

Informatika, 2. maila

Windows Instalazioa

Instalazioa egiteko beharrezko materiala

Beharrezko materiala:

- VirtualBox:

<https://www.virtualbox.org/wiki/Downloads>

- Window Client (.iso):

<https://www.microsoft.com/es-es/evalcenter/download-windows-11-enterprise>

- Windows Server (.iso):

<https://www.microsoft.com/es-es/evalcenter/download-windows-server-2025>

Extra (ez beharrezkoa, arazoren bat sortzen bada bakarrik):

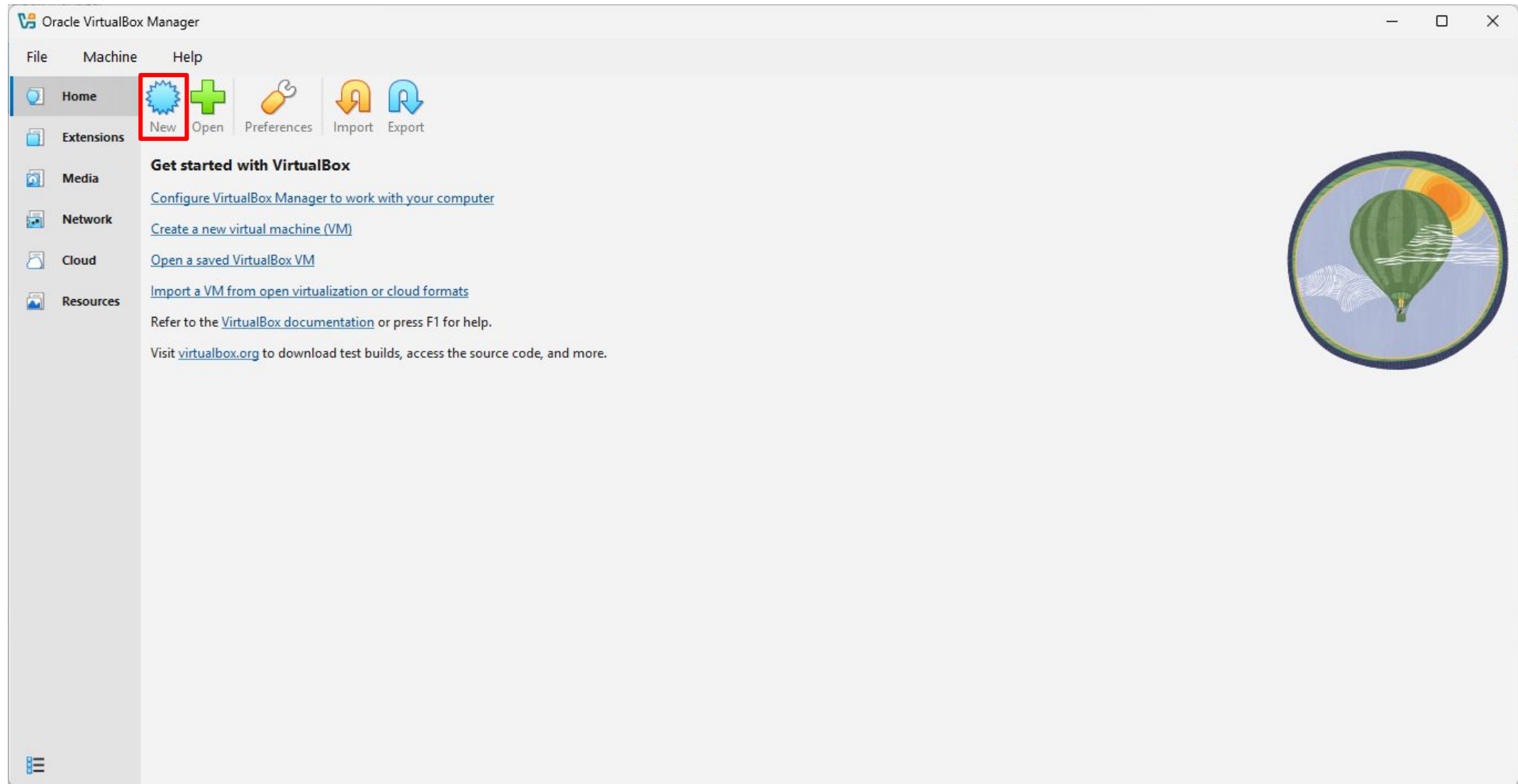
- VirtualBox Guest Additions (.iso)

<https://download.virtualbox.org/virtualbox>

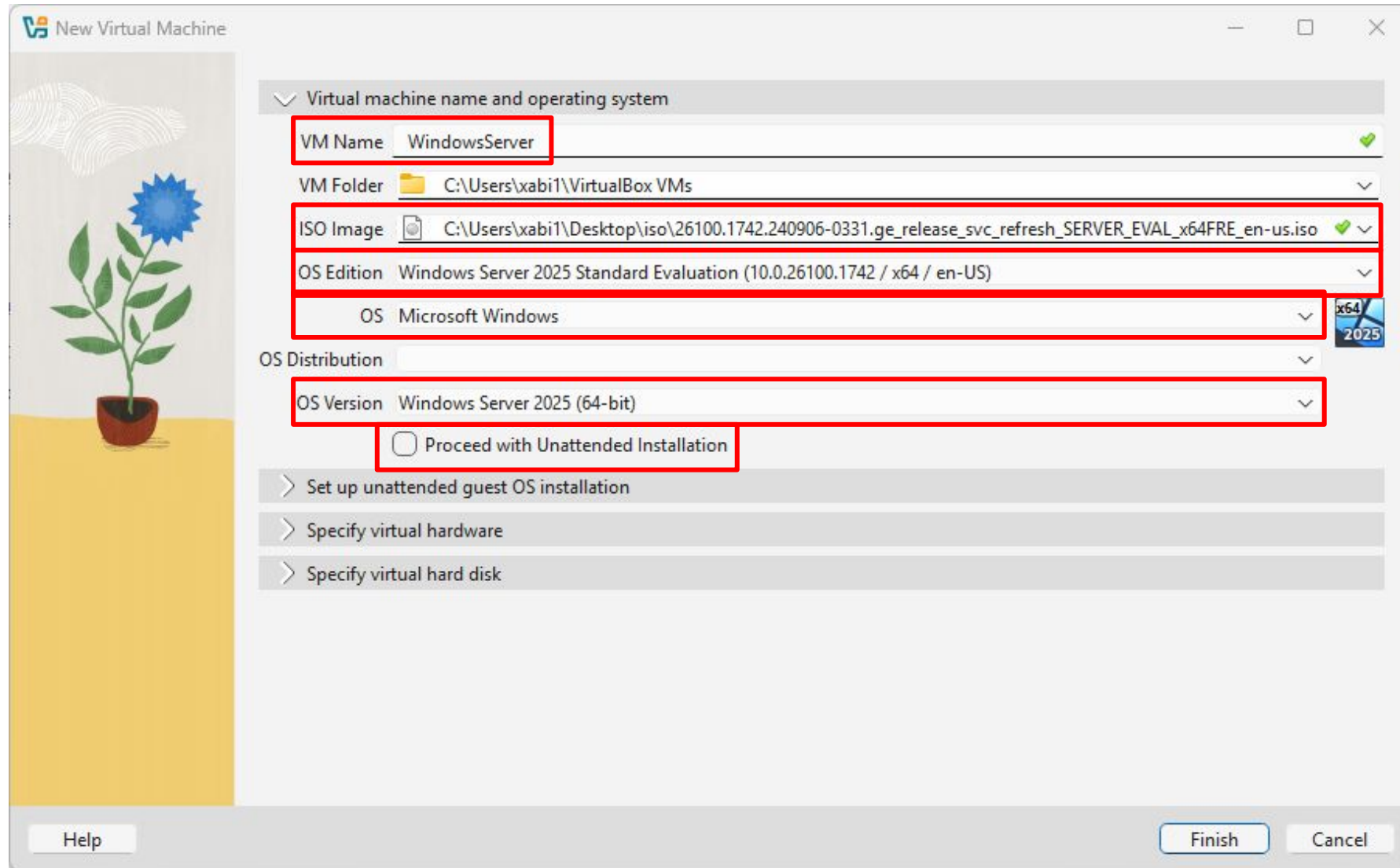
1

Windows Server instalazioa

Windows Server Instalazioa

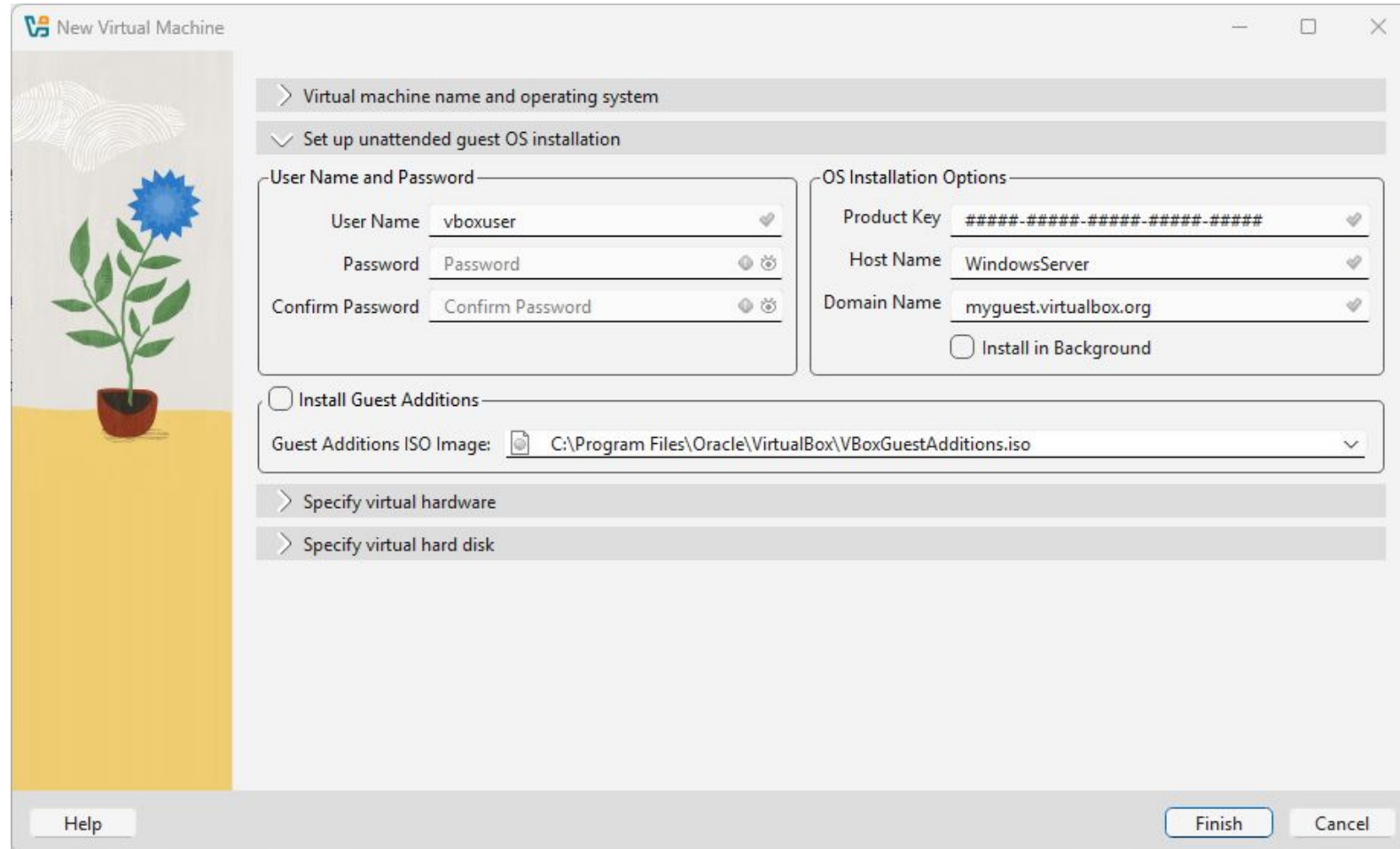


Windows Server Instalazioa



Windows Server Instalazioa

Hemen ez egin ezer



New Virtual Machine

> Virtual machine name and operating system

✓ Set up unattended guest OS installation

User Name and Password—

User Name

Password

Confirm Password

OS Installation Options—

Product Key

Host Name

Domain Name

☐ Install in Background

☐ Install Guest Additions—

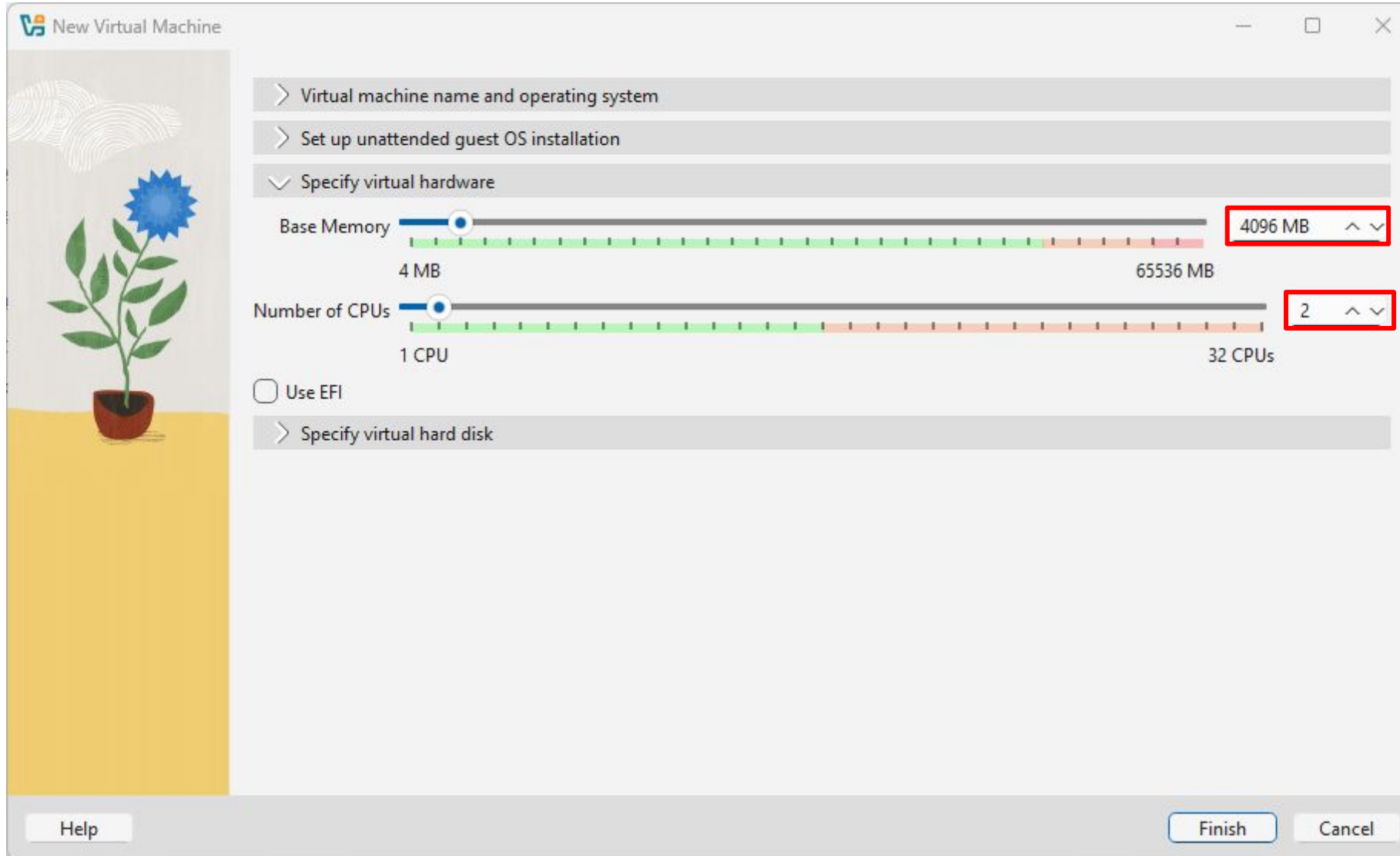
Guest Additions ISO Image:

> Specify virtual hardware

> Specify virtual hard disk

Help Finish Cancel

Windows Server Instalazioa




New Virtual Machine


> Virtual machine name and operating system

> Set up unattended guest OS installation

▼ Specify virtual hardware

Base Memory  4096 MB ^ v

4 MB 65536 MB

Number of CPUs  2 ^ v

1 CPU 32 CPUs

☐ Use EFI

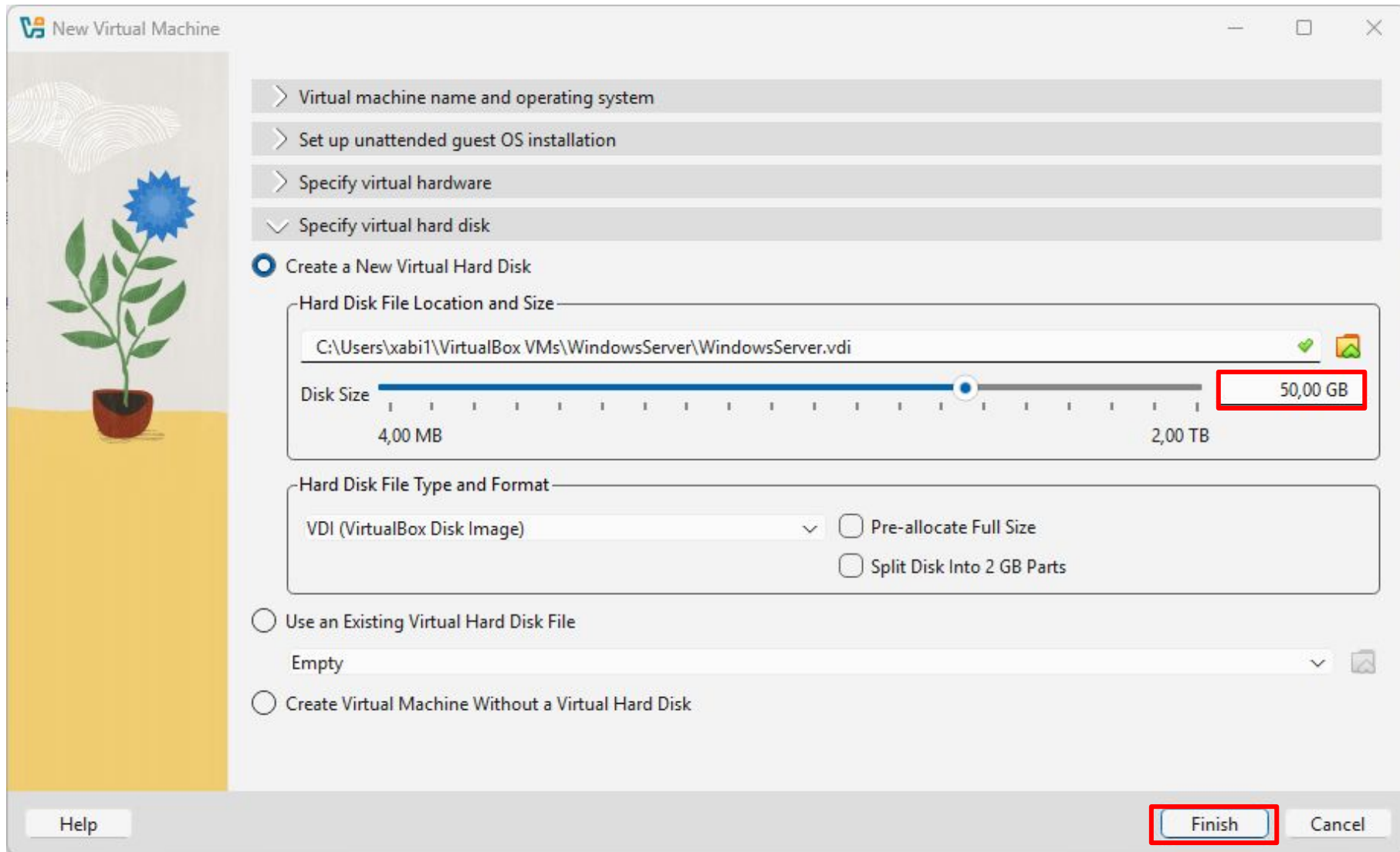
> Specify virtual hard disk

Help Finish Cancel

RAM: 4096MB

Processors: 2

Windows Server Instalazioa



The image shows the 'New Virtual Machine' dialog box in Oracle VM VirtualBox. The 'Specify virtual hard disk' step is active, showing options to create a new virtual hard disk. The 'Hard Disk File Location and Size' section shows the file path 'C:\Users\xabi1\VirtualBox VMs\WindowsServer\WindowsServer.vdi' and a disk size of 50,00 GB. The 'Hard Disk File Type and Format' section shows 'VDI (VirtualBox Disk Image)' selected, with 'Pre-allocate Full Size' and 'Split Disk Into 2 GB Parts' options. The 'Finish' button is highlighted with a red box.

New Virtual Machine

- > Virtual machine name and operating system
- > Set up unattended guest OS installation
- > Specify virtual hardware
- > Specify virtual hard disk

☒ Create a New Virtual Hard Disk

Hard Disk File Location and Size

C:\Users\xabi1\VirtualBox VMs\WindowsServer\WindowsServer.vdi

Disk Size: 4,00 MB to 2,00 TB (50,00 GB)

Hard Disk File Type and Format

VDI (VirtualBox Disk Image)

☐ Pre-allocate Full Size

☐ Split Disk Into 2 GB Parts

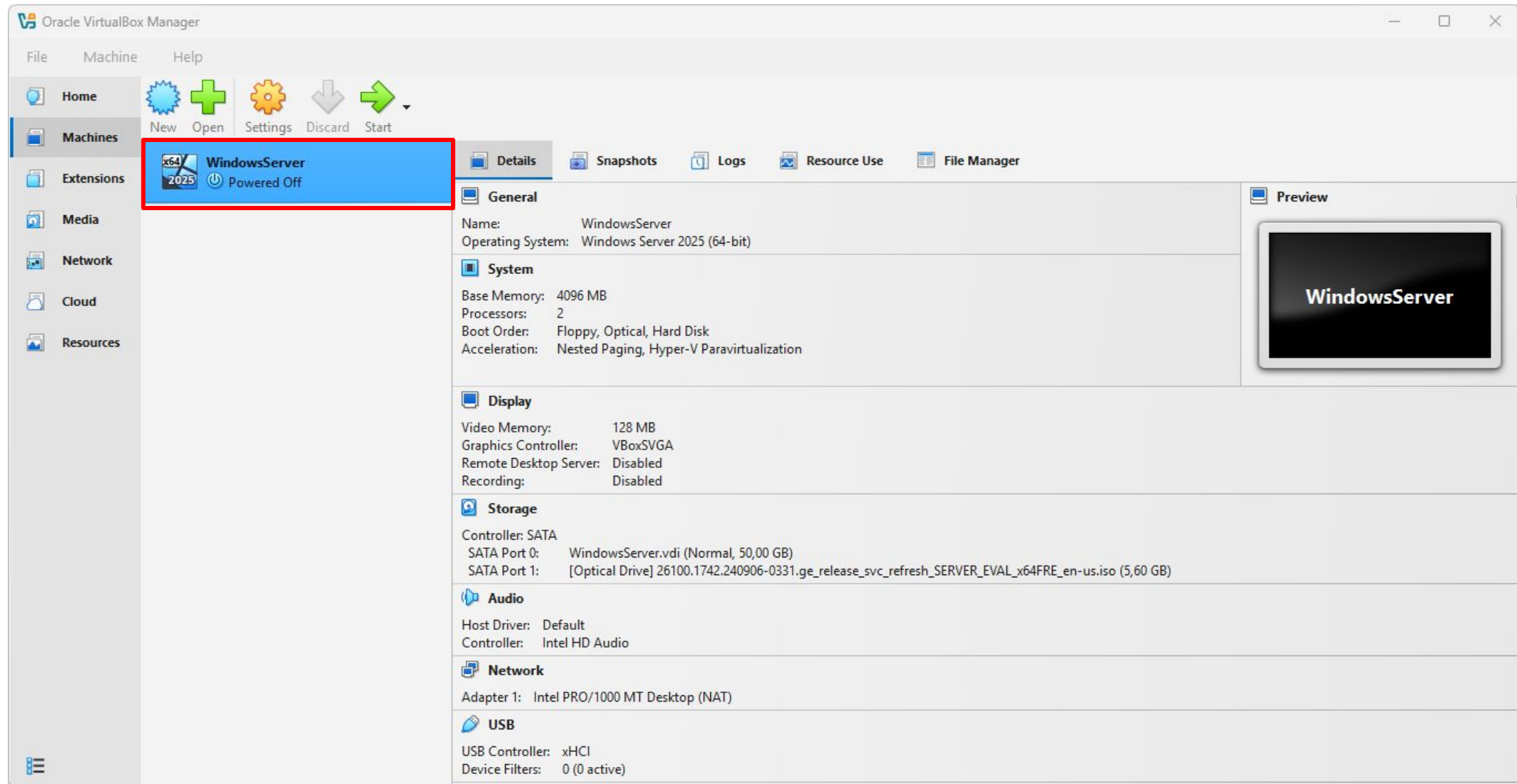
☐ Use an Existing Virtual Hard Disk File

Empty

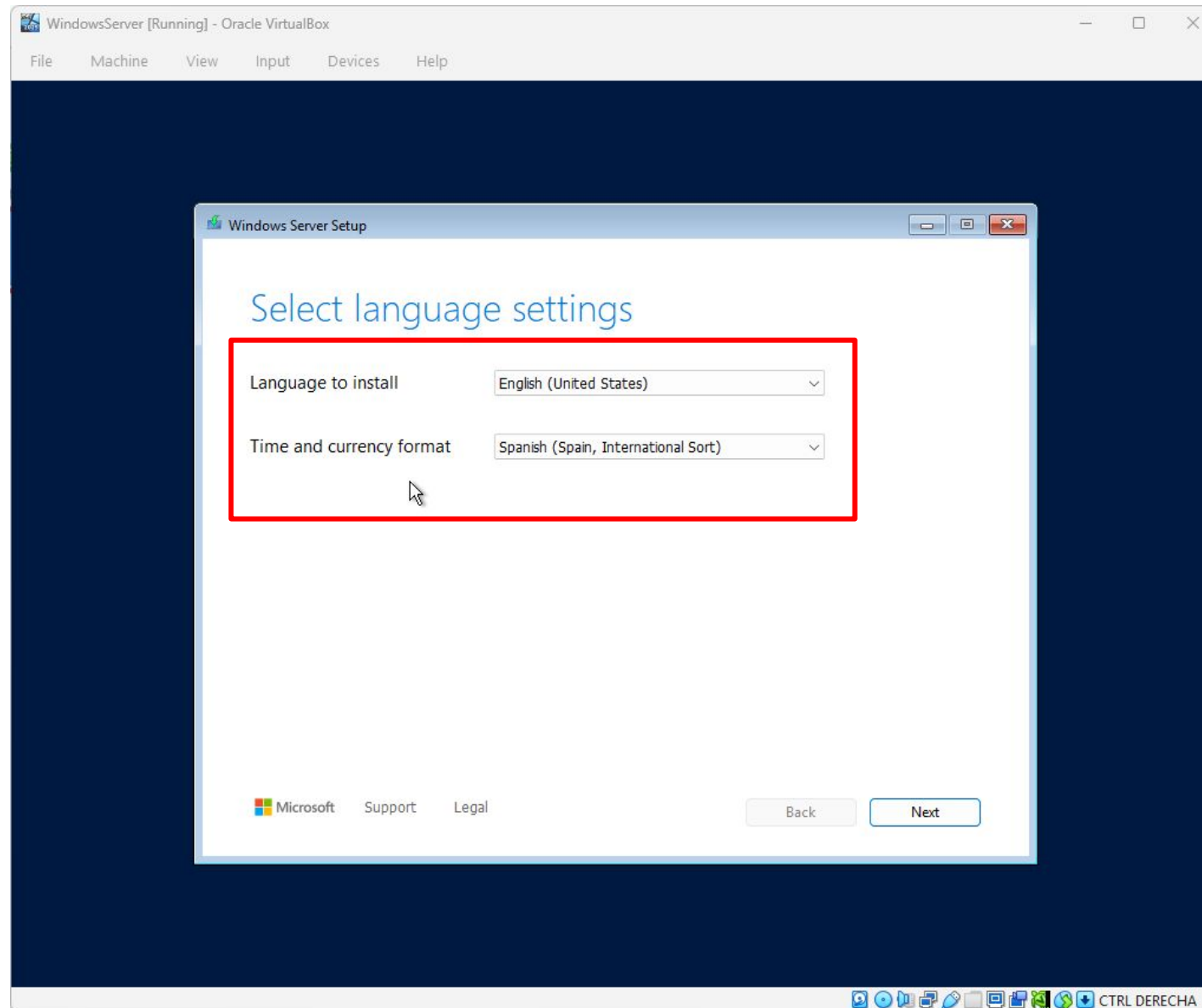
☐ Create Virtual Machine Without a Virtual Hard Disk

Help Finish Cancel

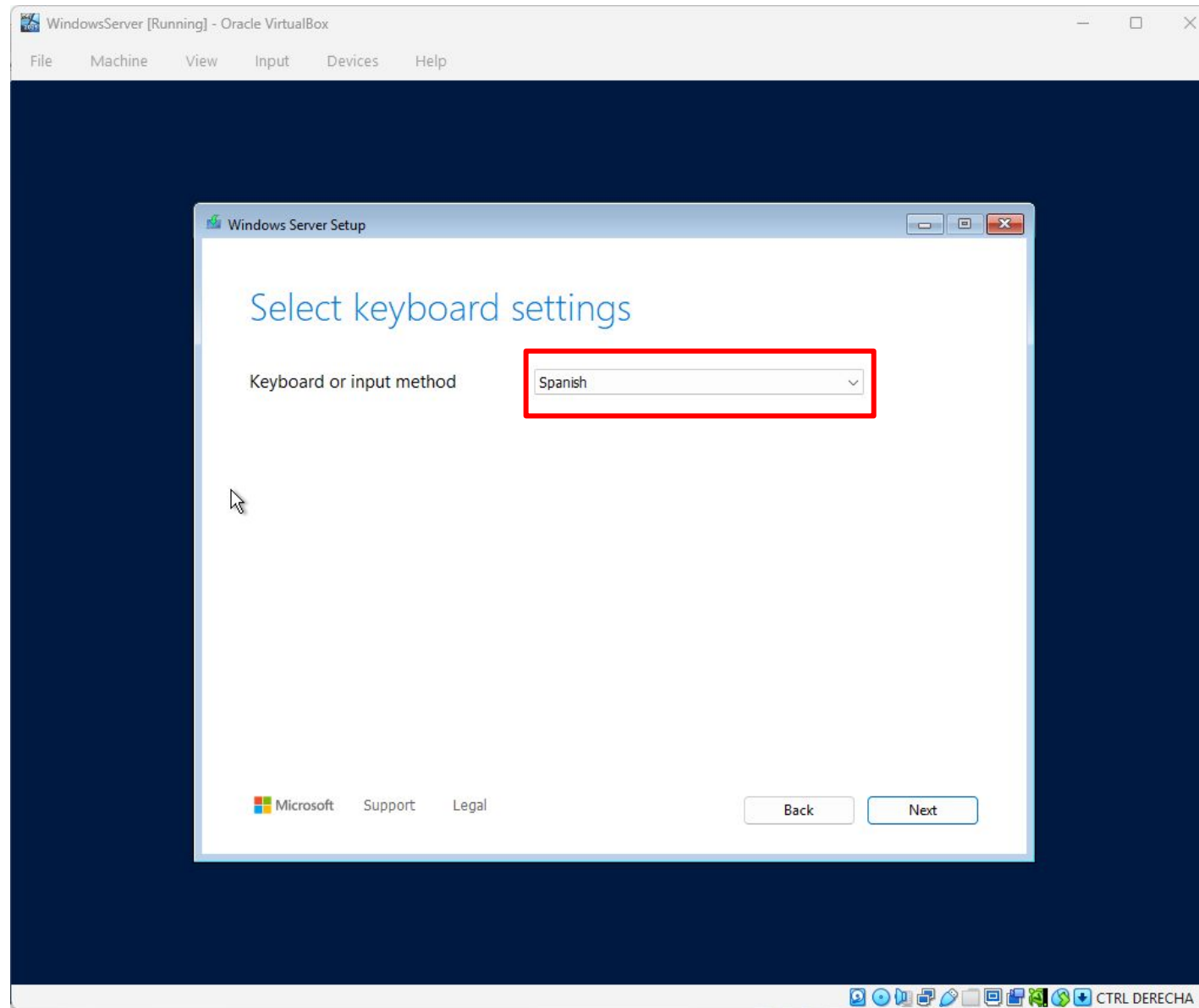
Windows Server Instalazioa



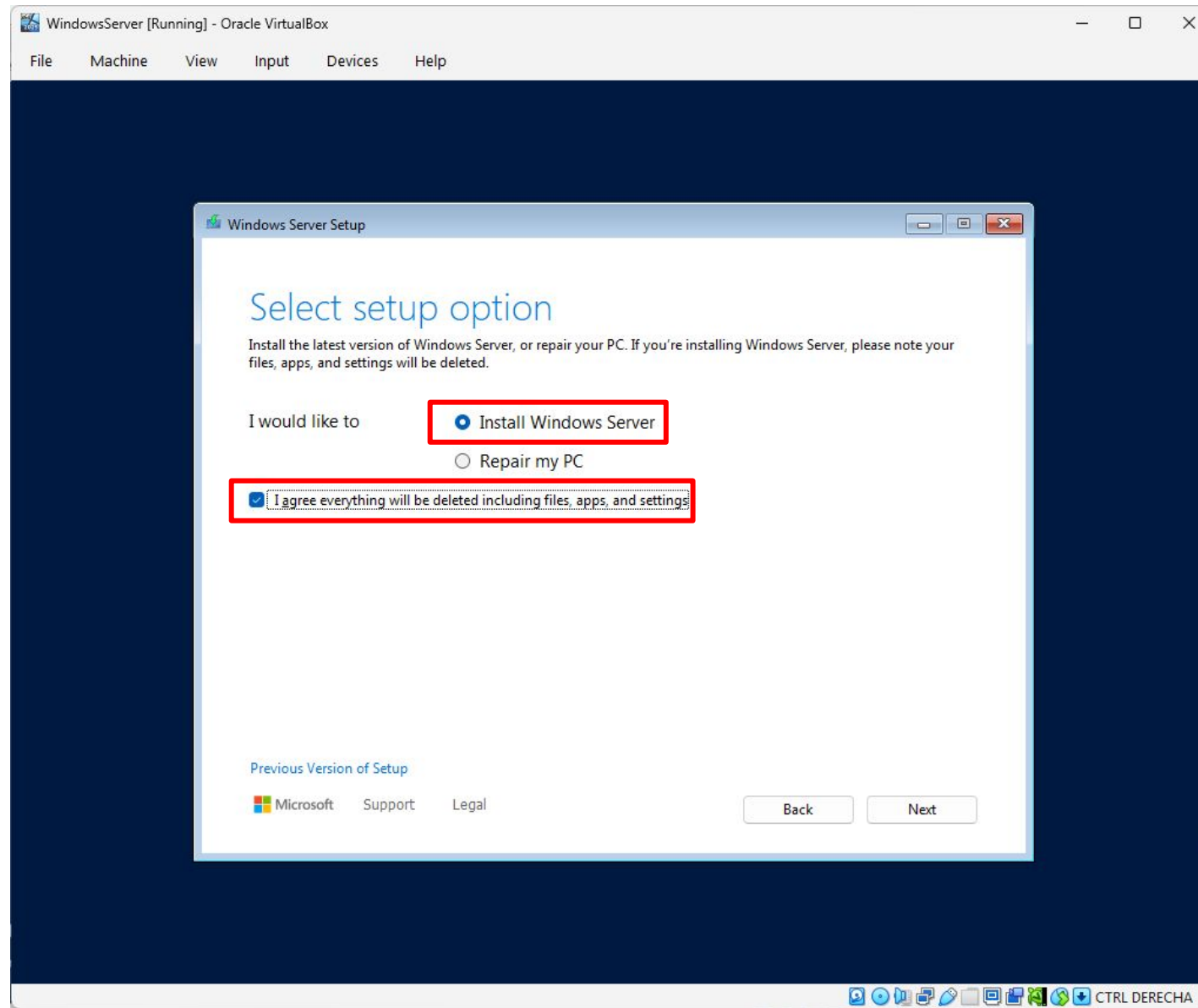
Windows Server Instalazioa



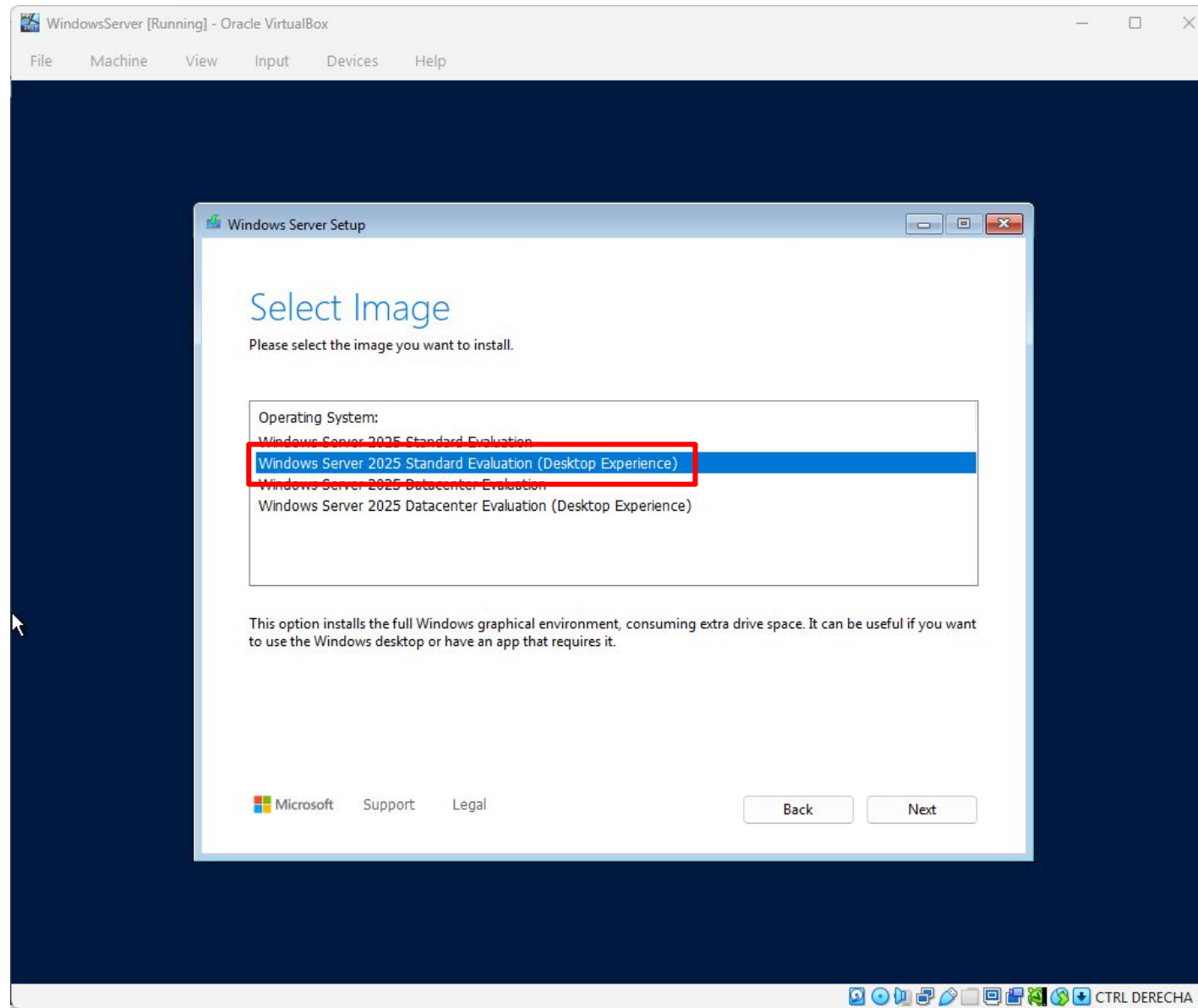
Windows Server Instalazioa



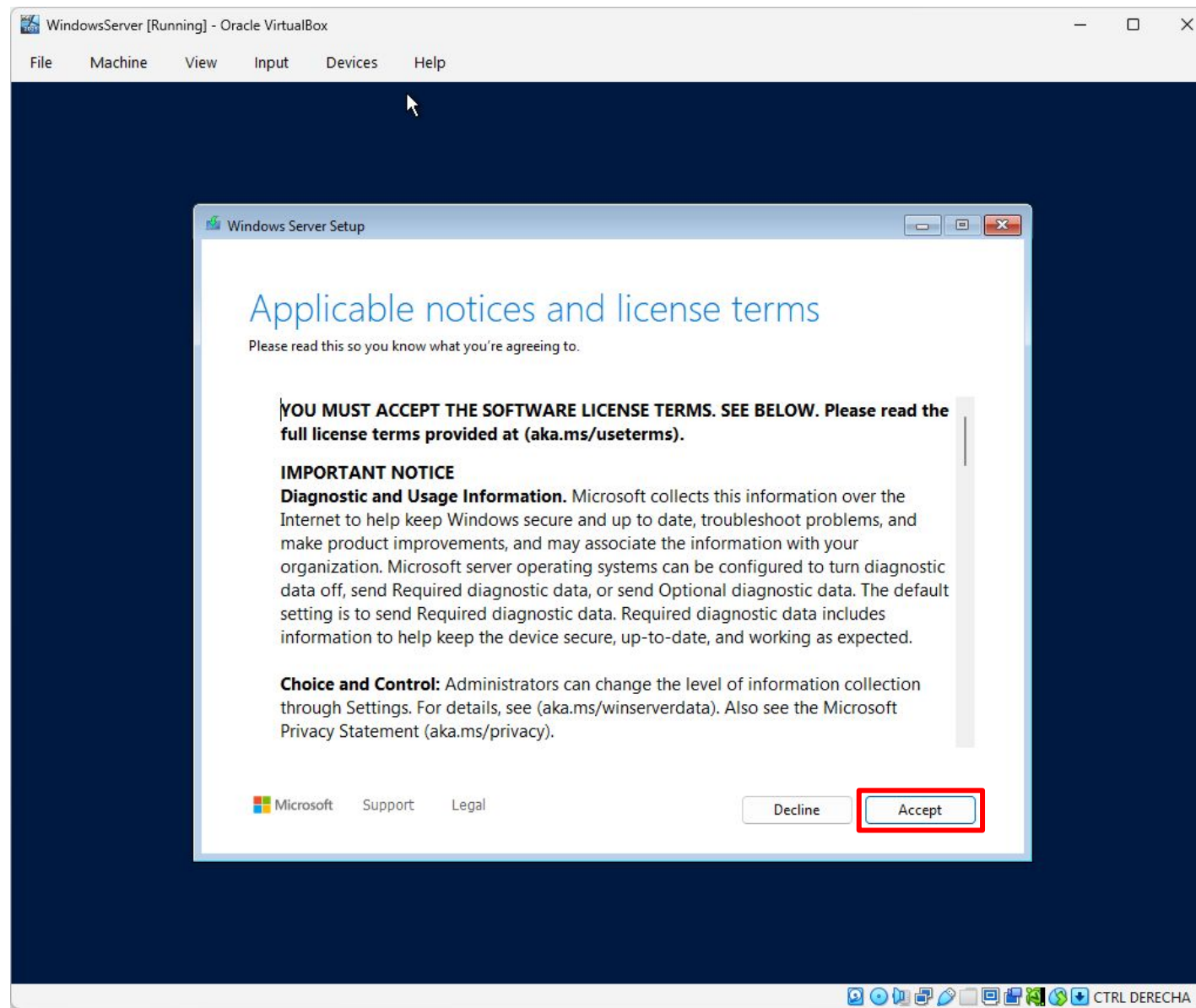
Windows Server Instalazioa



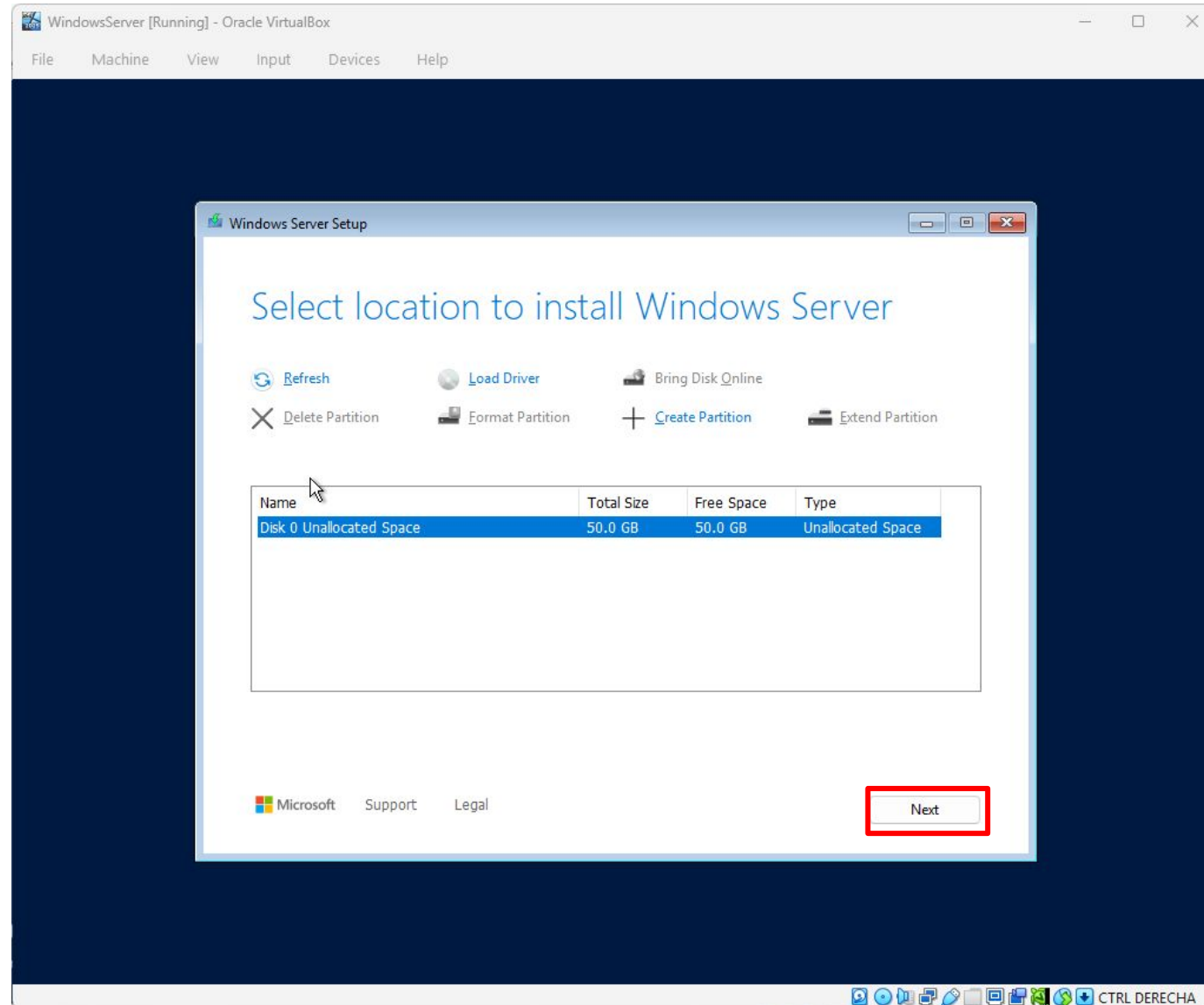
Windows Server Instalazioa



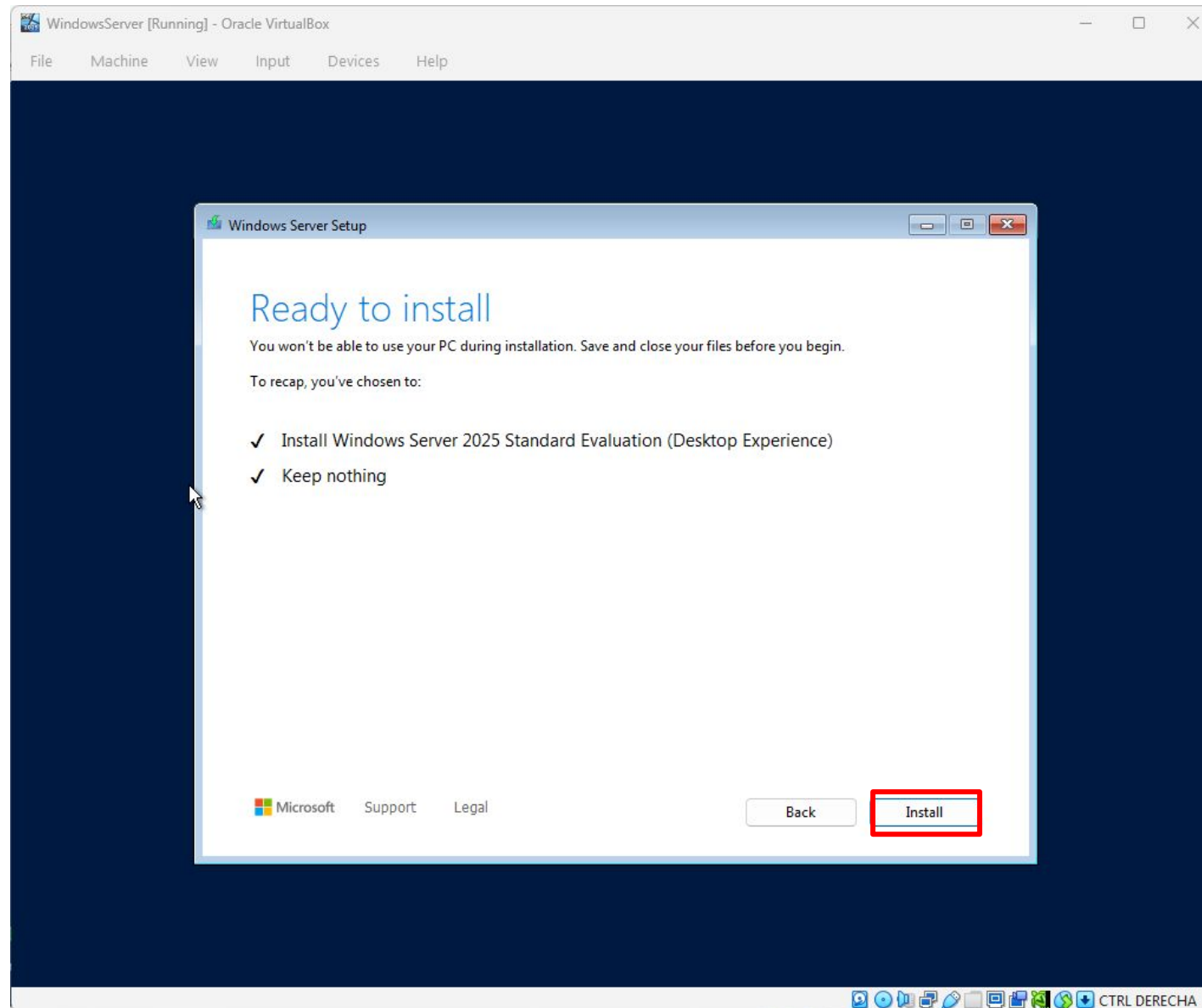
Windows Server Instalazioa



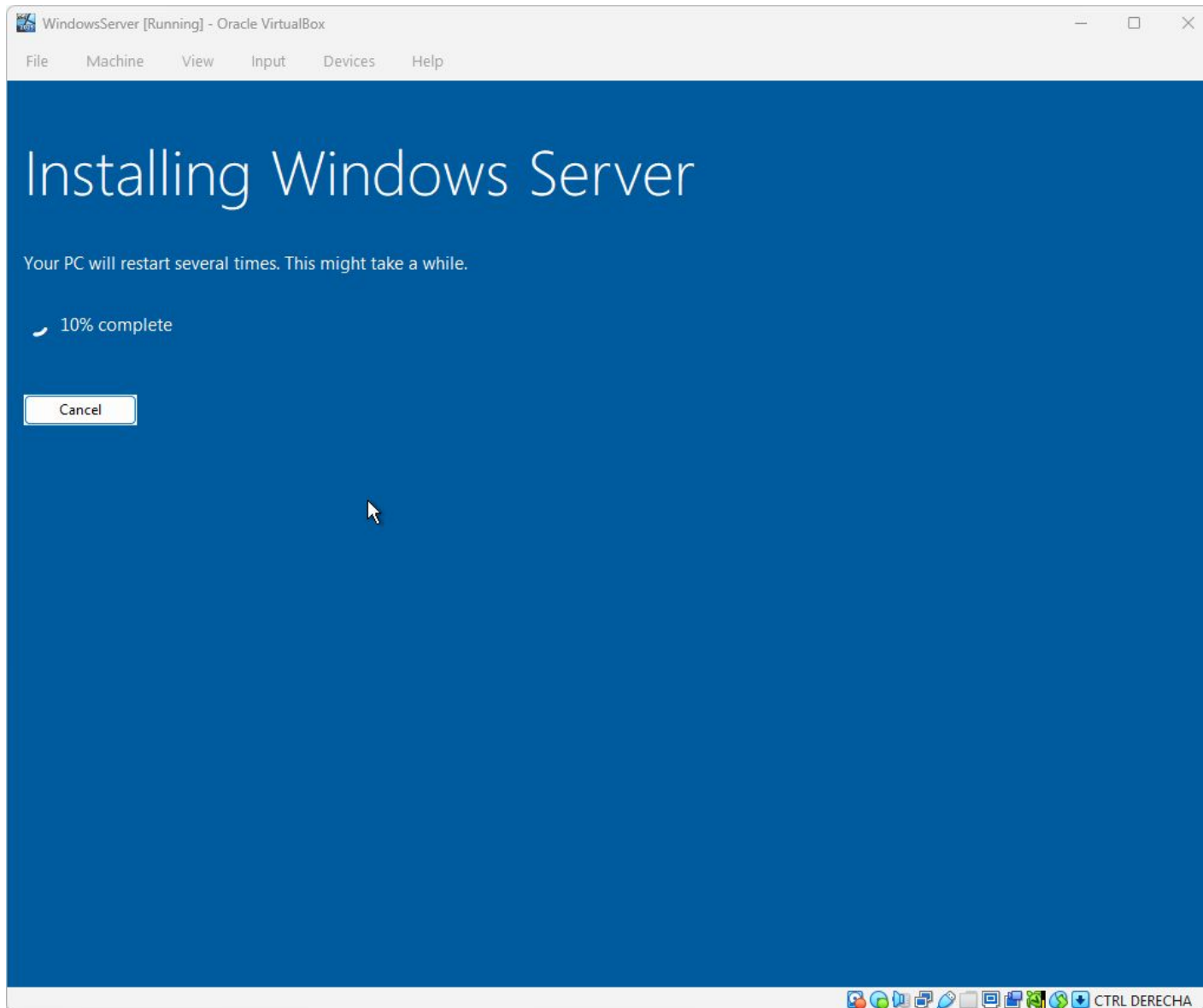
Windows Server Instalazioa



Windows Server Instalazioa

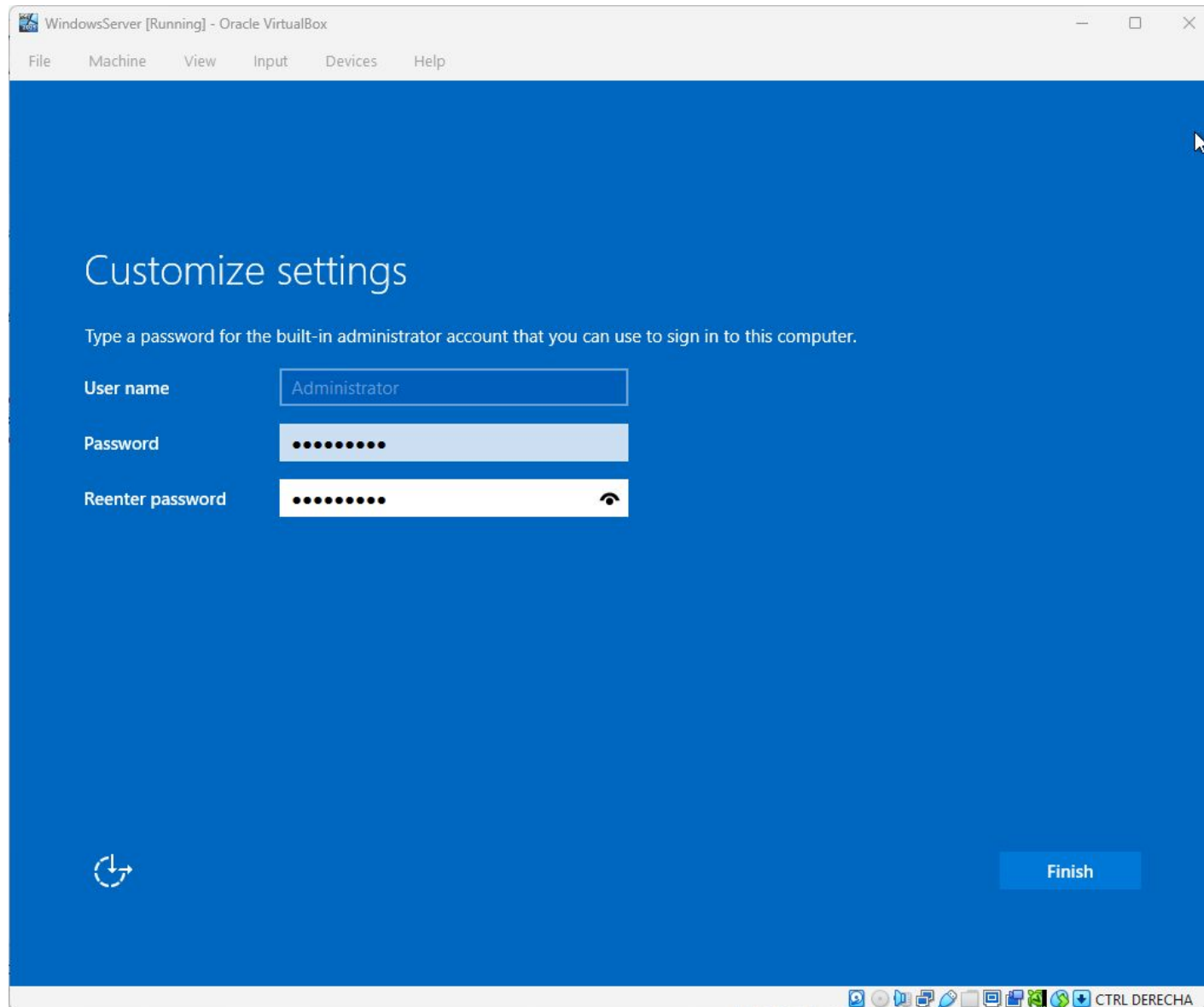


Windows Server Instalazioa



**Itxaron Windows Server
instalatu arte...**

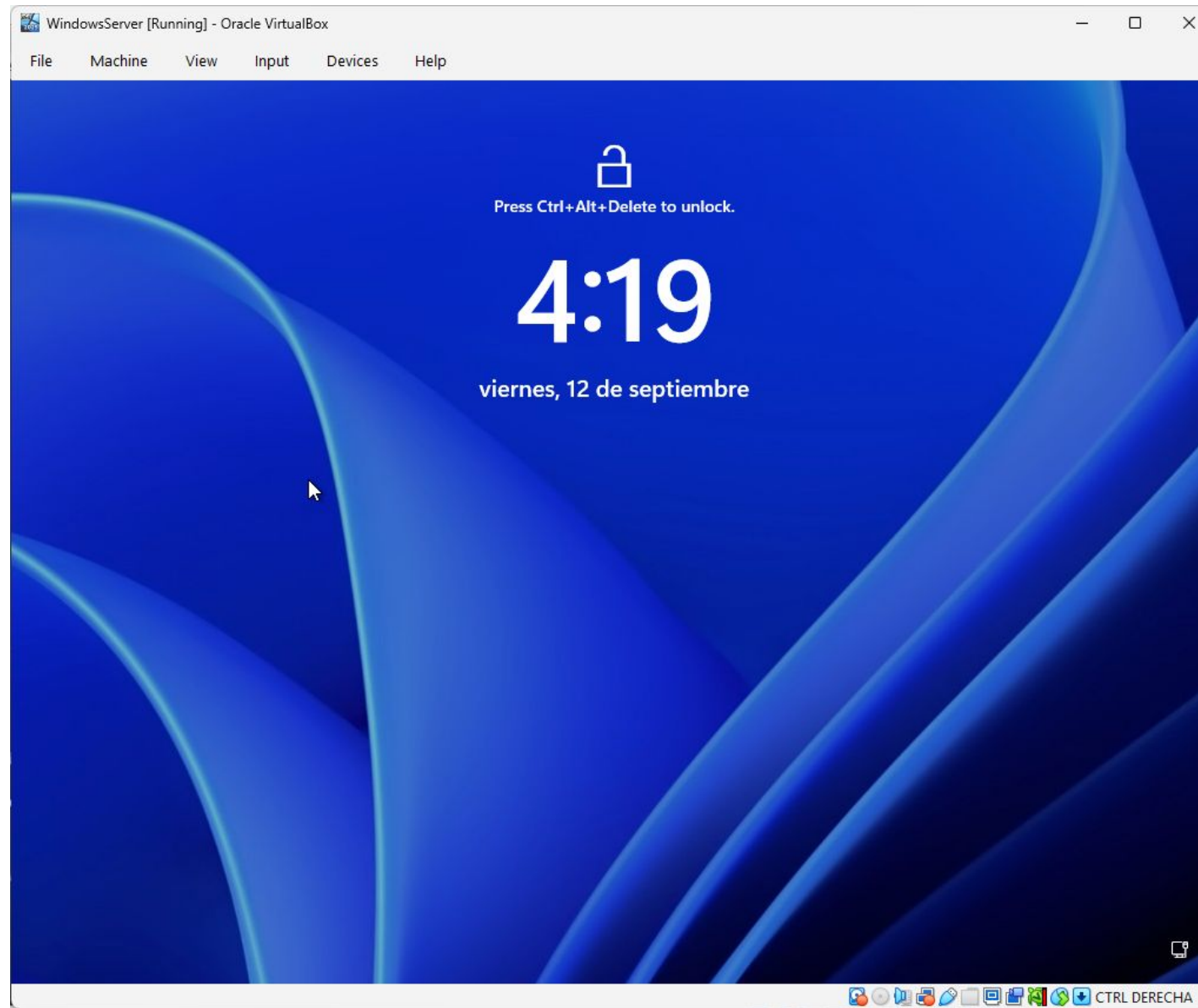
Windows Server Instalazioa



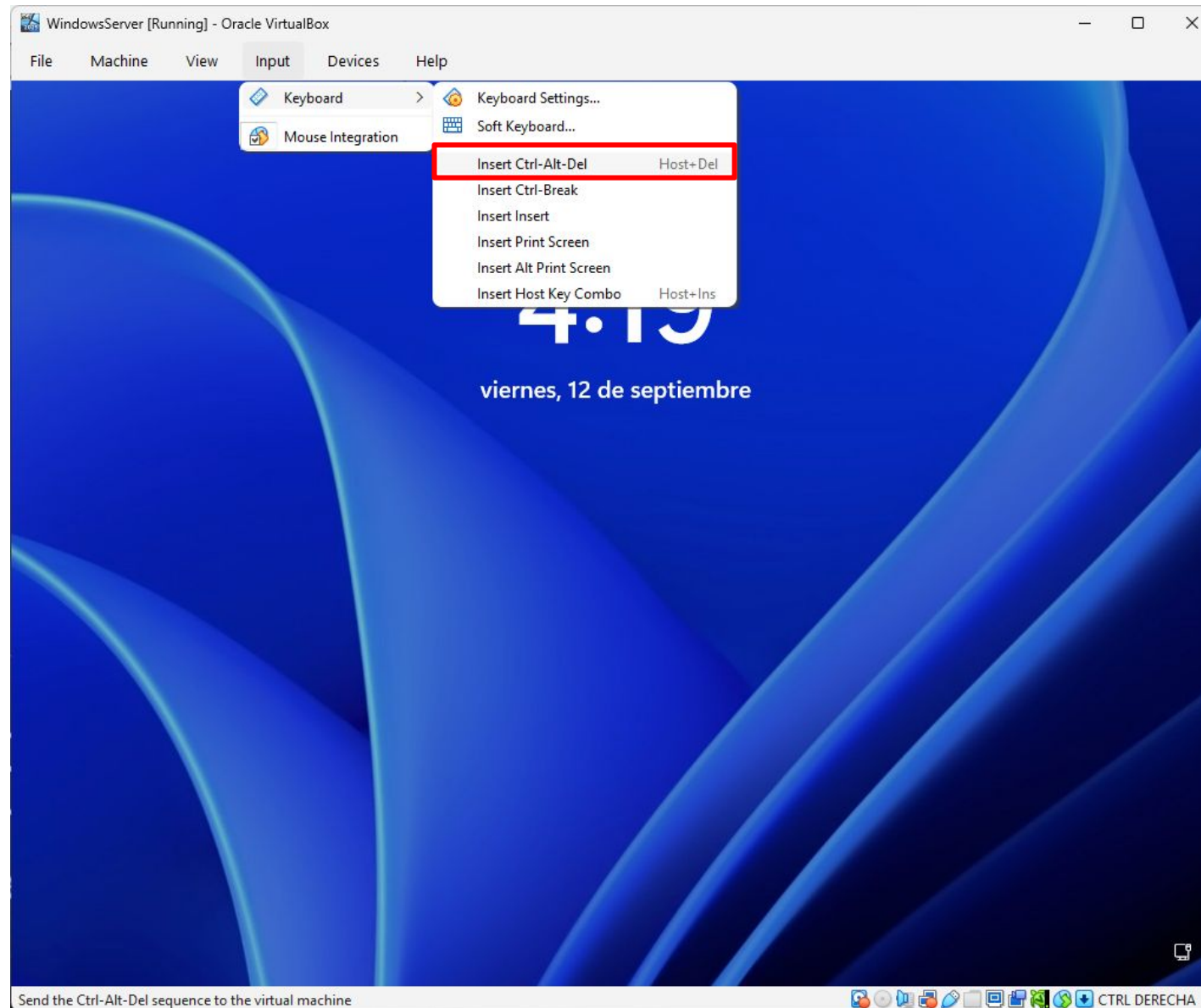
Erabiltzailea: Administrator

Pasahitza: Admin123*

Windows Server Instalazioa



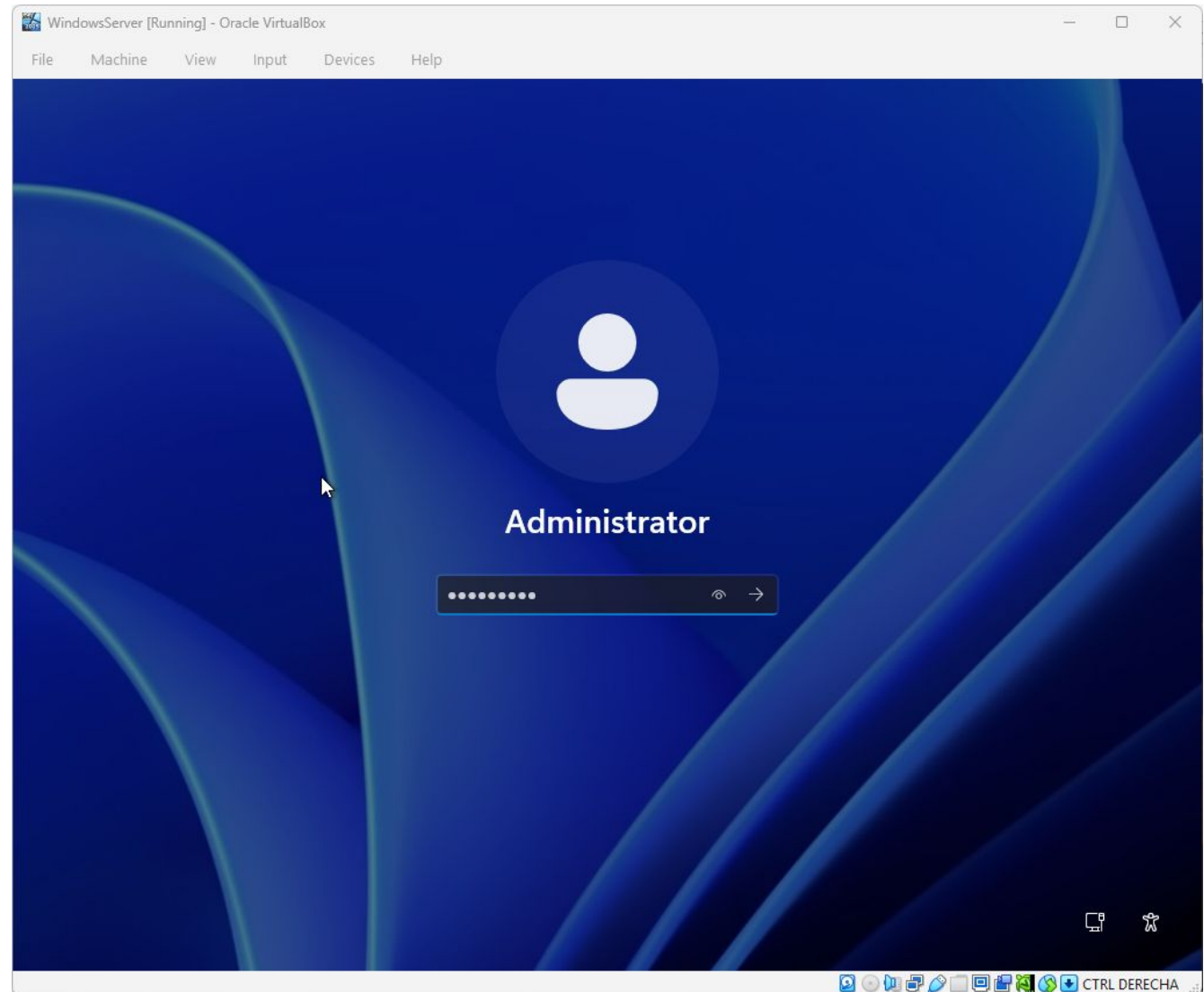
Windows Server Instalazioa



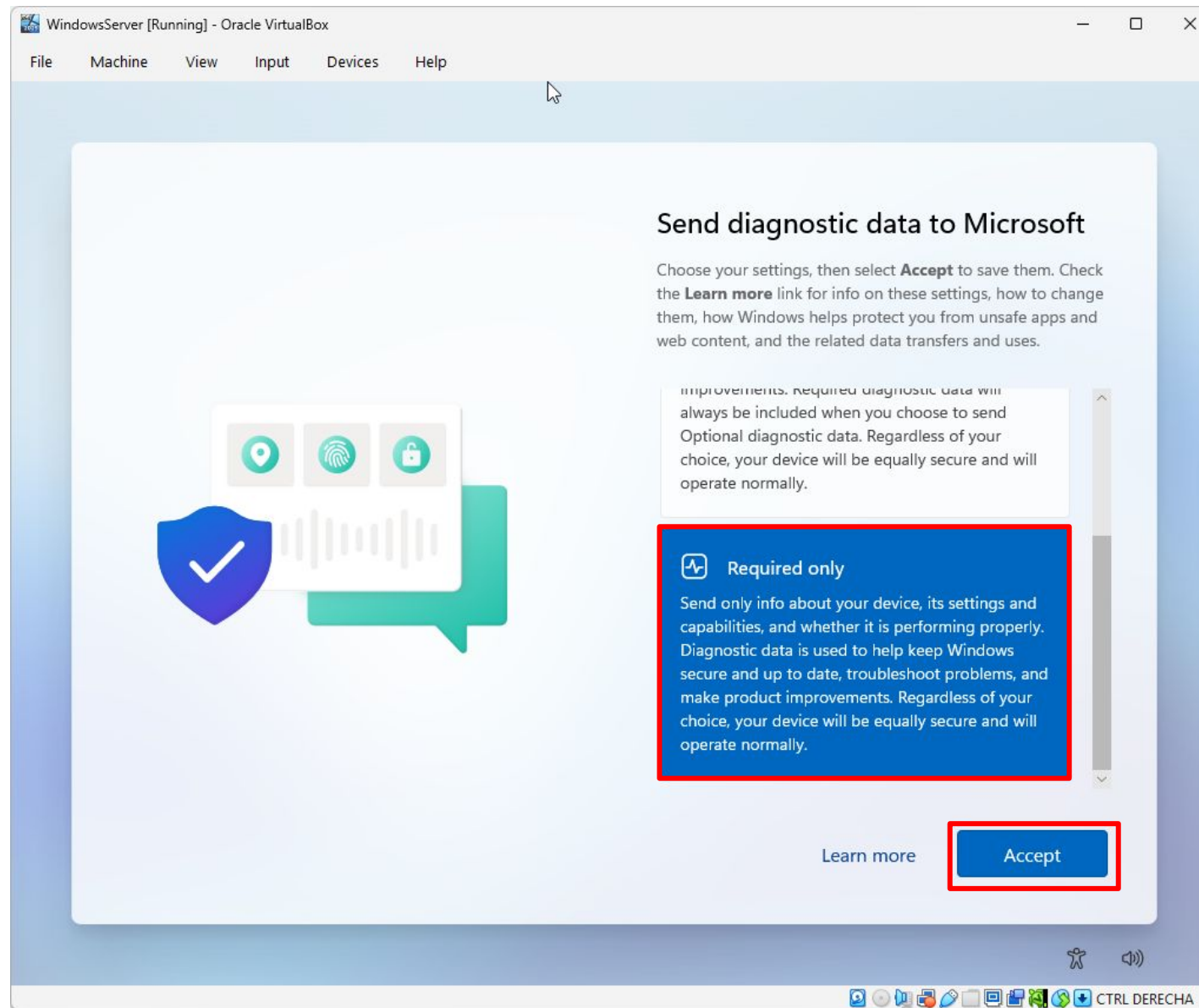
Windows Server Instalazioa

Erabiltzailea: Administrator

Pasahitza: Admin123*

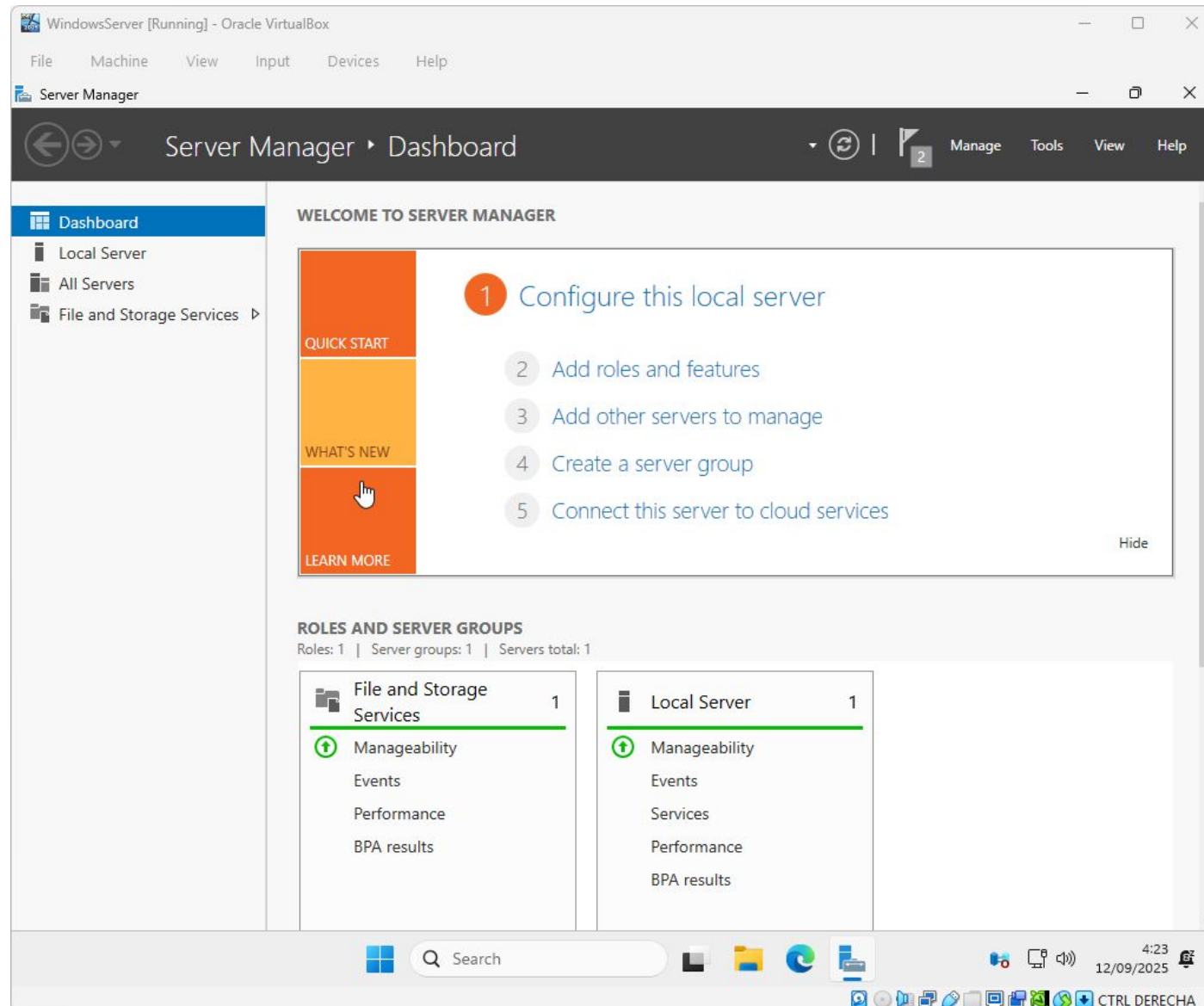


Windows Server Instalazioa

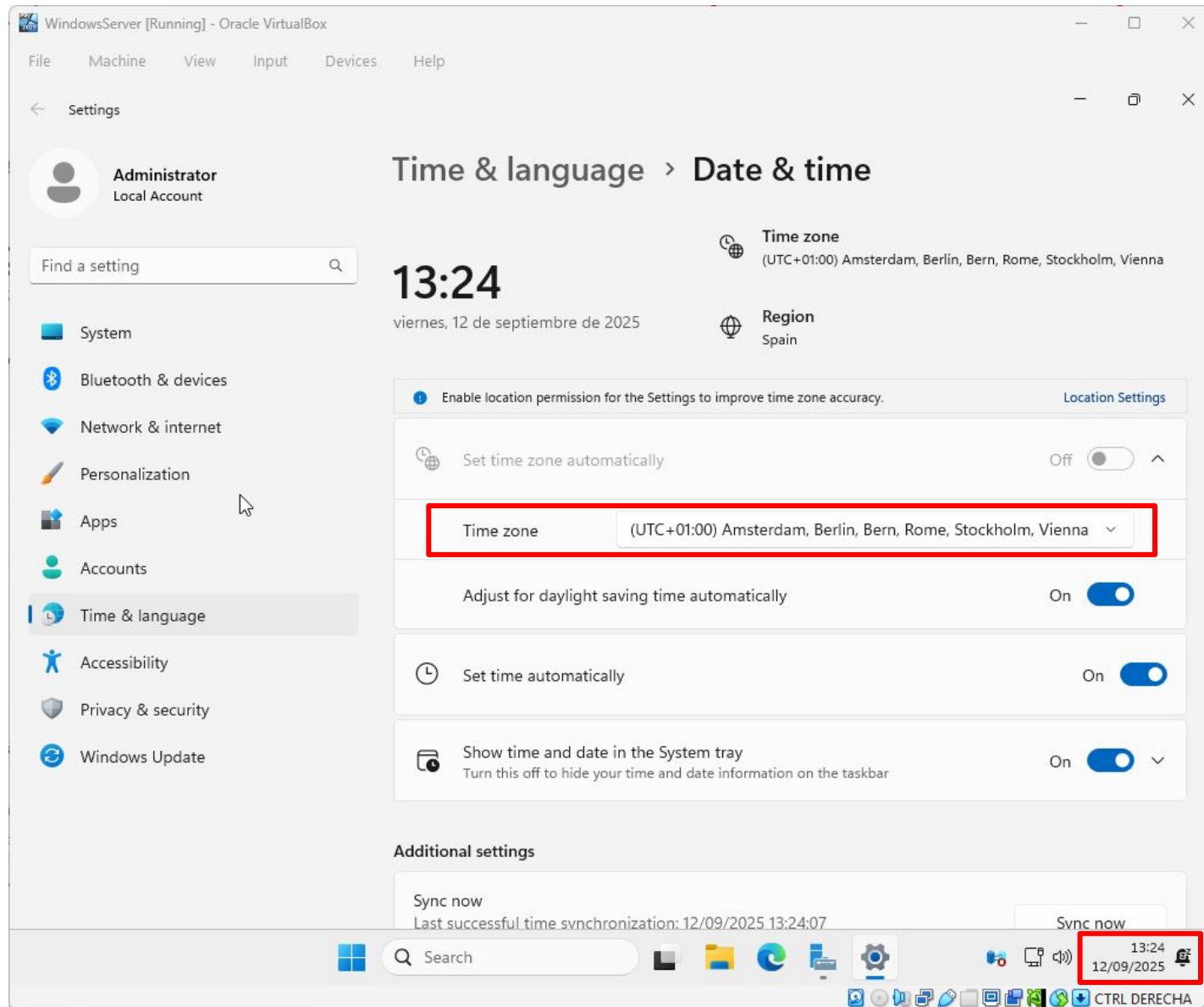


Windows Server Instalazioa

Sesioa hasi ondoren,
windows-ekin batera,
“Server Manager”
izeneko aplikazio bat
hasiko da
automatikoki.

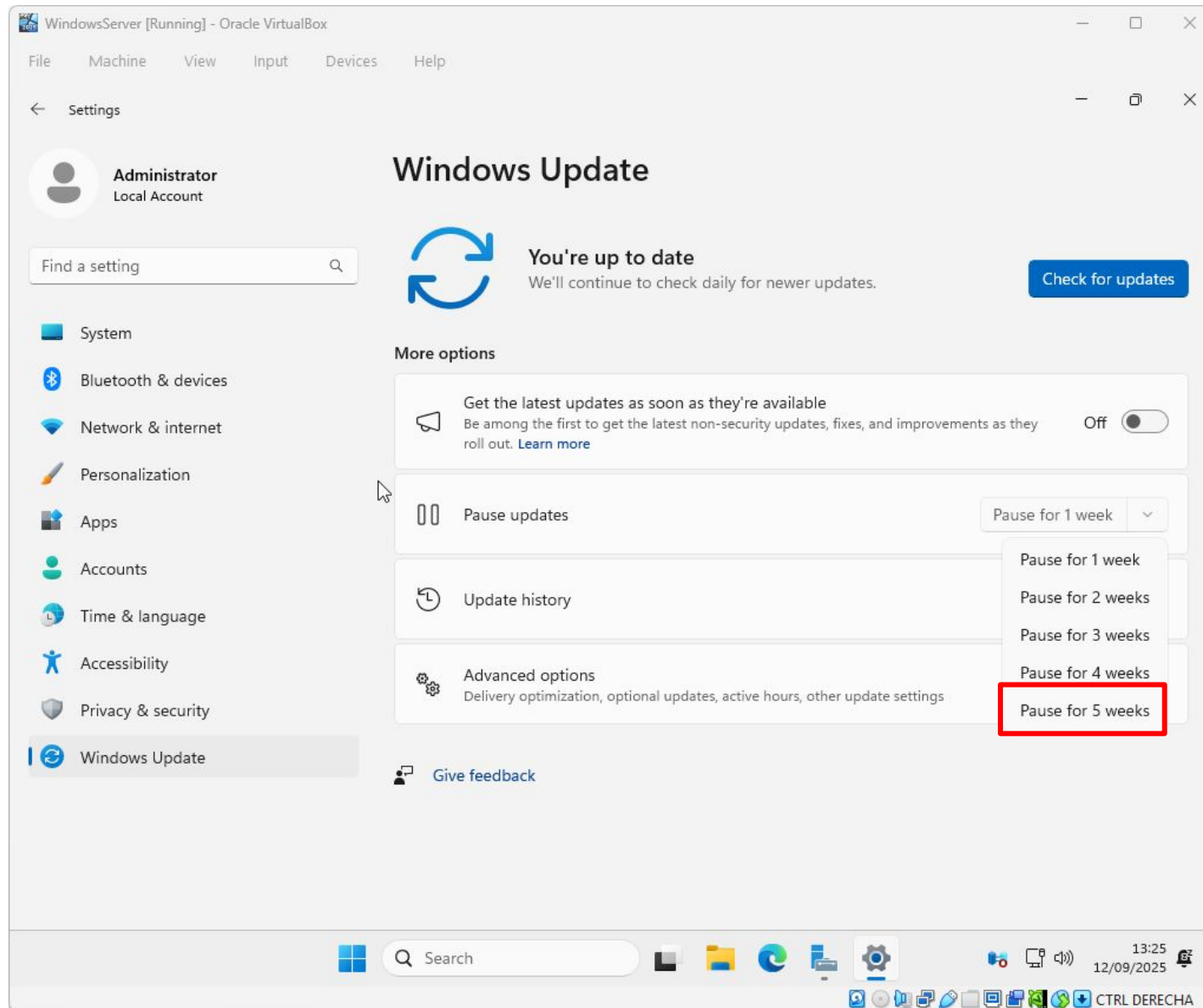


Windows Server Instalazioa



Ordua aldatu.

Windows Server Instalazioa



Eguneraketak desgaitu. Hau klaserako bakarrik egingo dugu.

Enpresan eta zuen ordenagailu pertsonaletan ez egin!

2

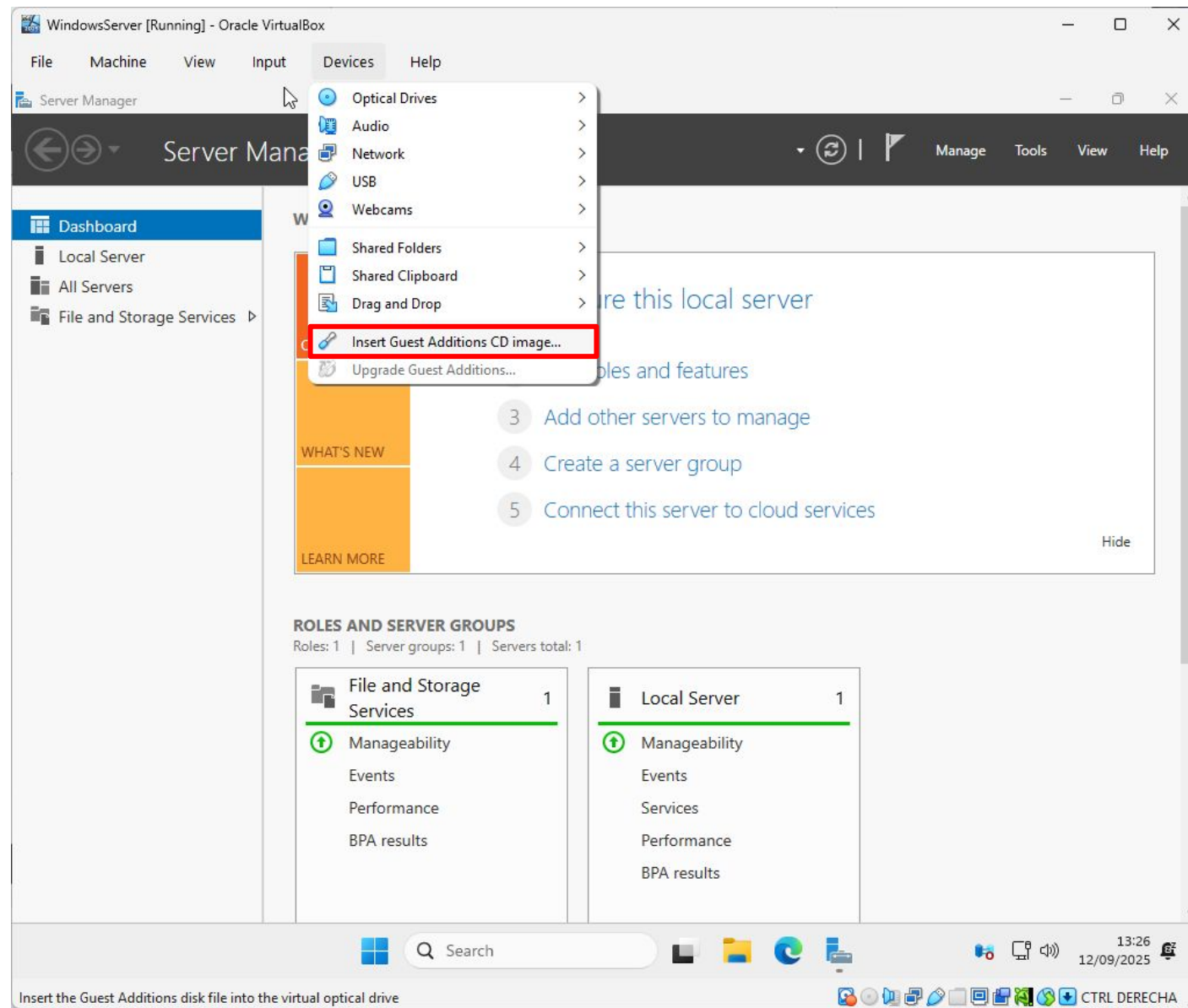
VirtualBox Guest Additions

Instalazioa

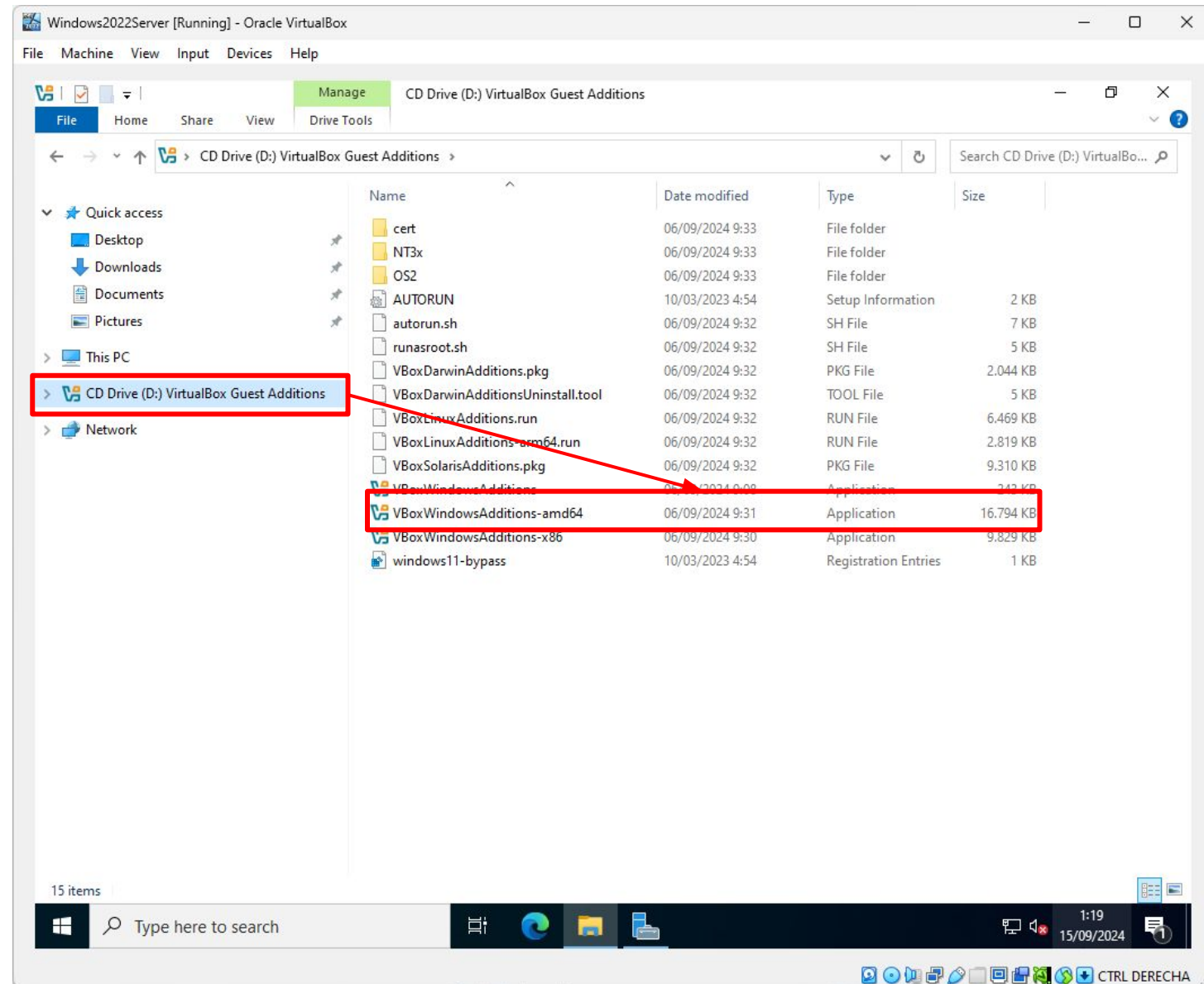
VirtualBox Guest Additions

- Funtzionalitate extra gehiago eskaintzen ditu makina birtualak erabiltzerako orduan.
- Makina birtual bakoitzean instalatzen da.
- Eskeinitako funtzionalitateak:
 - Xaguaren integrazio hobia.
 - Karpeten partekatzea.
 - Bideo soporte hobia.
 - Host <-> VM komunikazioak.
 - Erresoluzio automatikoa.
 - Denboraren sinkronizazioa.
 - Clipboard soportea.
 - Login automatikoa.

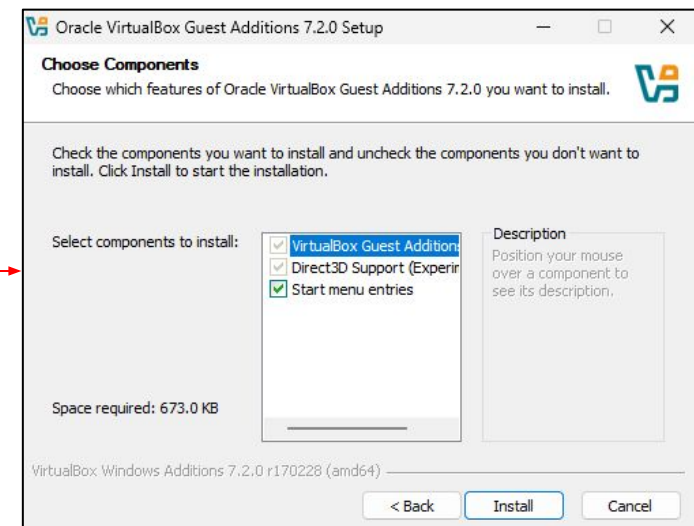
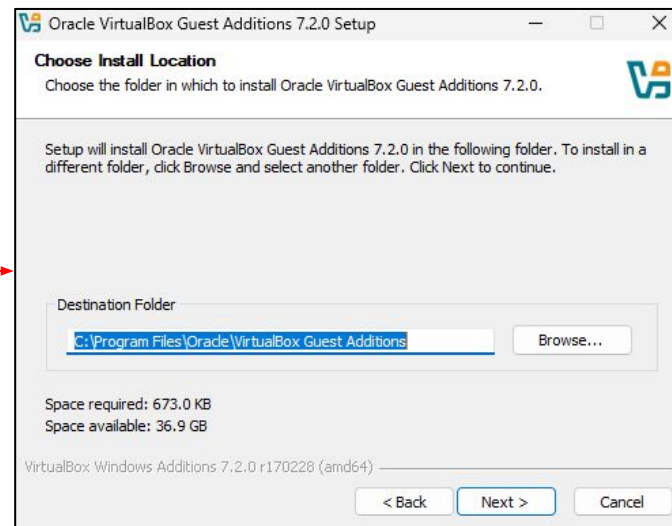
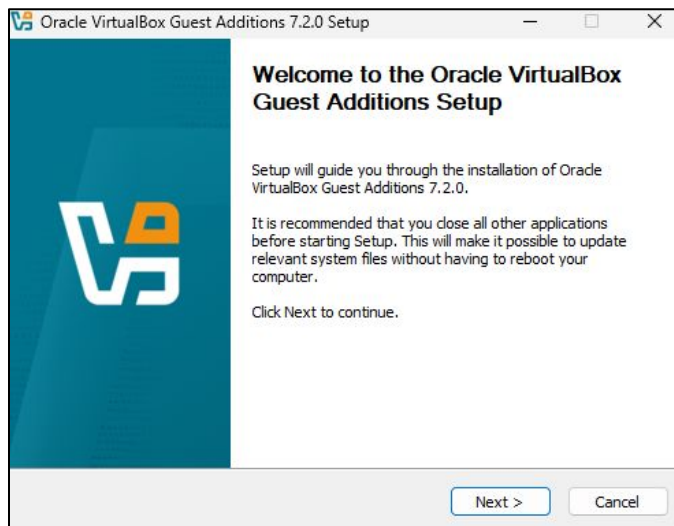
VirtualBox Guest Additions



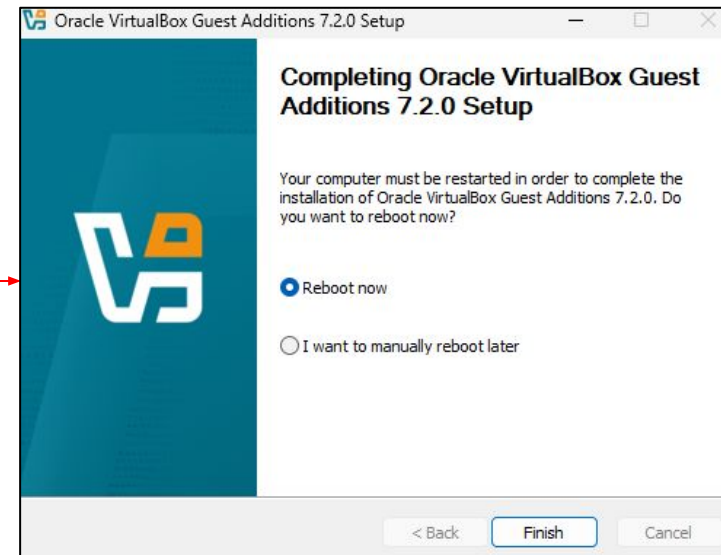
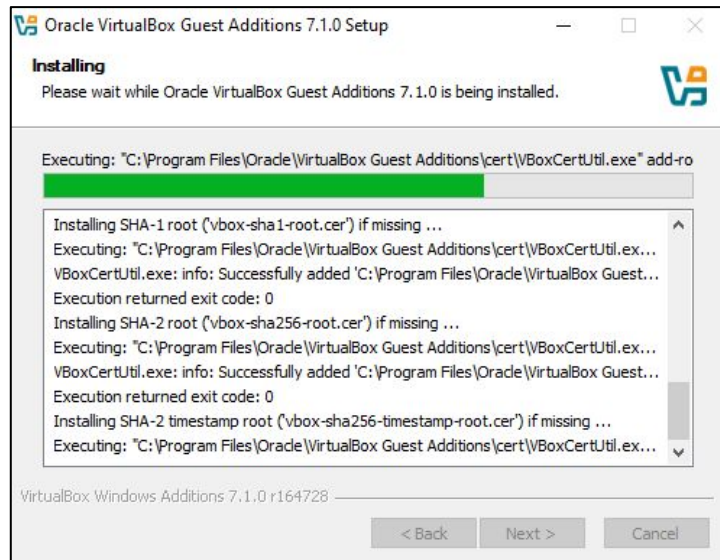
VirtualBox Guest Additions



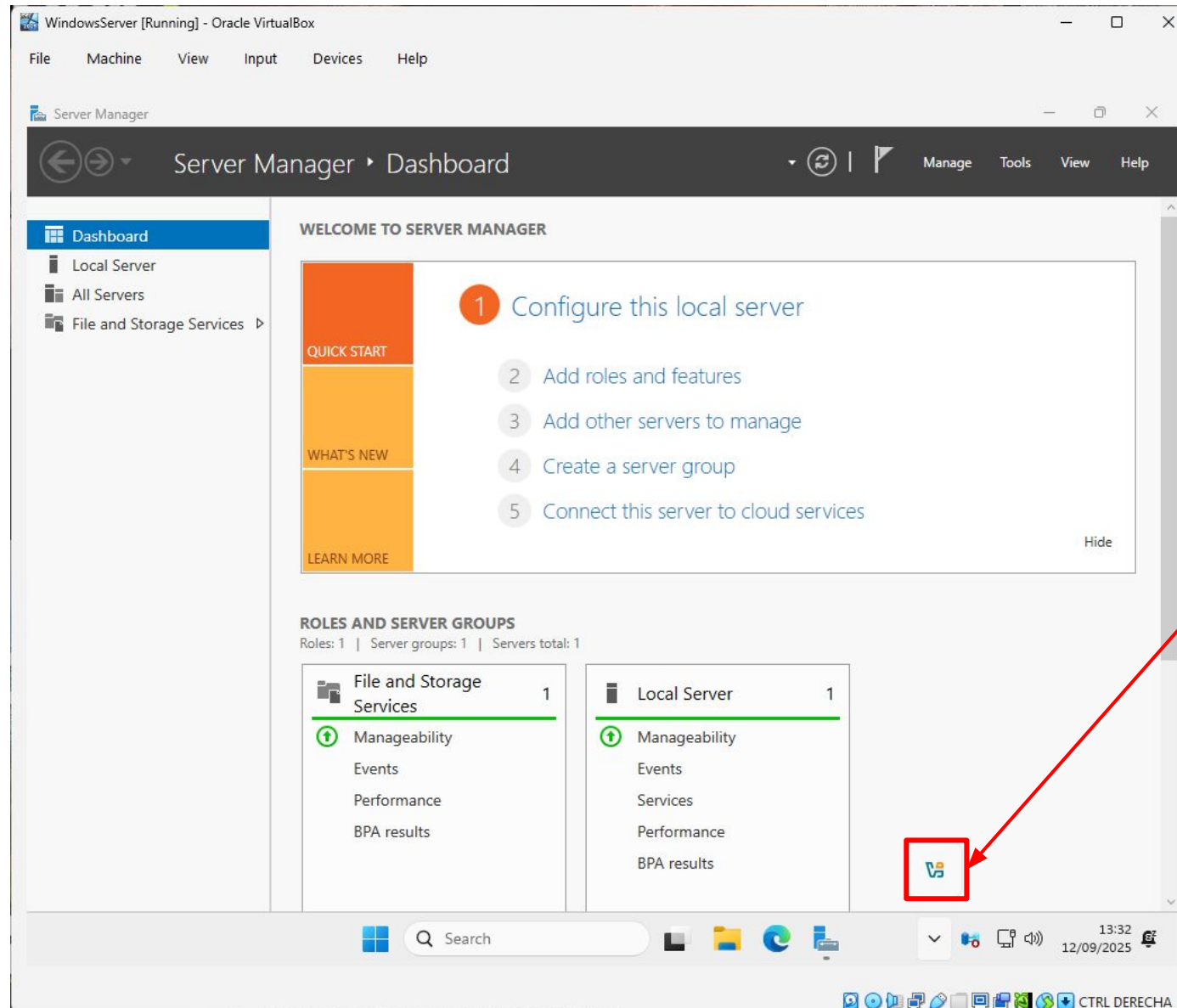
VirtualBox Guest Additions



VirtualBox Guest Additions



VirtualBox Guest Additions



Instalatuta!

Ariketa: Windows Server instalazioa

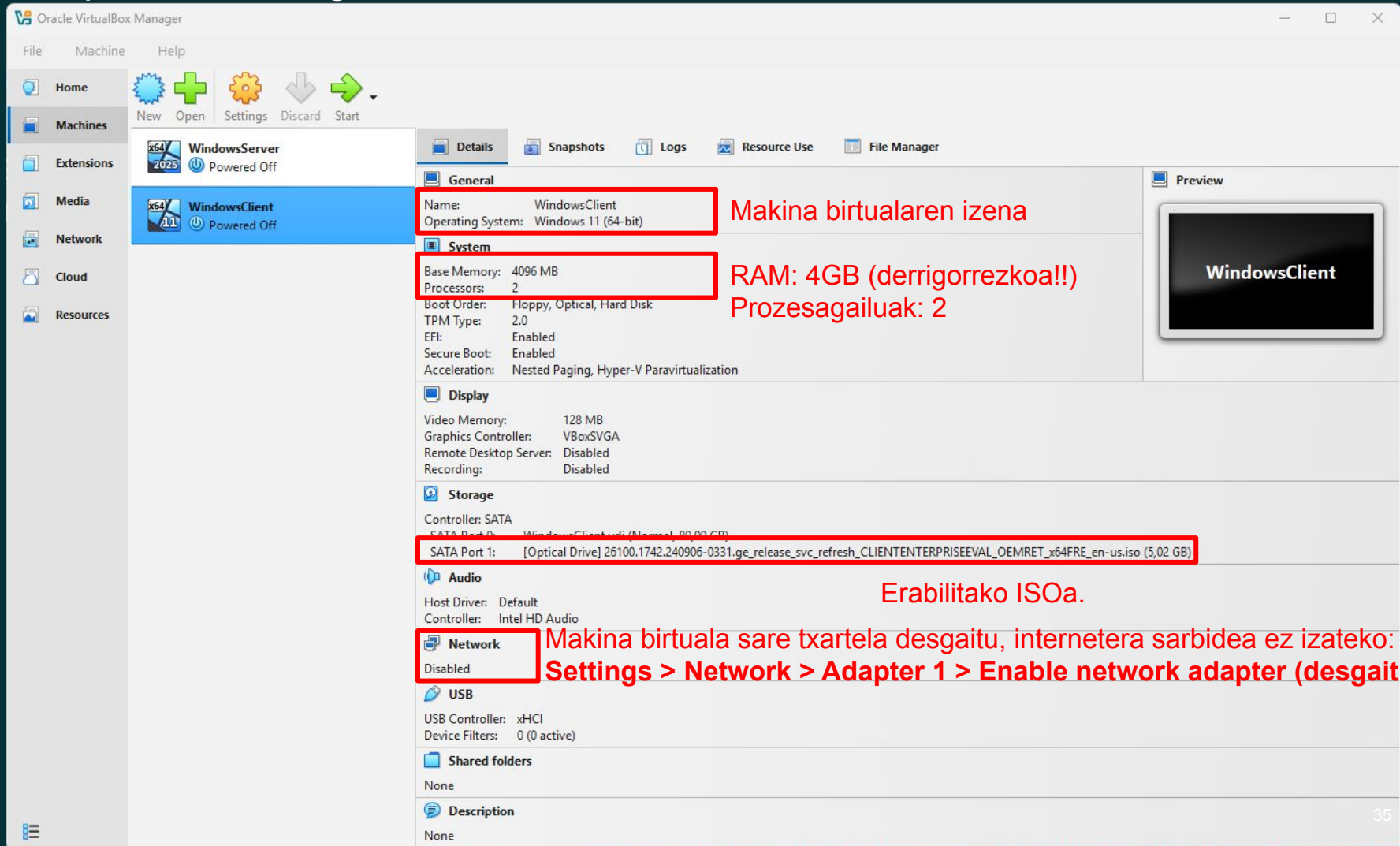
1. Windows Server instalatu nik jarraitutako pauso en konfigurazio berdinarekin.
2. *VirtualBox Guest Additions* instalatu eta konprobatu ondo instalatu dela.

3

Windows Client instalazioa

Ariketa: Windows Client instalazioa

1. Makina birtual berri bat sortu (WindowsClient) izenekoa ondorengo ezaugarriak dituen. Martxan ipini aurretik konprobatu konfigurazioa berdin daukazuela:



The screenshot shows the Oracle VM VirtualBox Manager interface. The 'Machines' list on the left includes 'WindowsServer' and 'WindowsClient'. The 'Details' tab for 'WindowsClient' is selected, showing the following settings:

- Name:** WindowsClient
- Operating System:** Windows 11 (64-bit)
- Base Memory:** 4096 MB
- Processors:** 2
- Boot Order:** Floppy, Optical, Hard Disk
- TPM Type:** 2.0
- EFI:** Enabled
- Secure Boot:** Enabled
- Acceleration:** Nested Paging, Hyper-V Paravirtualization
- Video Memory:** 128 MB
- Graphics Controller:** VBoxSVGA
- Remote Desktop Server:** Disabled
- Recording:** Disabled
- SATA Port 1:** [Optical Drive] 26100.1742.240906-0331.ge_release_svc_refresh_CLIENTENTERPRISEEVAL_OEMRET_x64FRE_en-us.iso (5,02 GB)
- Host Driver:** Default
- Controller:** Intel HD Audio
- Network:** Disabled
- USB Controller:** xHCI
- Device Filters:** 0 (0 active)
- Shared folders:** None
- Description:** None

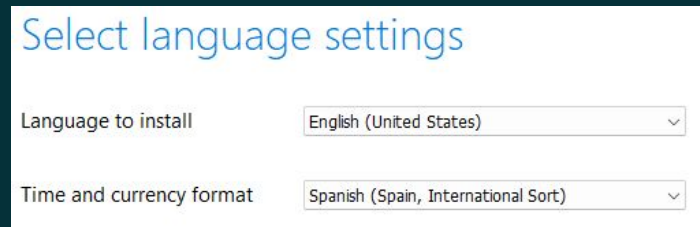
Annotations in red text highlight specific settings:

- Makina birtualaren izena:** Points to the Name and Operating System fields.
- RAM: 4GB (derrigorrezkoa!!) Prozesagailuak: 2:** Points to the Base Memory and Processors fields.
- Erabilitako ISOa:** Points to the SATA Port 1 field.
- Makina birtuala sare txartela desgaitu, internetera sarbidea ez izateko:** Points to the Network field.
- Settings > Network > Adapter 1 > Enable network adapter (desgaitu):** Points to the Network field.

Ariketa: Windows Client instalazioa

2. Makina birtuala piztu eta instalazioa egin

- Hizkuntza eta denbora formatua

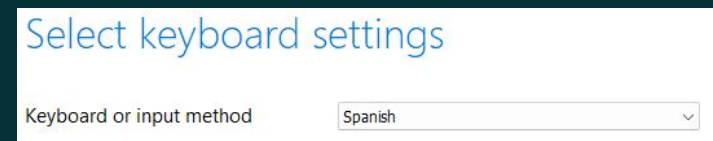


Select language settings

Language to install: English (United States) ▼

Time and currency format: Spanish (Spain, International Sort) ▼

- Teklatua



Select keyboard settings

Keyboard or input method: Spanish ▼

- Erabiltzaile lokal bat sortu:
 - Erabiltzailea: Client
 - Pasahitza: Client123*

Ariketa: Windows Client instalazioa

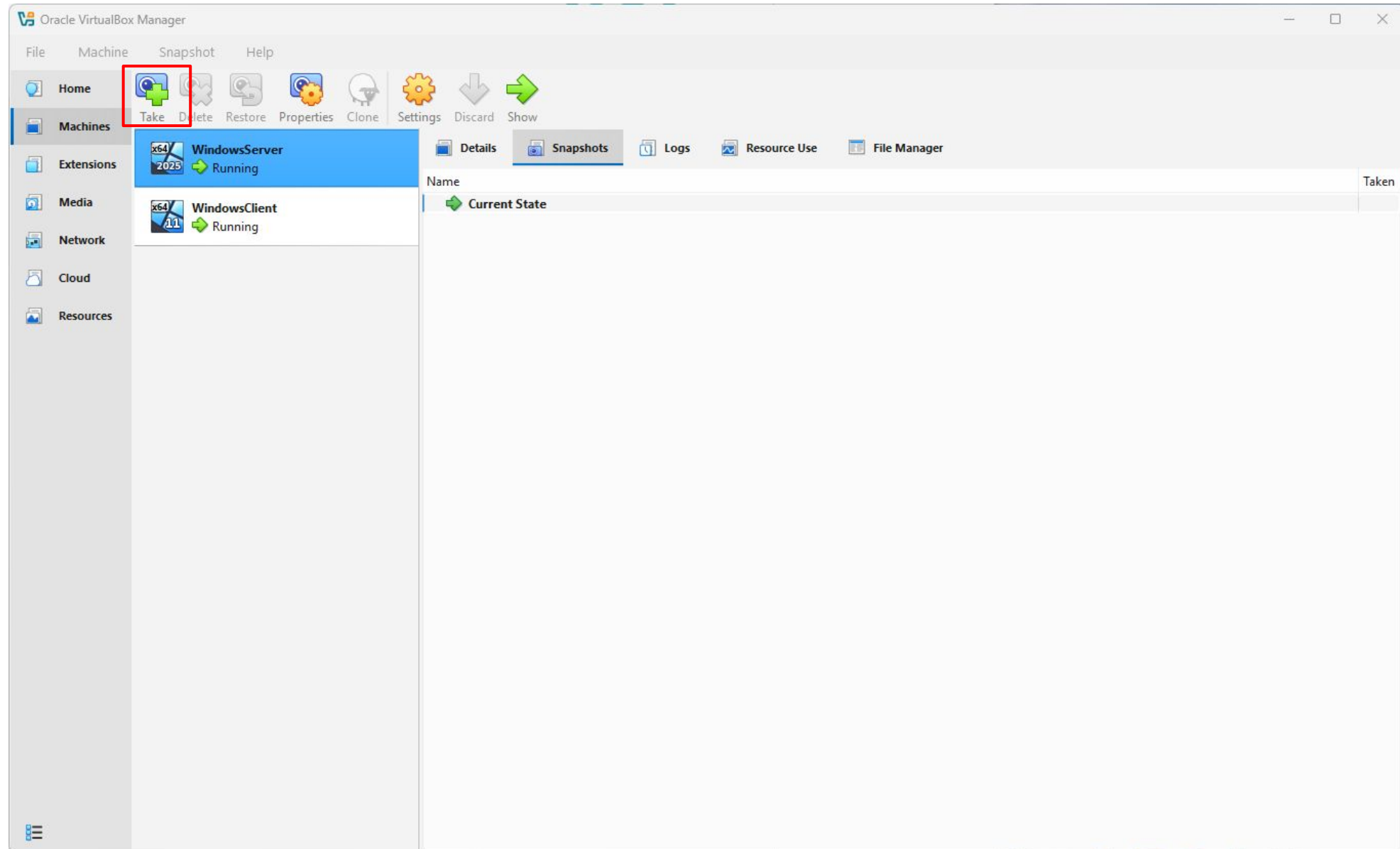
3. Eguneraketak 5 astez pausatu.
4. Ordua ondo dagoela konprobatu. Ondo konfiguratu beharrezkoa bada.
5. *VirtualBox Guest Additions* instalatu eta ondo instalatu dela konprobatu.

5

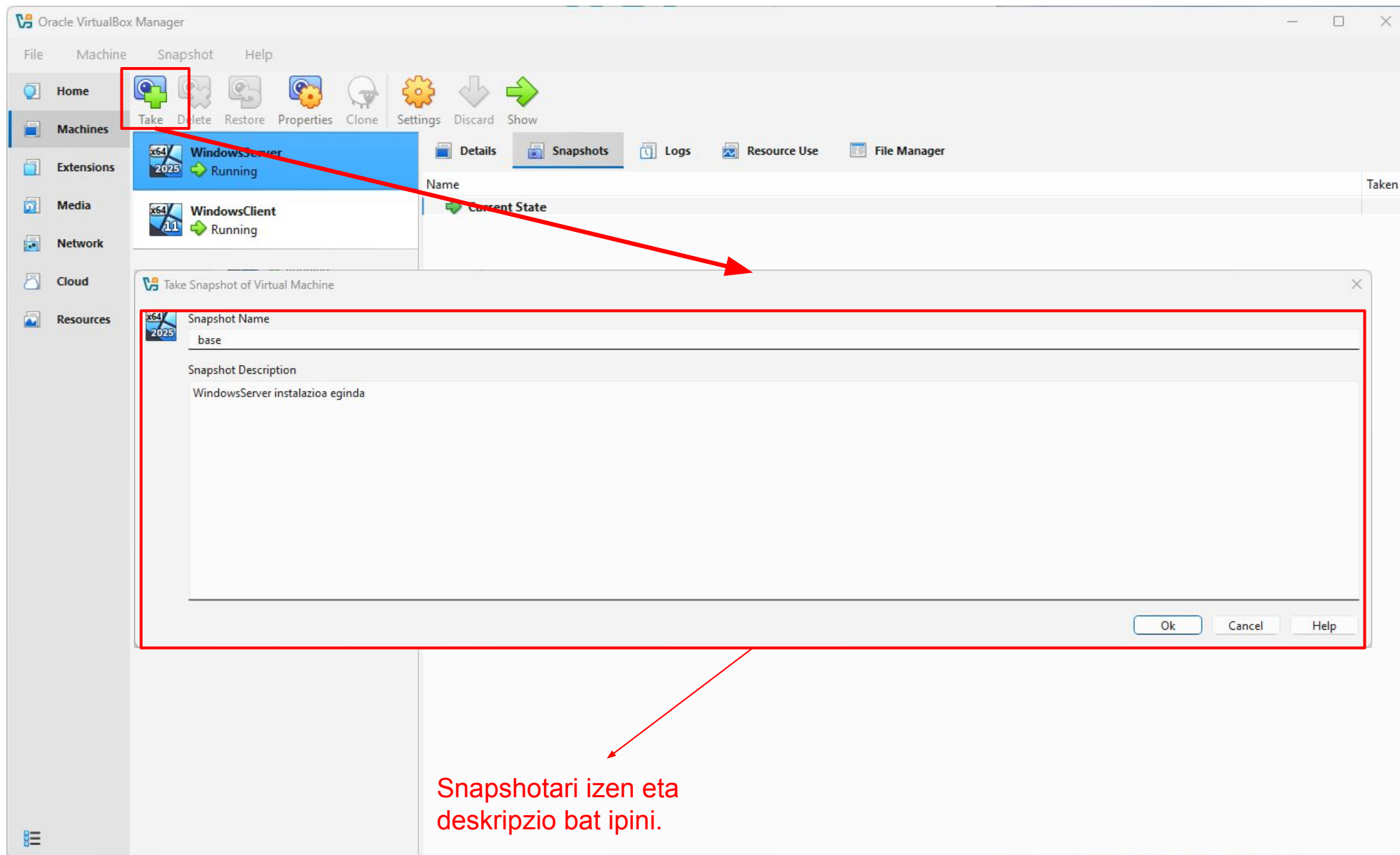
Makinen snapshot-ak atera

Bi makina birtualetan.

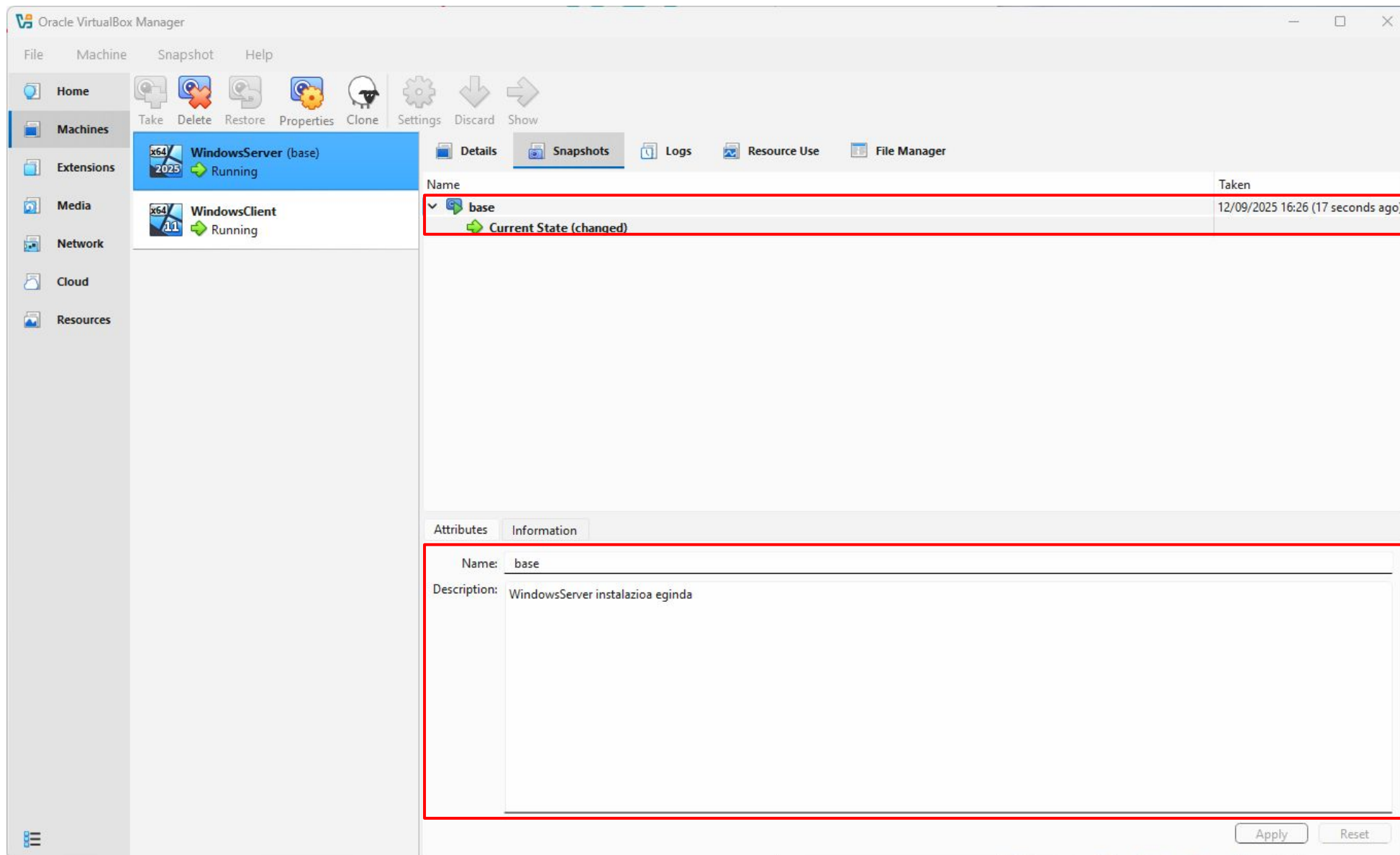
Snapshot-ak



Snapshot-ak



Snapshot-ak



Eskerrik asko

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