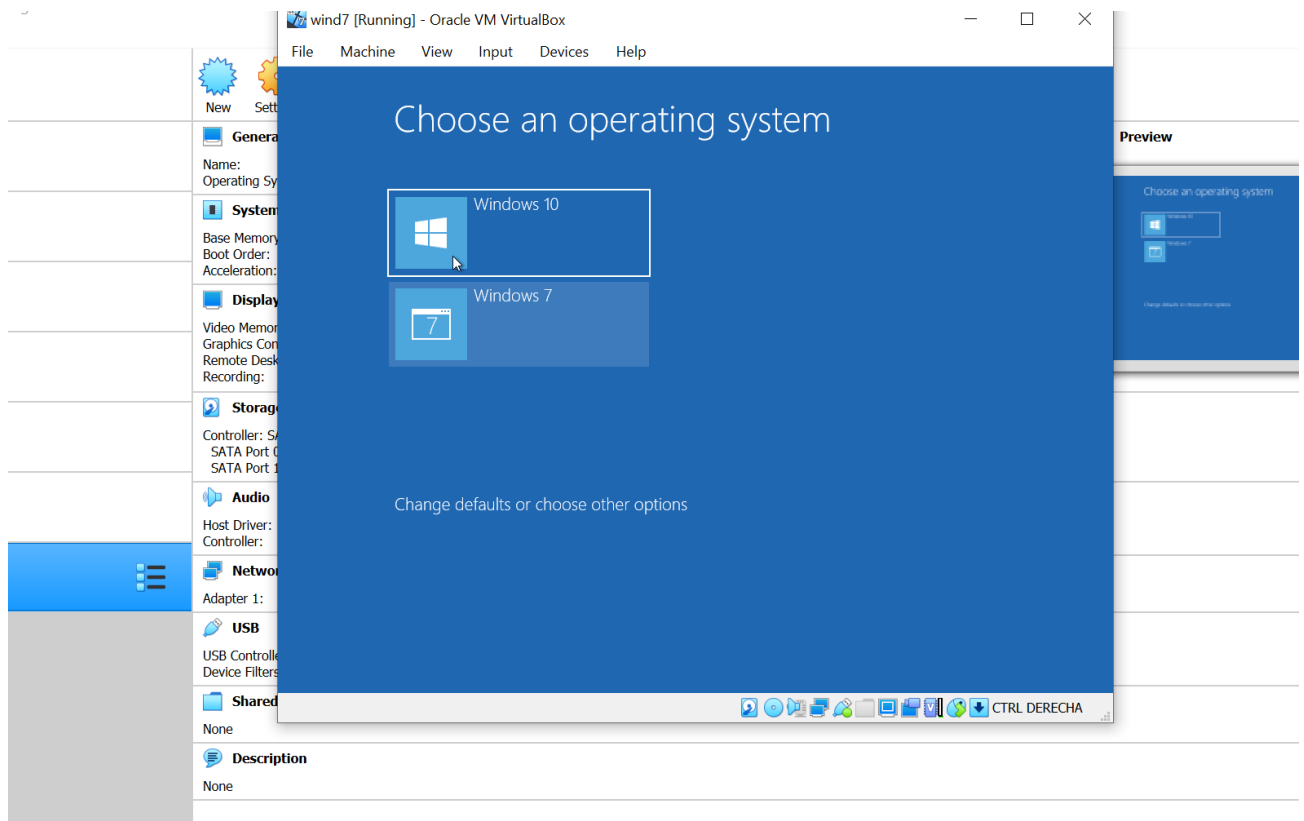💿 Load driver   💿 Extend

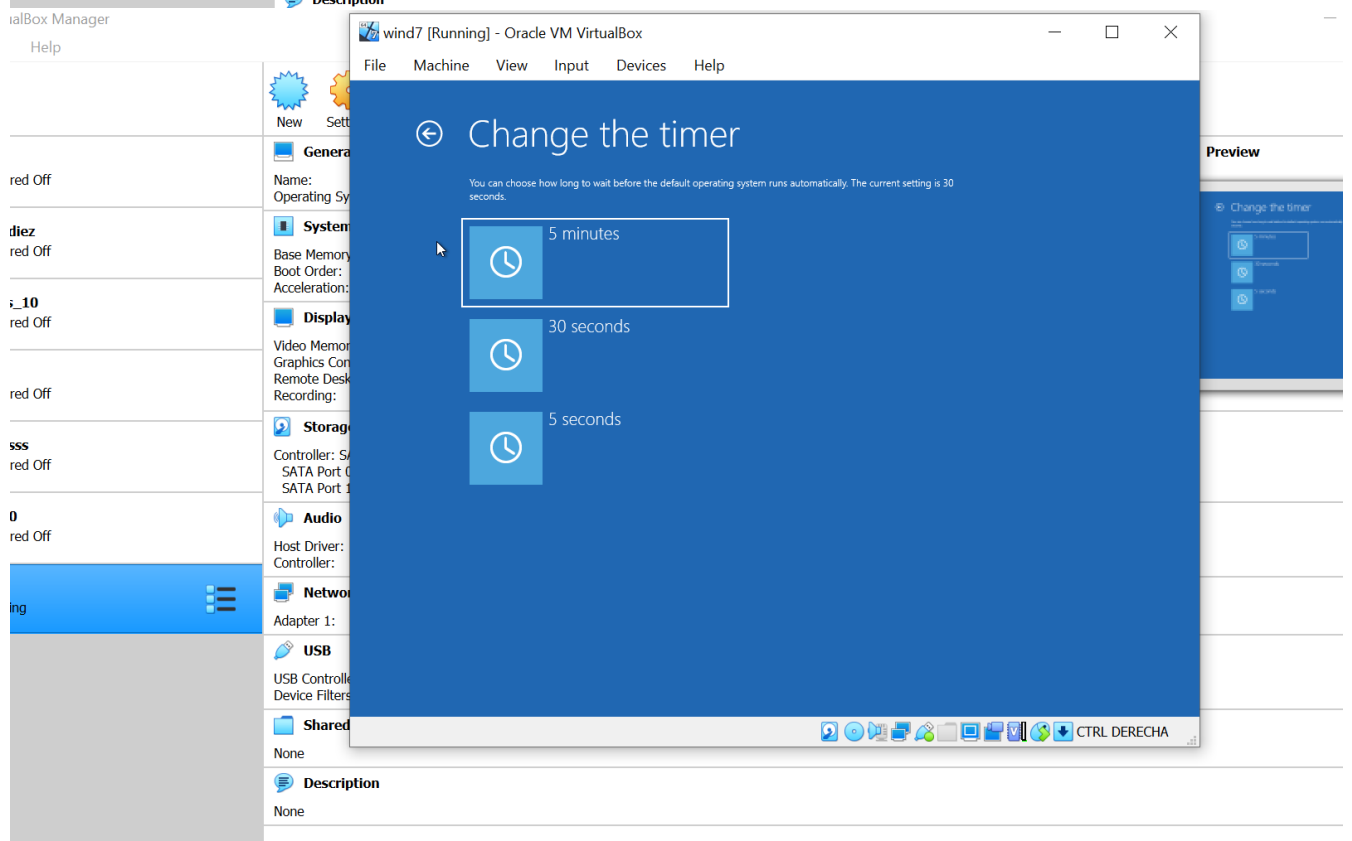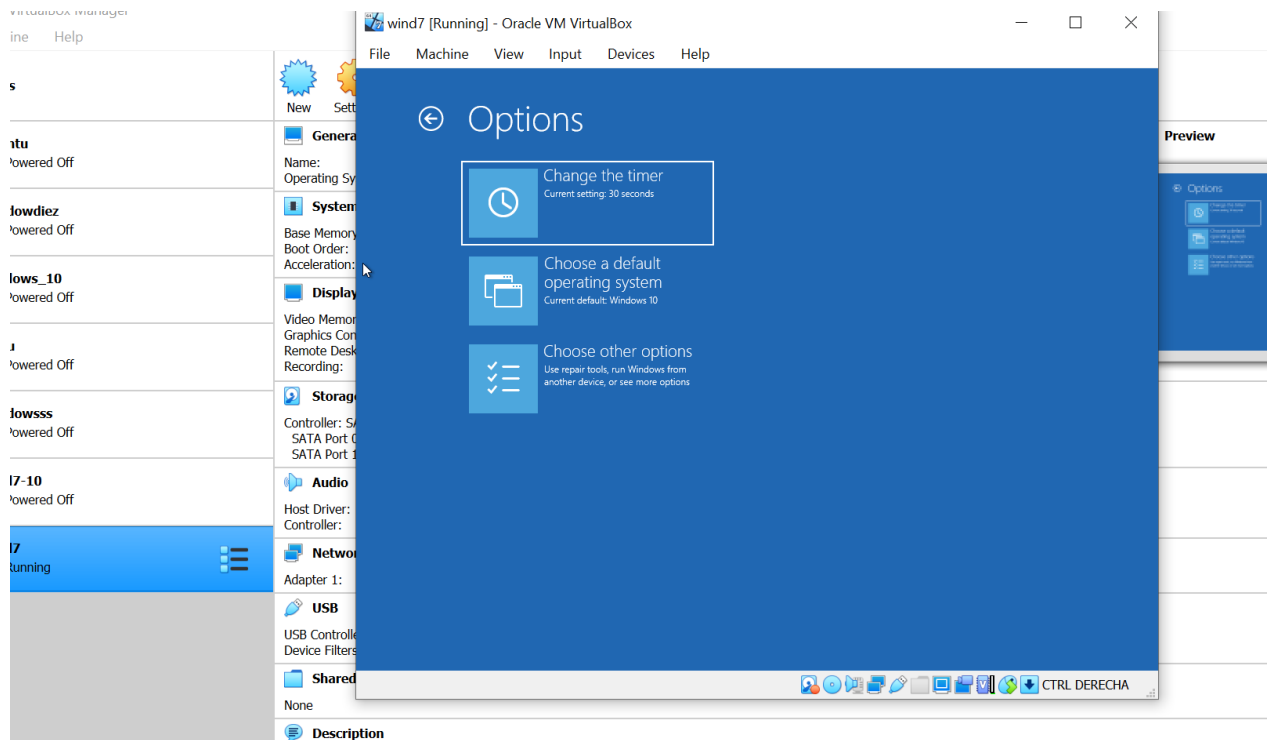Next

1 Collecting information   2 Installing Windows

CTRL DERECHA
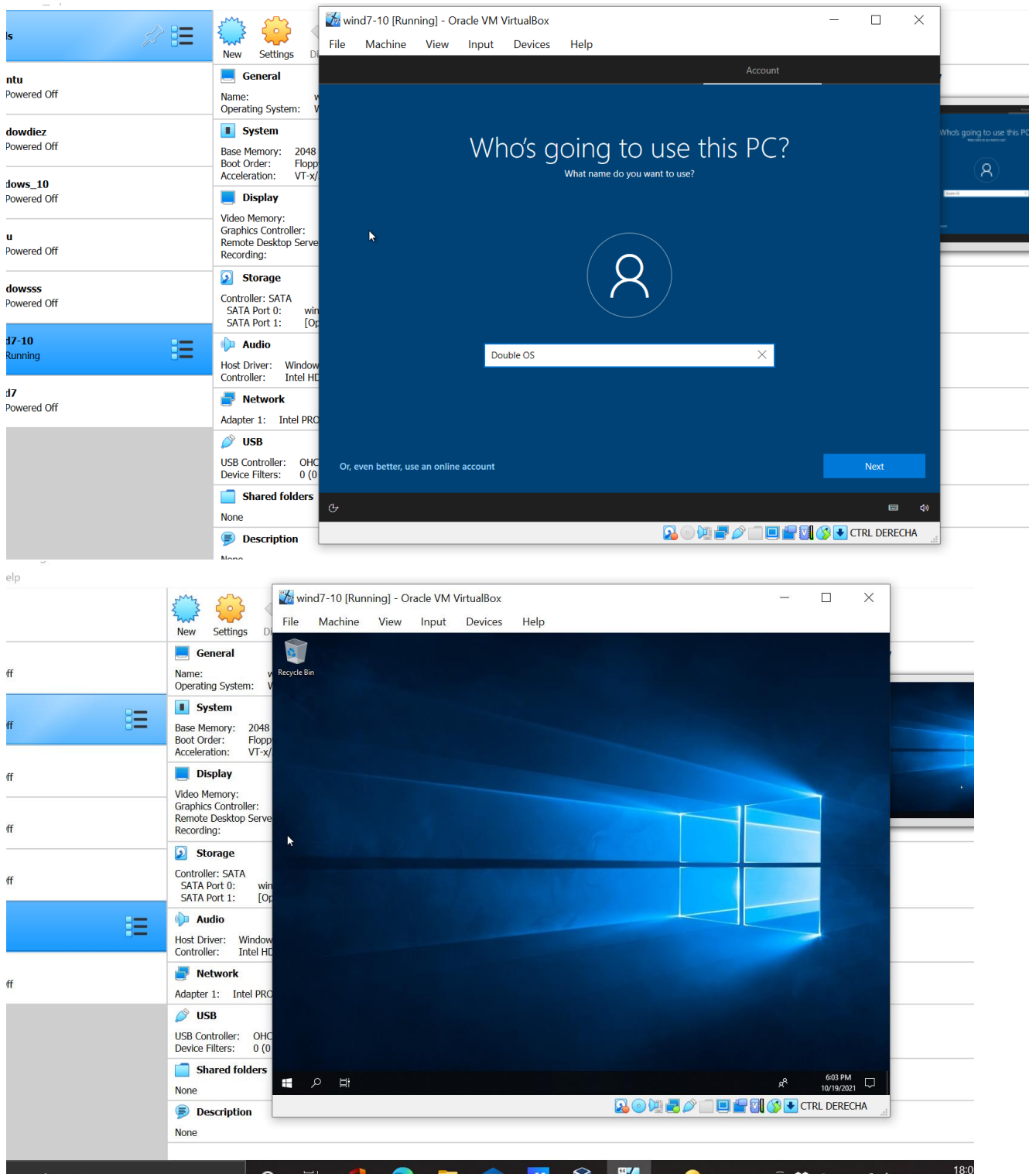
Now we have two OS and the screen is going be like:

Finally we need to choose Windows 7 as the default operating system, which will boot after 5 seconds unless Windows 10 is manually selected using Change deafults or choos other opcions item above.

Now

VM VirtualBox Manager

Tools

Ubuntu
Powered Off

Windowdiez
Powered Off

windows_10
Powered Off

Ubuu
Powered Off

Windowsss
Powered Off

wind7-10
Powered Off

wind7
Running

---

wind7 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

New   Sett

General

Name:
Operating Sy

System

Base Memory
Boot Order:
Acceleration:

Display

Video Memor
Graphics Con
Remote Desk
Recording:

Storage

Controller: S/
SATA Port (
SATA Port 1

Audio

Host Driver:
Controller:

Networ

Adapter 1:

USB

USB Controlle
Device Filters

Shared

None

Description

← Options

Change the timer
Current setting: 5 seconds

Choose a default
operating system
Current default: Windows 10

Choose other options
Use repair tools, run Windows from
another device, or see more options

CTRL DERECHA

Preview

Options

---

wind7 [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

New   Sett

General

Name:
Operating Sy

System

Base Memory
Boot Order:
Acceleration:

Display

Video Memor
Graphics Con
Remote Desk
Recording:

Storage

Controller: S/
SATA Port (
SATA Port 1

Audio

Host Driver:
Controller:

Networ

Adapter 1:

USB

USB Controlle
Device Filters

Shared

None

Description

None

← Choose a default operating system

The current default is Windows 10.

Windows 10

Windows 7

CTRL DERECHA

Preview

Choose a default operating system