

HOW TO INSTALL WINDOWS 11 ON VIRTUAL BOX

Run several Oses such as Microsoft Windows, Linux, BSD, and others inside a virtual machine. This article shows how to prepare, setup, and install Windows 11 in a VirtualBox Virtual Machine (VM).

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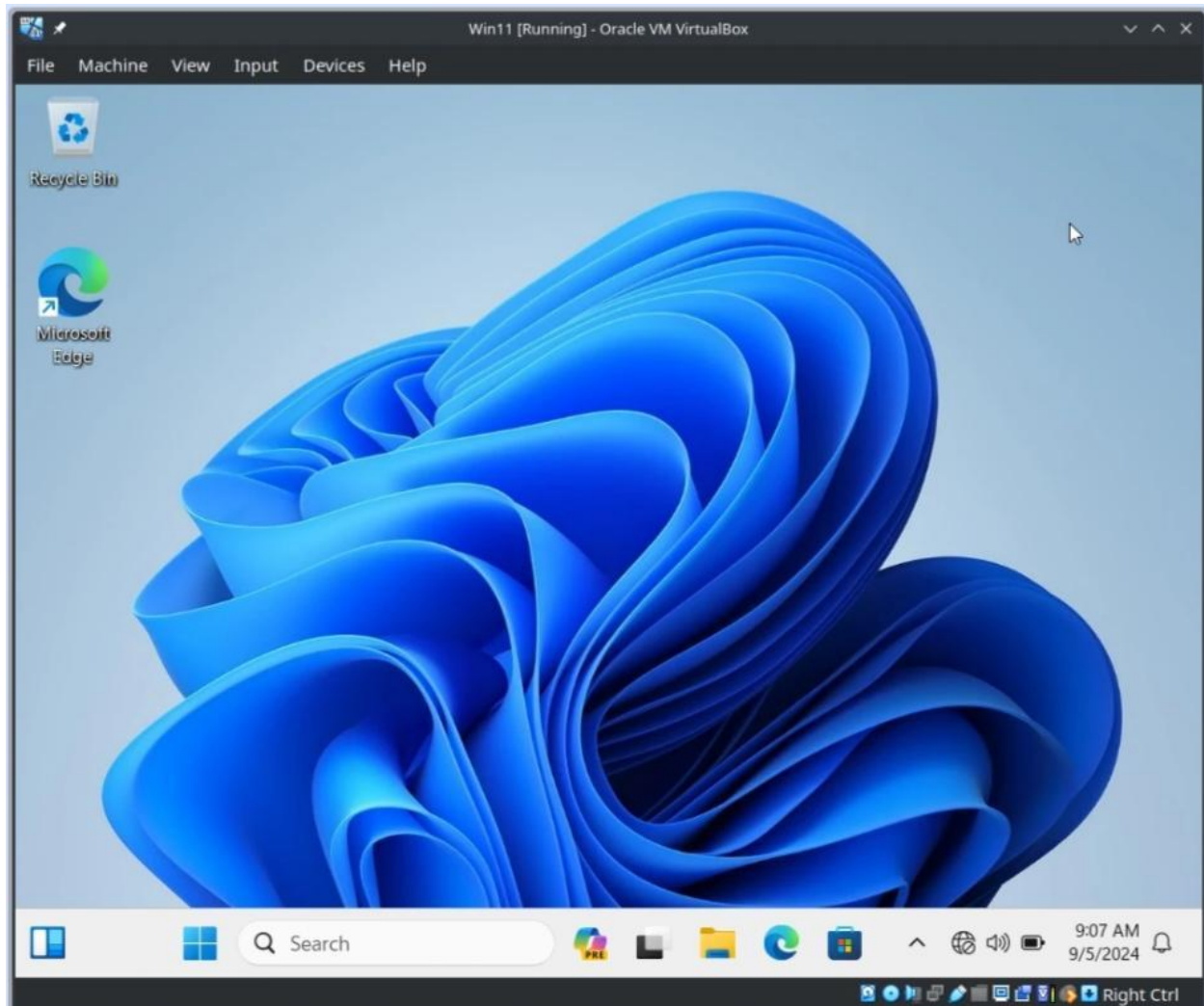
Download Windows 11 ISO

vboxStart Virtualbox

Install W11

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Setup W11



Run windows 11 using Virtual Box

Download Windows 11 ISO

Google-chrome Use a browser to download the Windows 11 ISO. Select Windows 11, followed by your preferred language, and then select 64-bit Download.

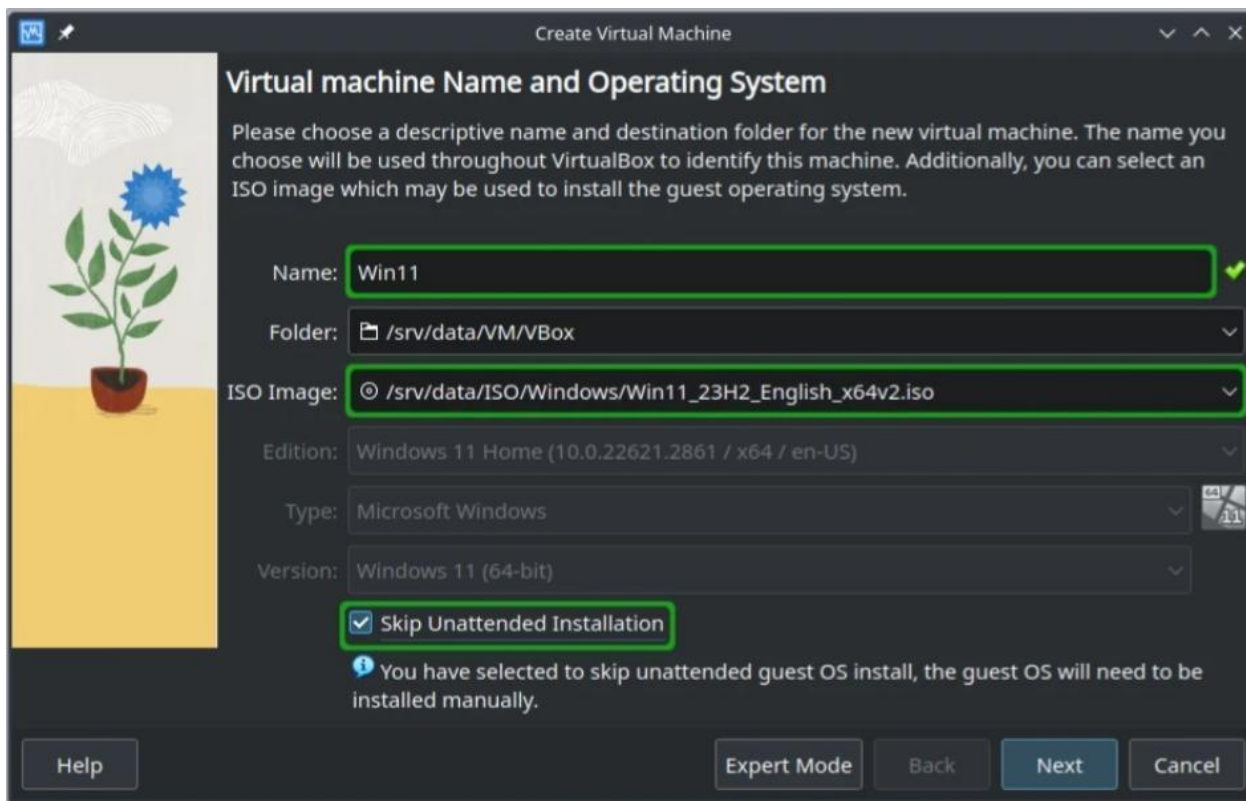
If you prefer, you can download a ready-made virtualbox image from Microsoft and skip the section on installing the ISO.

START VIRTUAL BOX

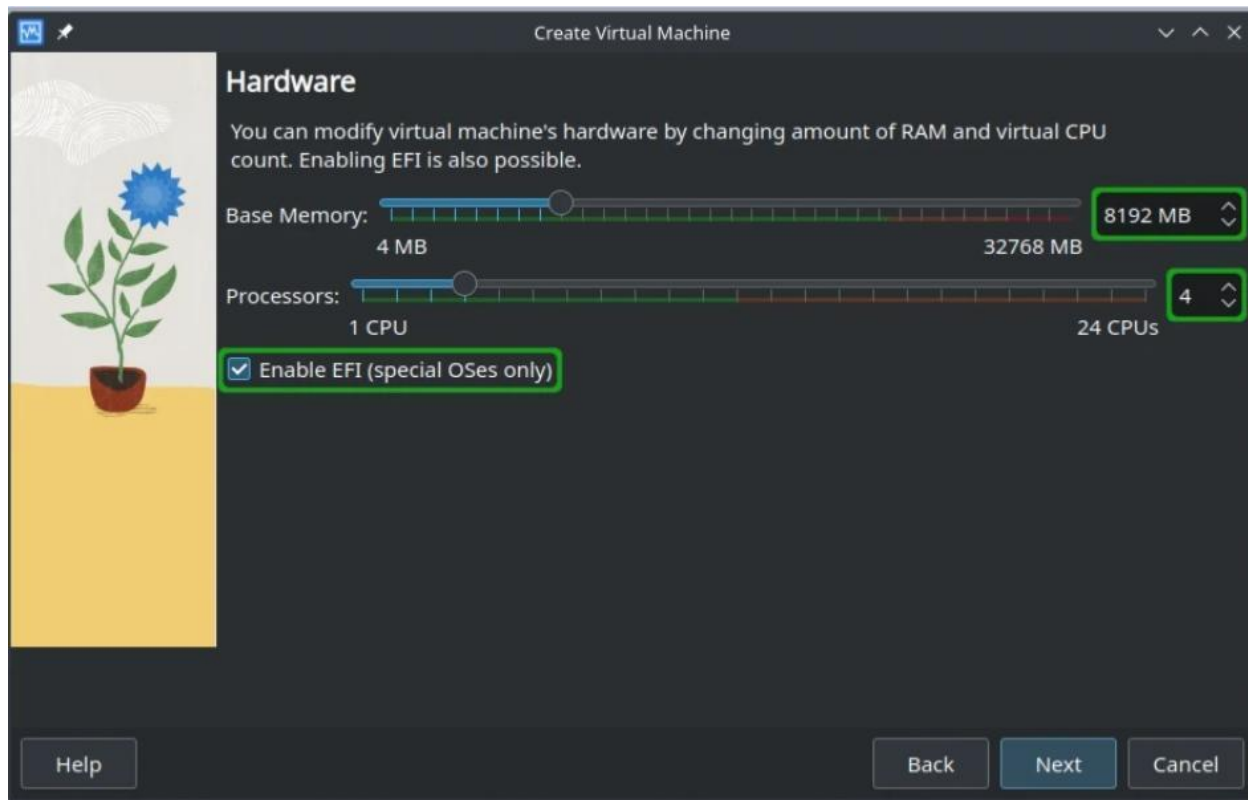
vbox Start VirtualBox and configure as illustrated below



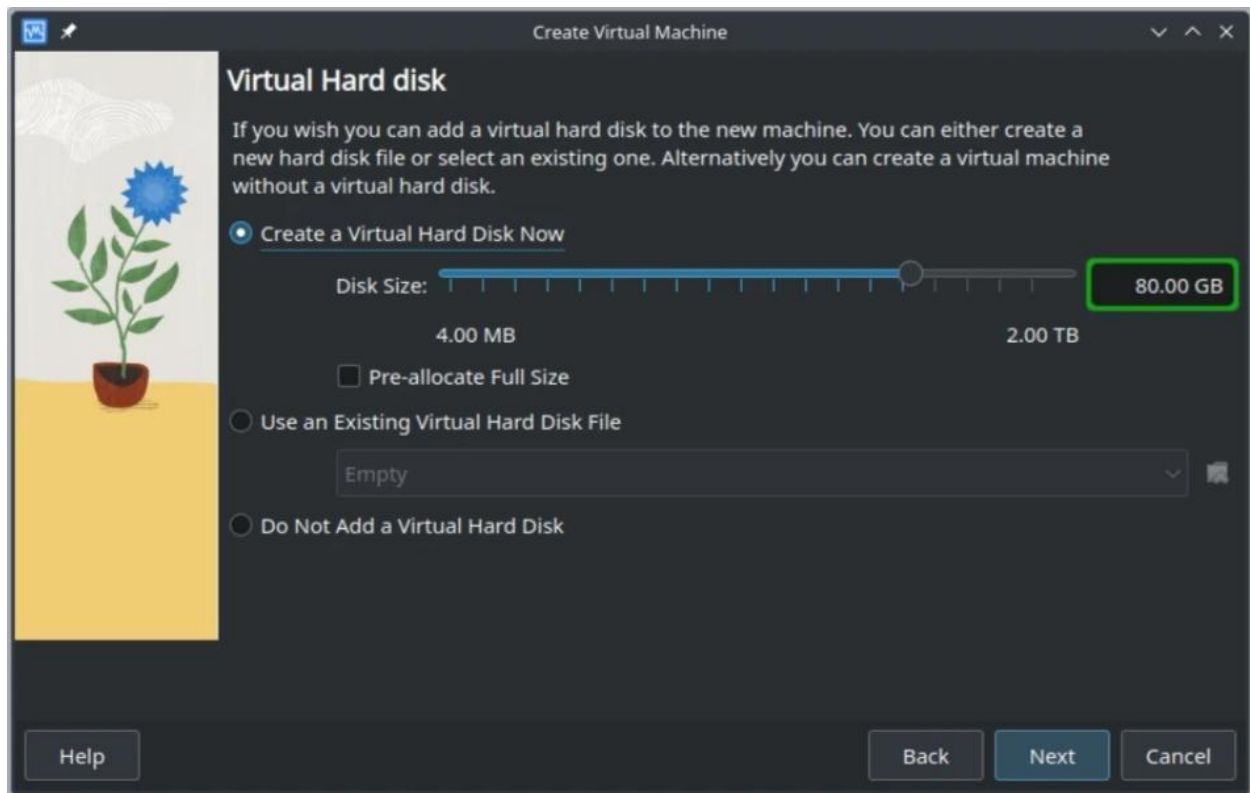
Step 1: Click New to create new VM



.Step 2: Set VM name, select the **Windows** 11 ISO, and skip unattended installaton

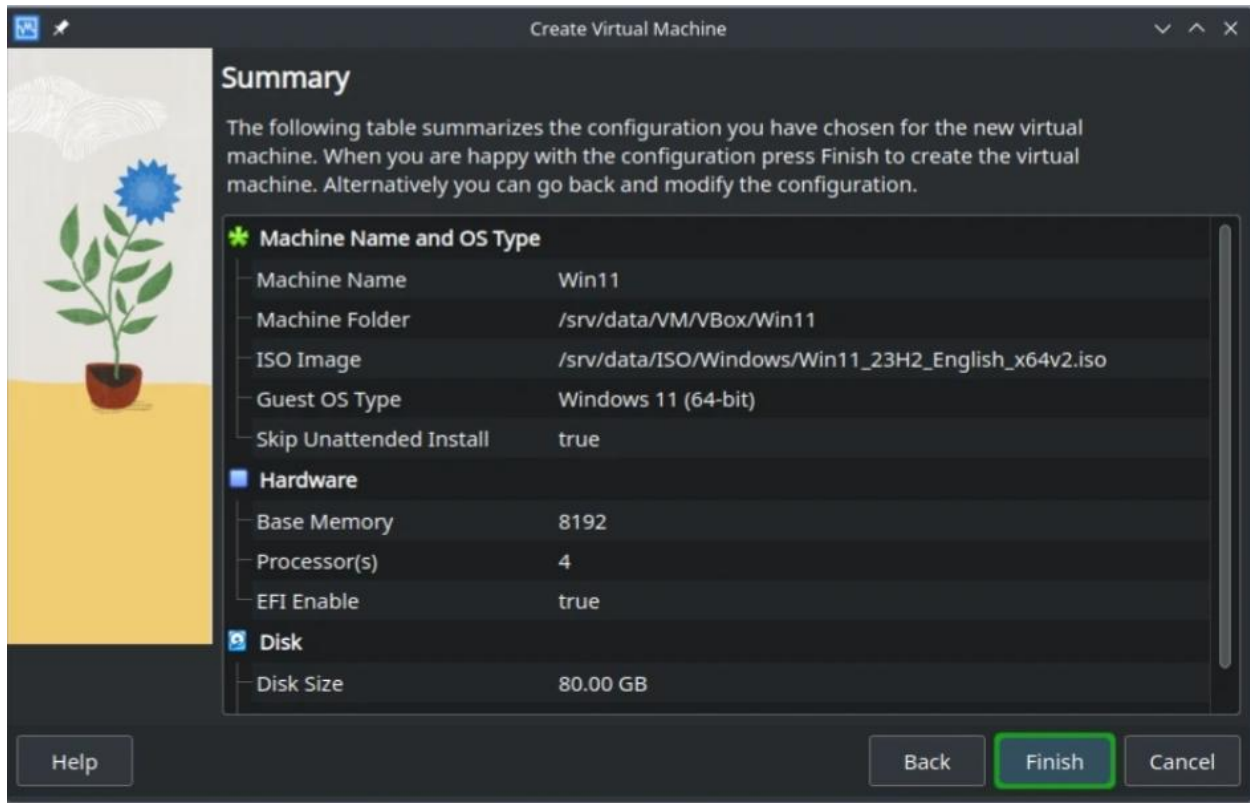


Step 3: Set 'Base Memory' to at least 8192 MB, set 'Processors' to at least 4, and check 'Enable EFI (special OSes only)'.

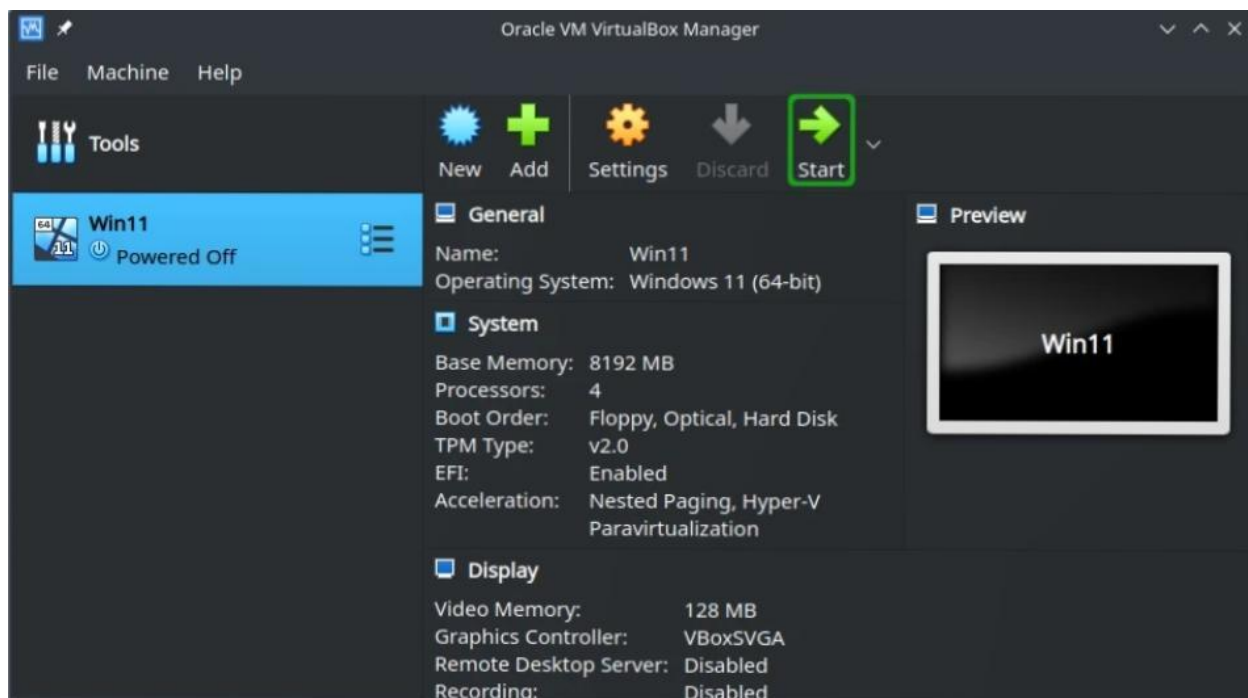


Step 4: Set 'Disk Size' to 80 GB or more.

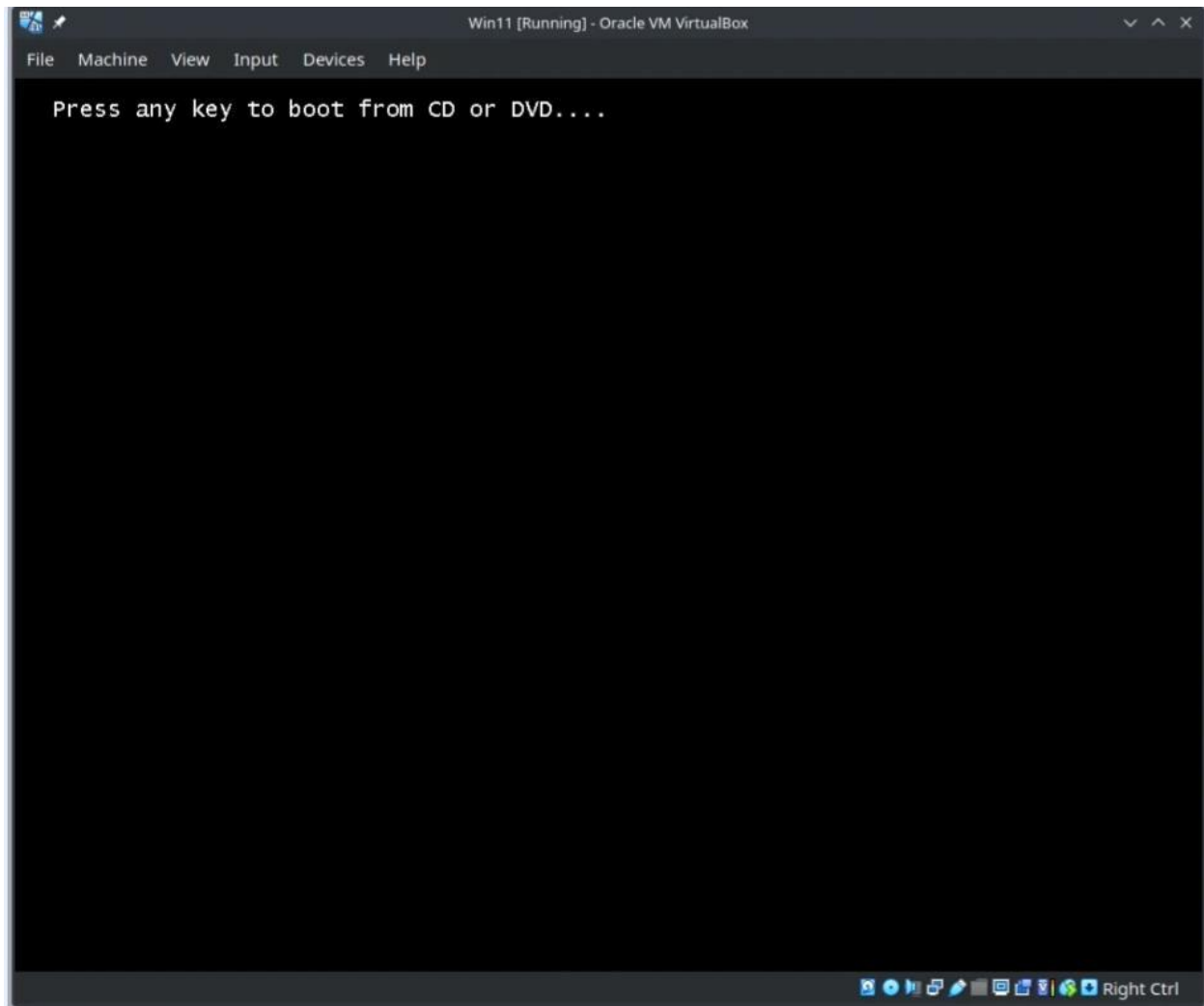
Step 5: Review settings and click 'Finish' to create the VM



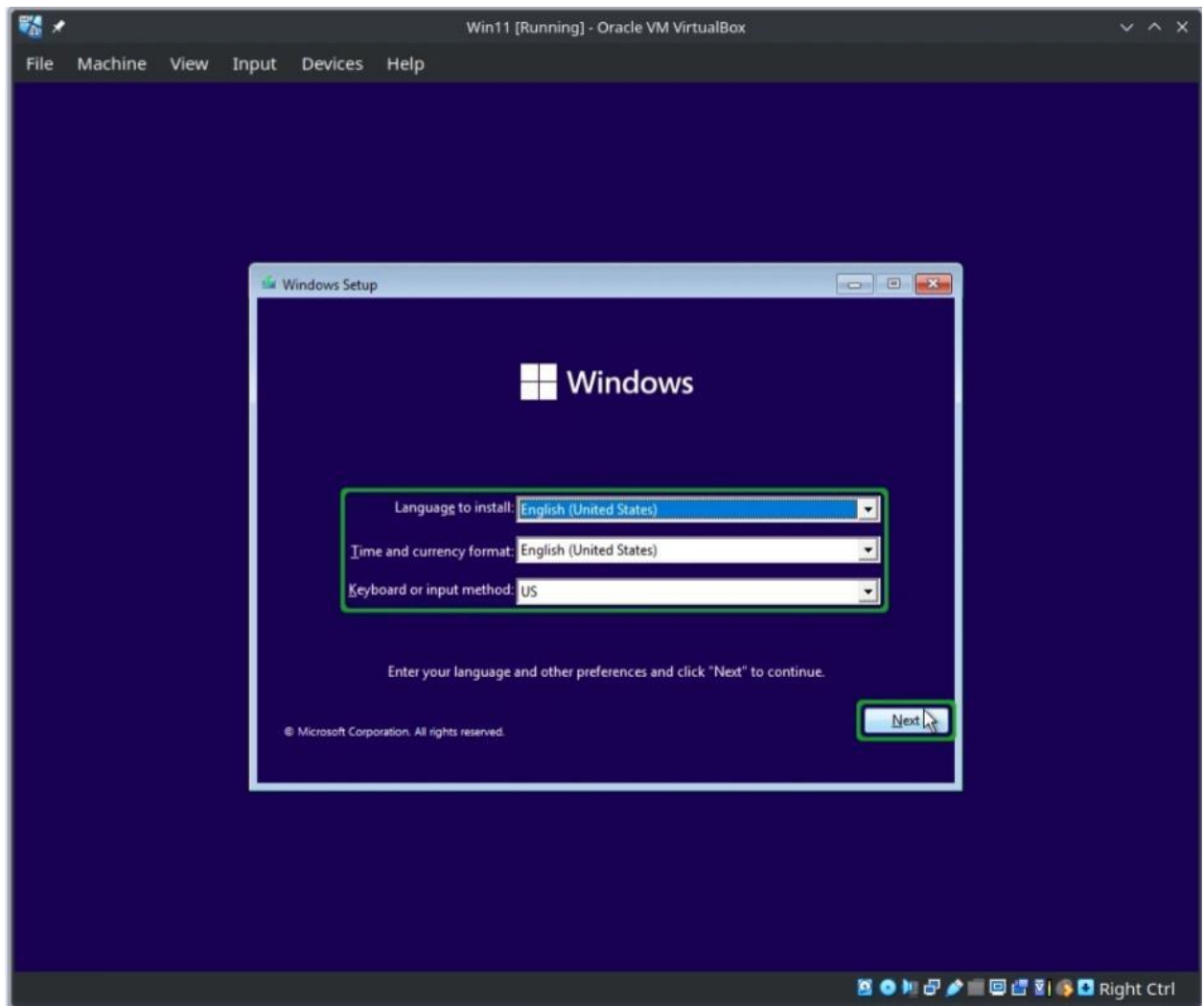
Step 6: Click 'Start' to boot the VM and begin installation.



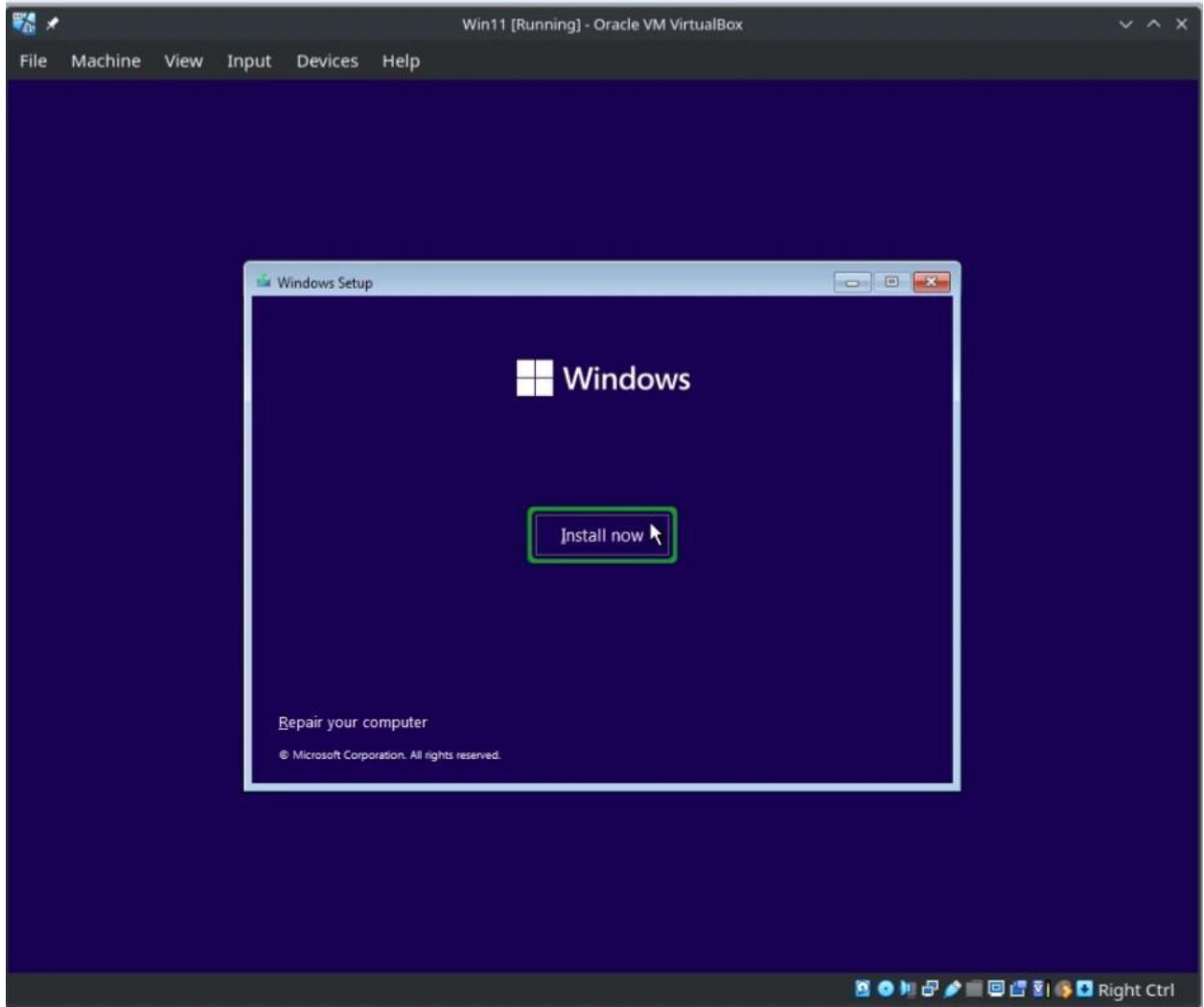
INSTALL WINDOWS 11



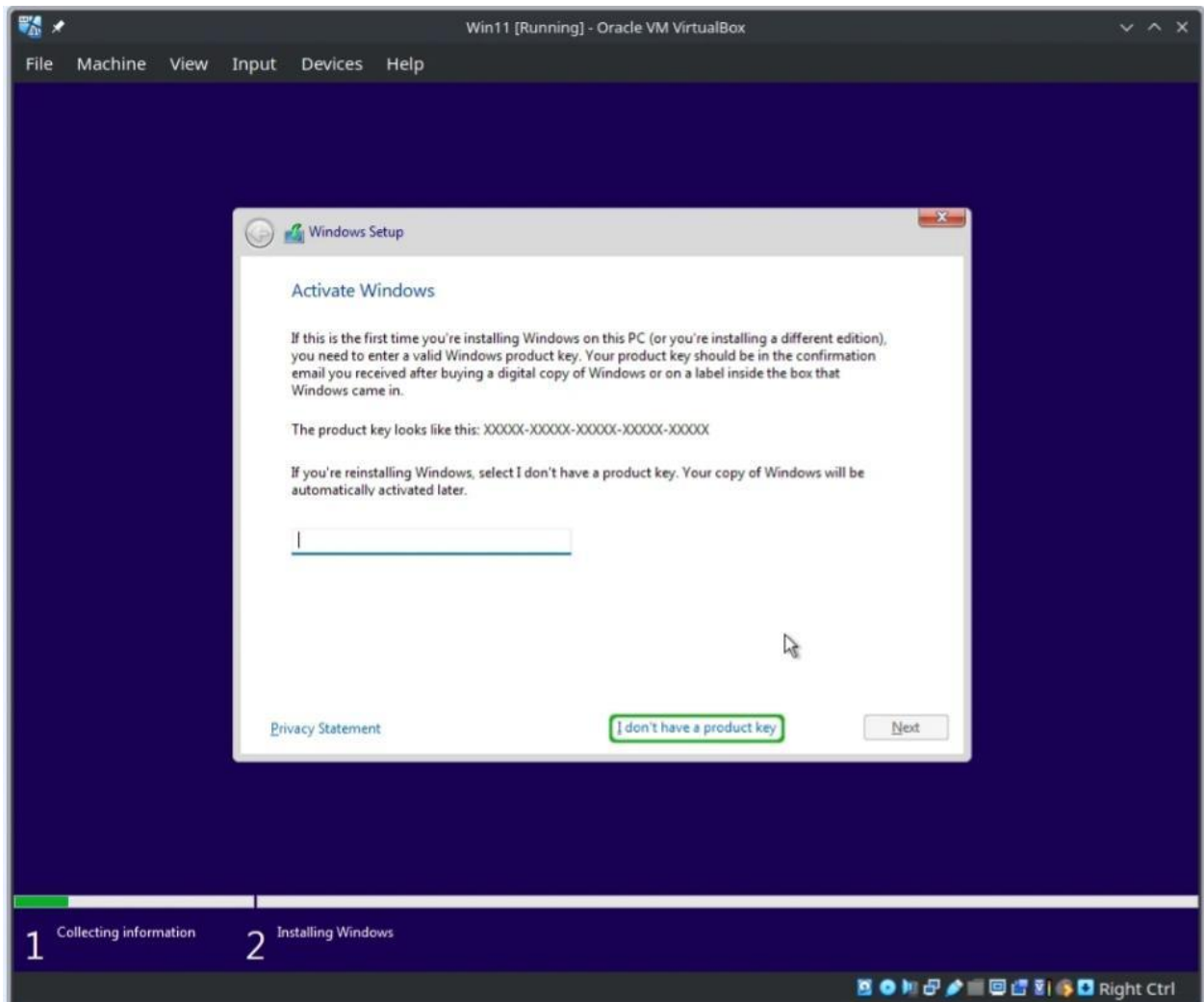
Step 1: Press any key when prompted to boot the Windows 11 ISO.



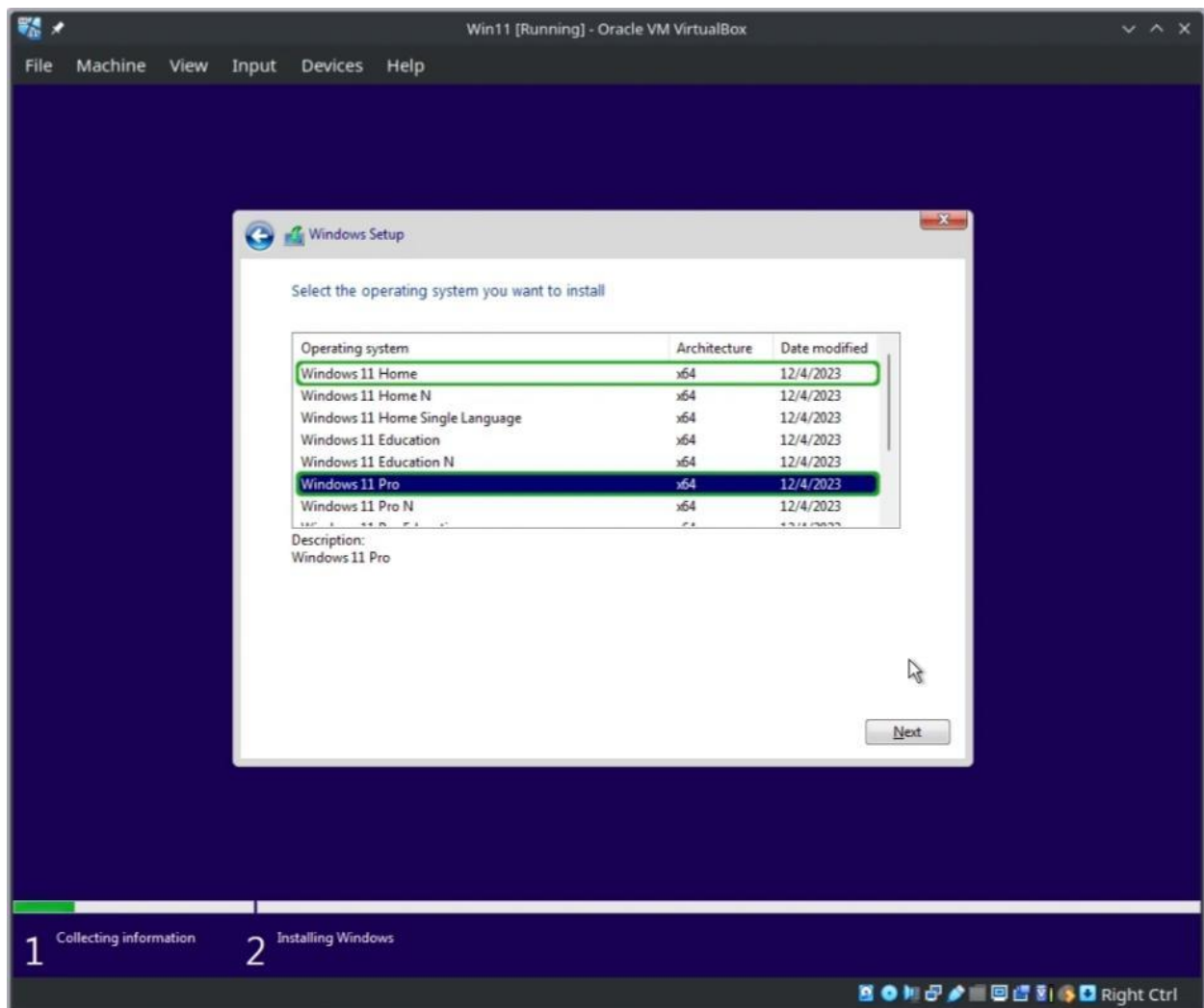
Step 2: Select language and keyboard preferences, then click 'Next'.



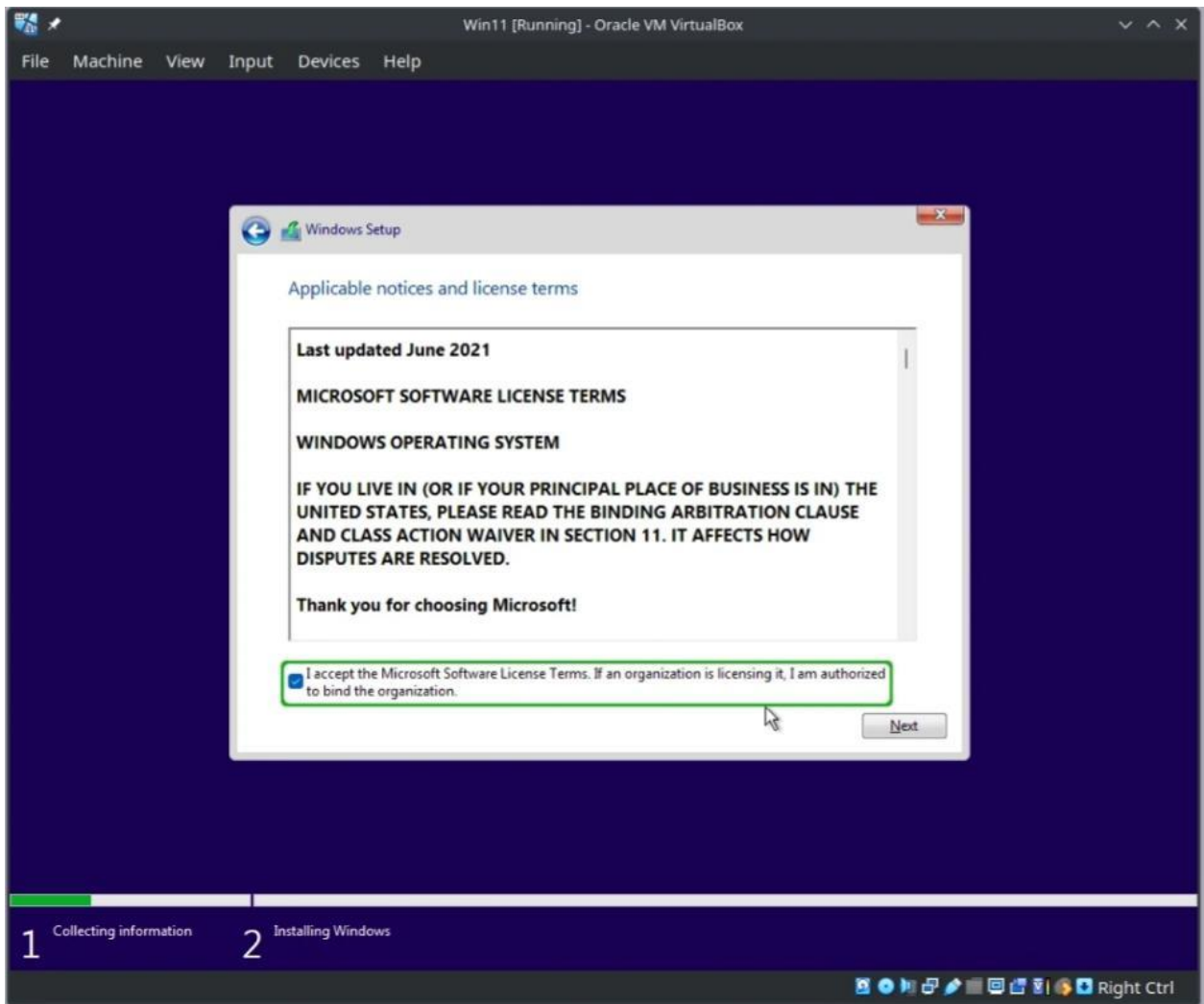
Step 3: Click 'Install now'.



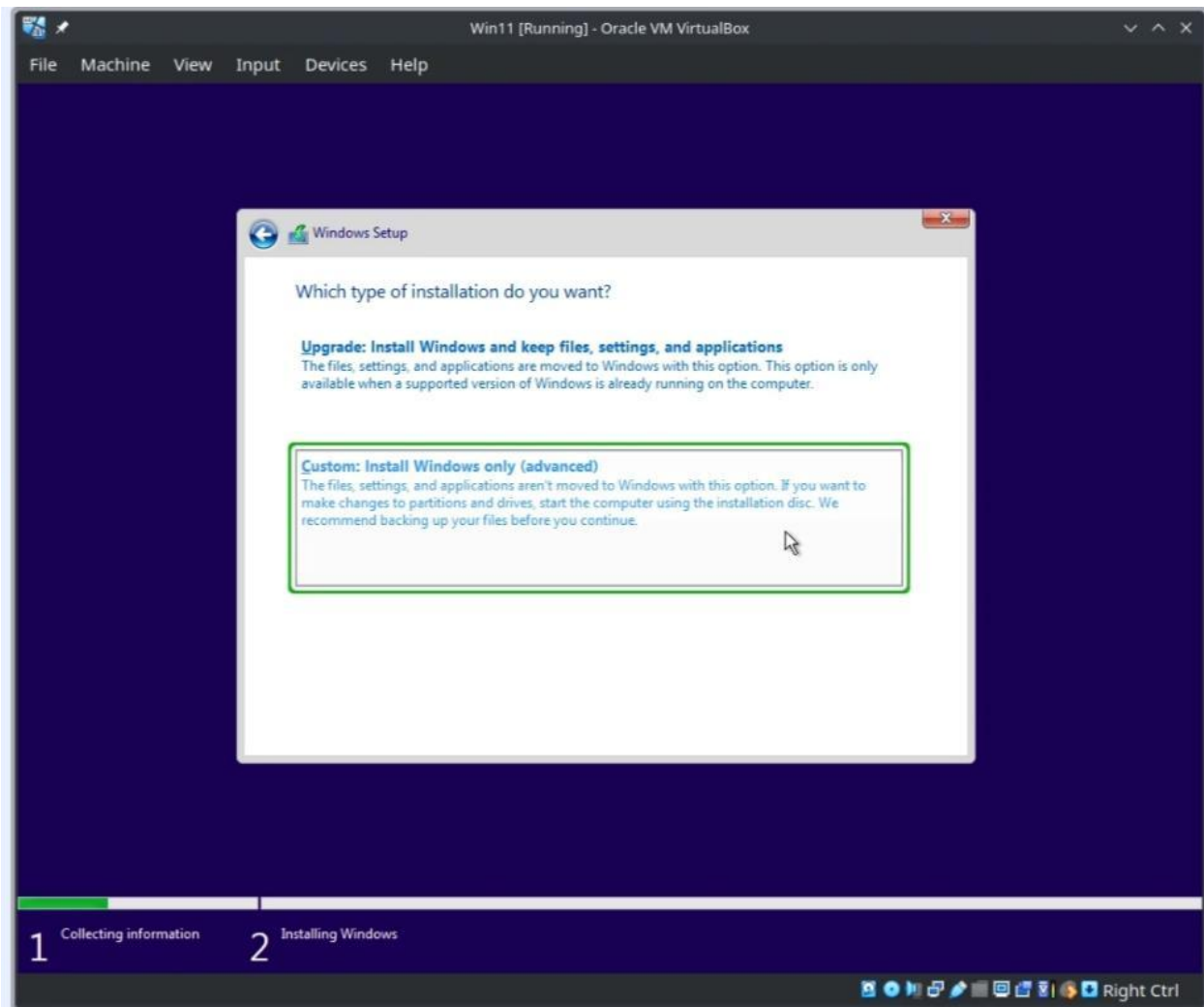
Step 4: Click 'I don't have a product key.' You may activate your chosen edition of Windows later.



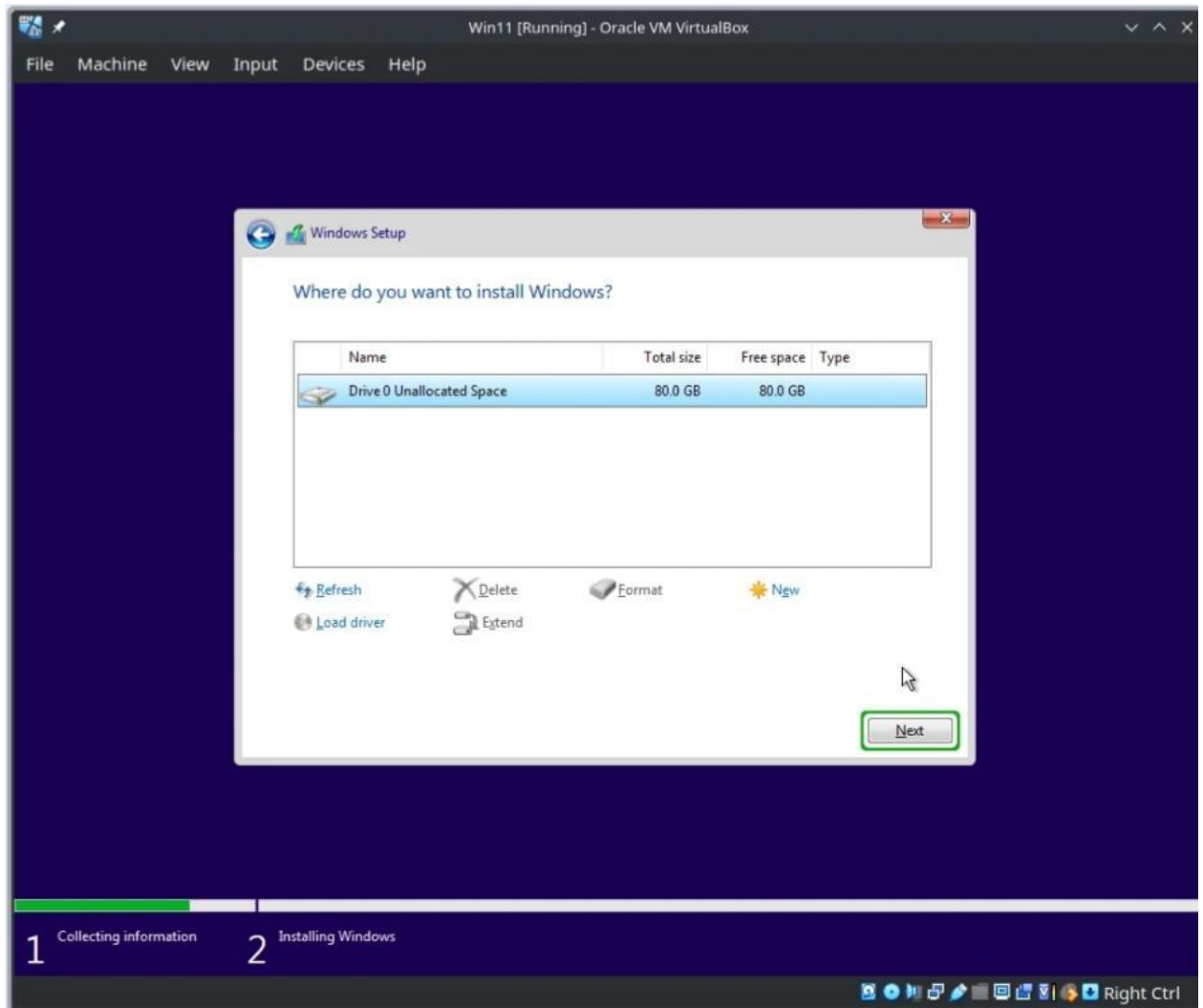
Step 5: Select an edition of Windows to install. Home and Pro are the two most common choices.



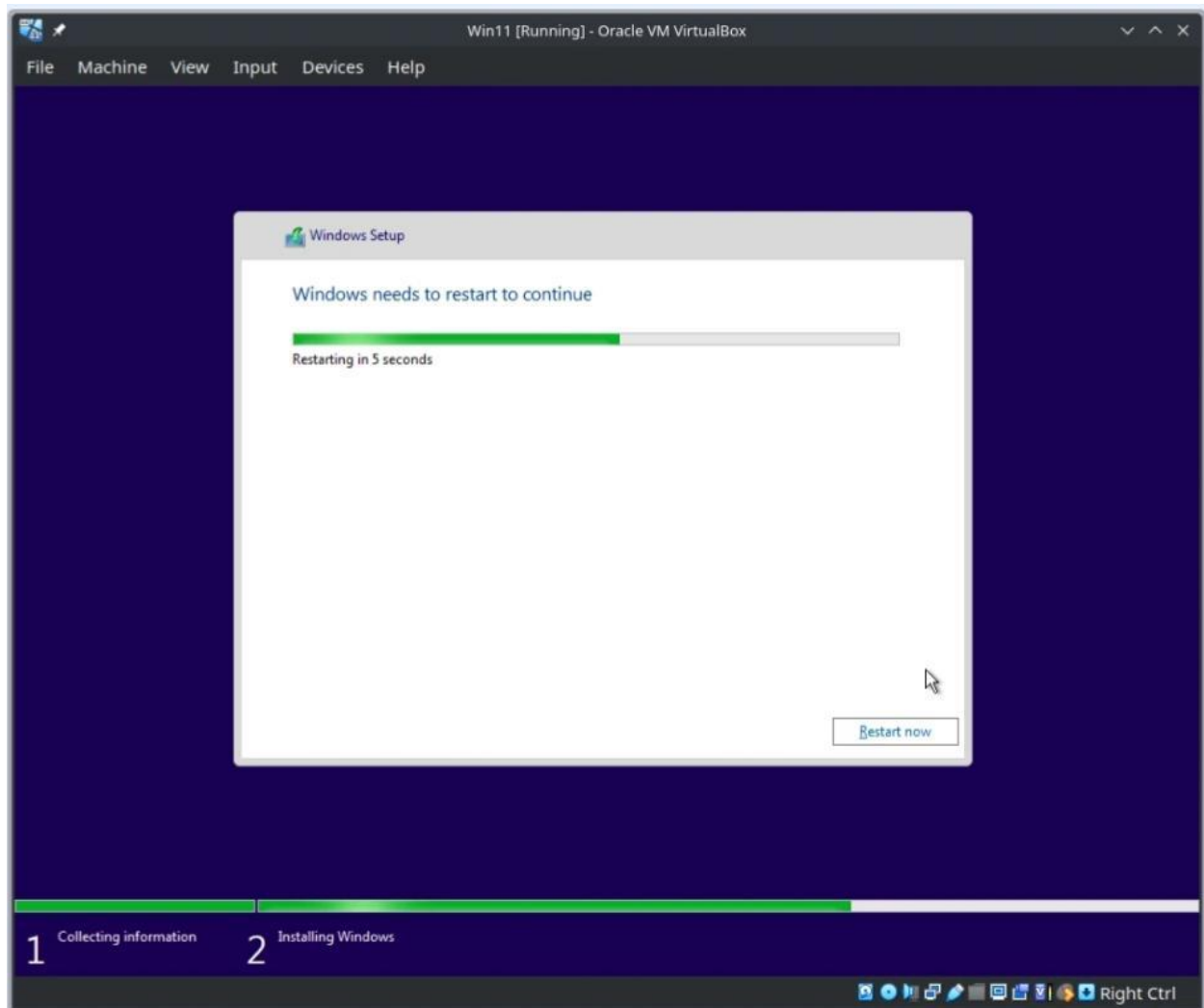
Step 6: Read and accept the Windows End User License Agreement.



Step 7: Click 'Custom: Install Windows only (advanced)'.



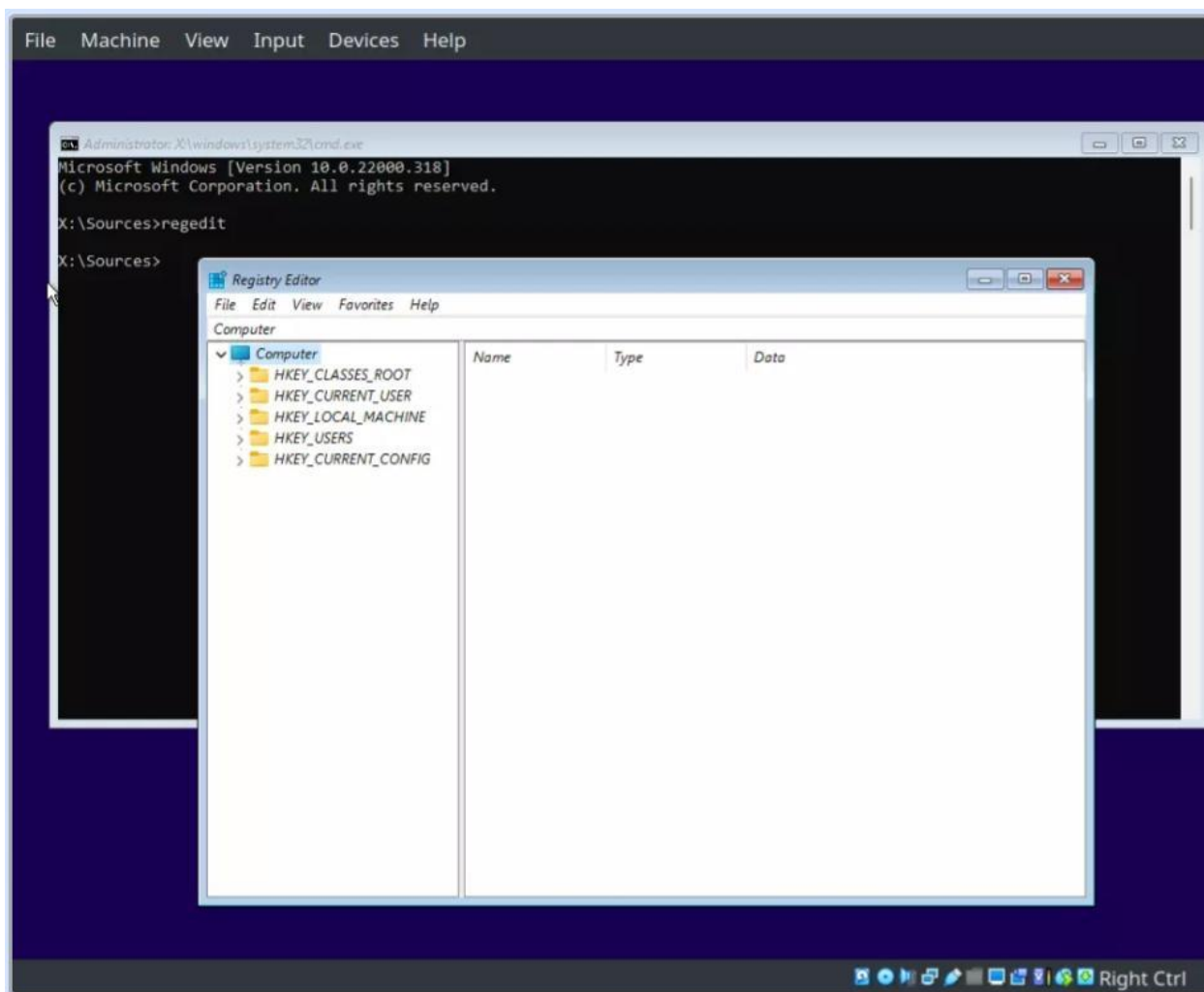
Step 8: Click 'Next' on the partitioning screen to accept the defaults



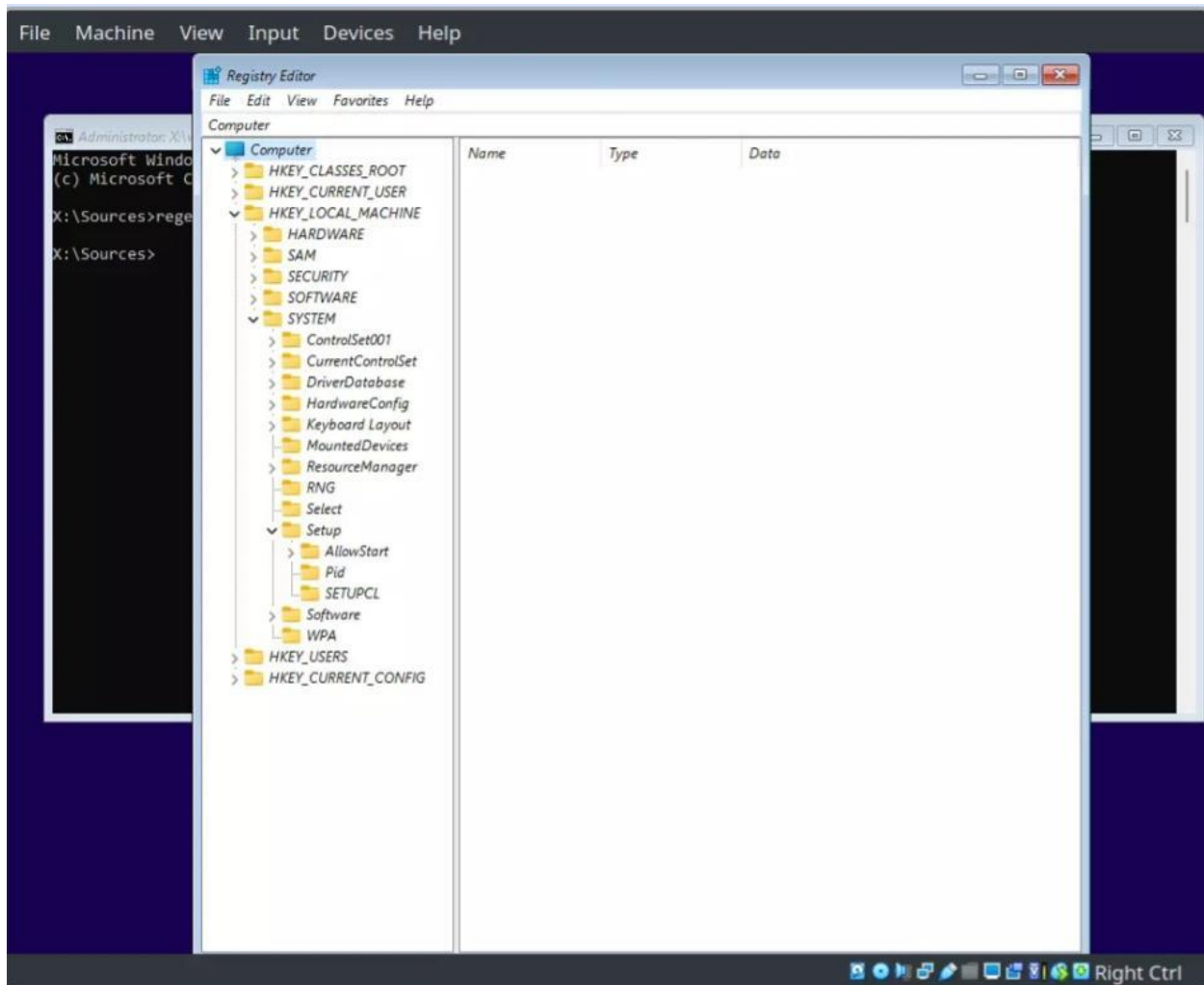
Step 9: Wait until the VM automatically restarts

Bypass W11 Hardware Requirements

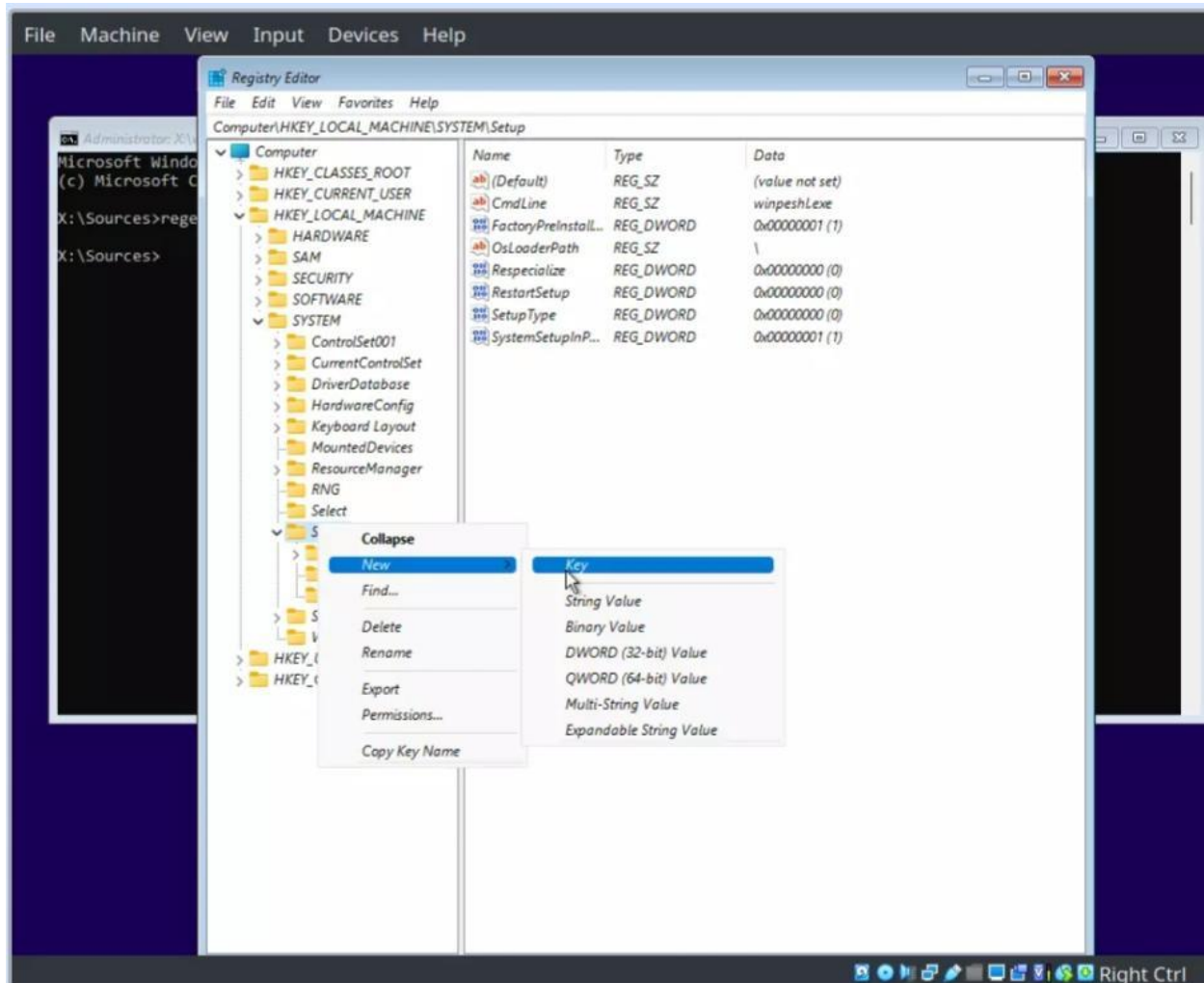
If you are using Kubuntu 24.04 (Jammy), you may be told that the VM does not meet Windows 11's hardware requirements during the installation process. This is due to the older version of VirtualBox shipped with Kubuntu 22.04. If this happens, you can bypass the hardware requirements to continue with the installation.



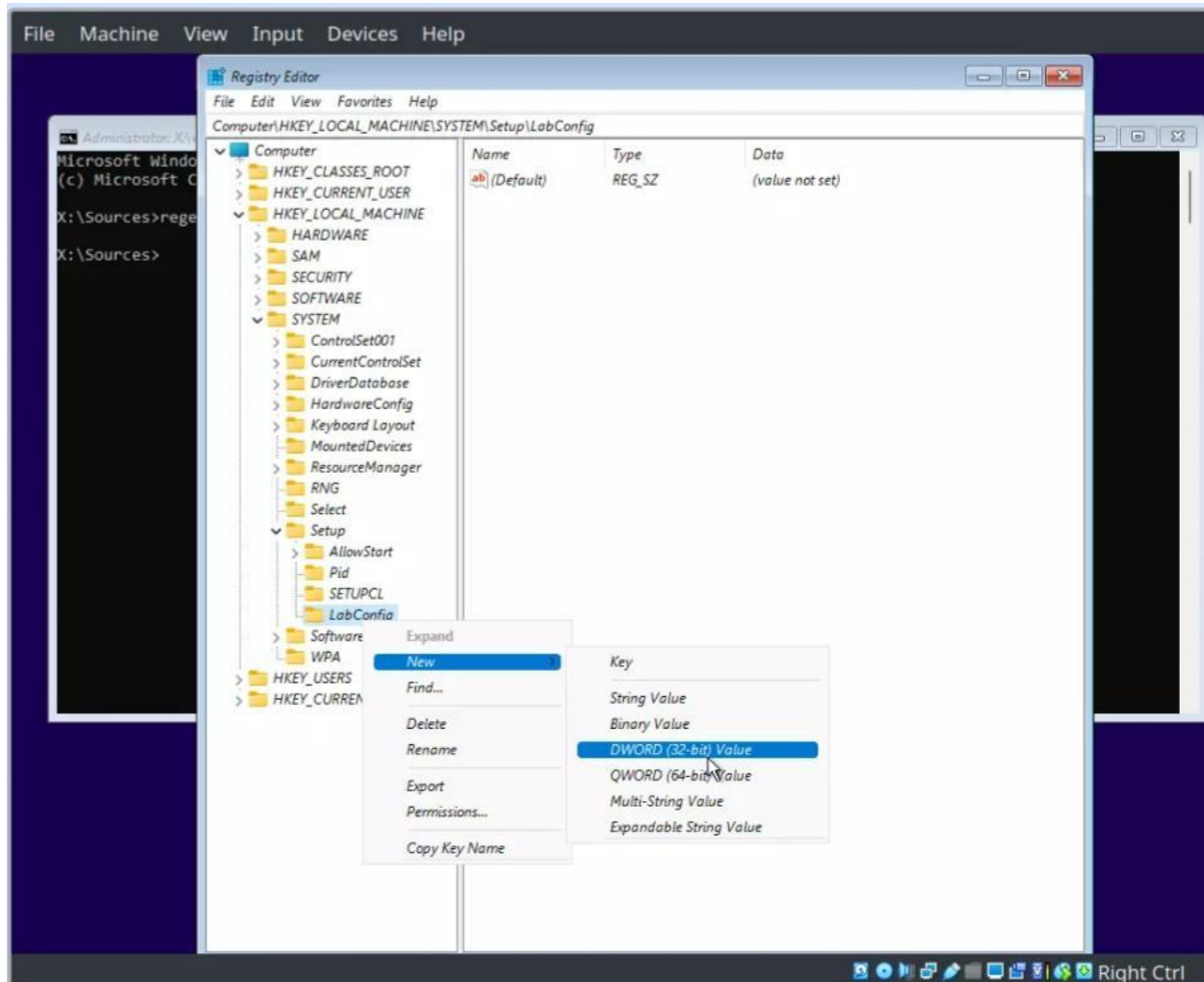
Step 1: Upon reaching the 'Activate Windows' screen (step 4 of Install W11), press [SHIFT][F10] to open a terminal window, then run 'regedit'. You may need to press the 'Back' button to get here if you've already hit the hardware requirements error.



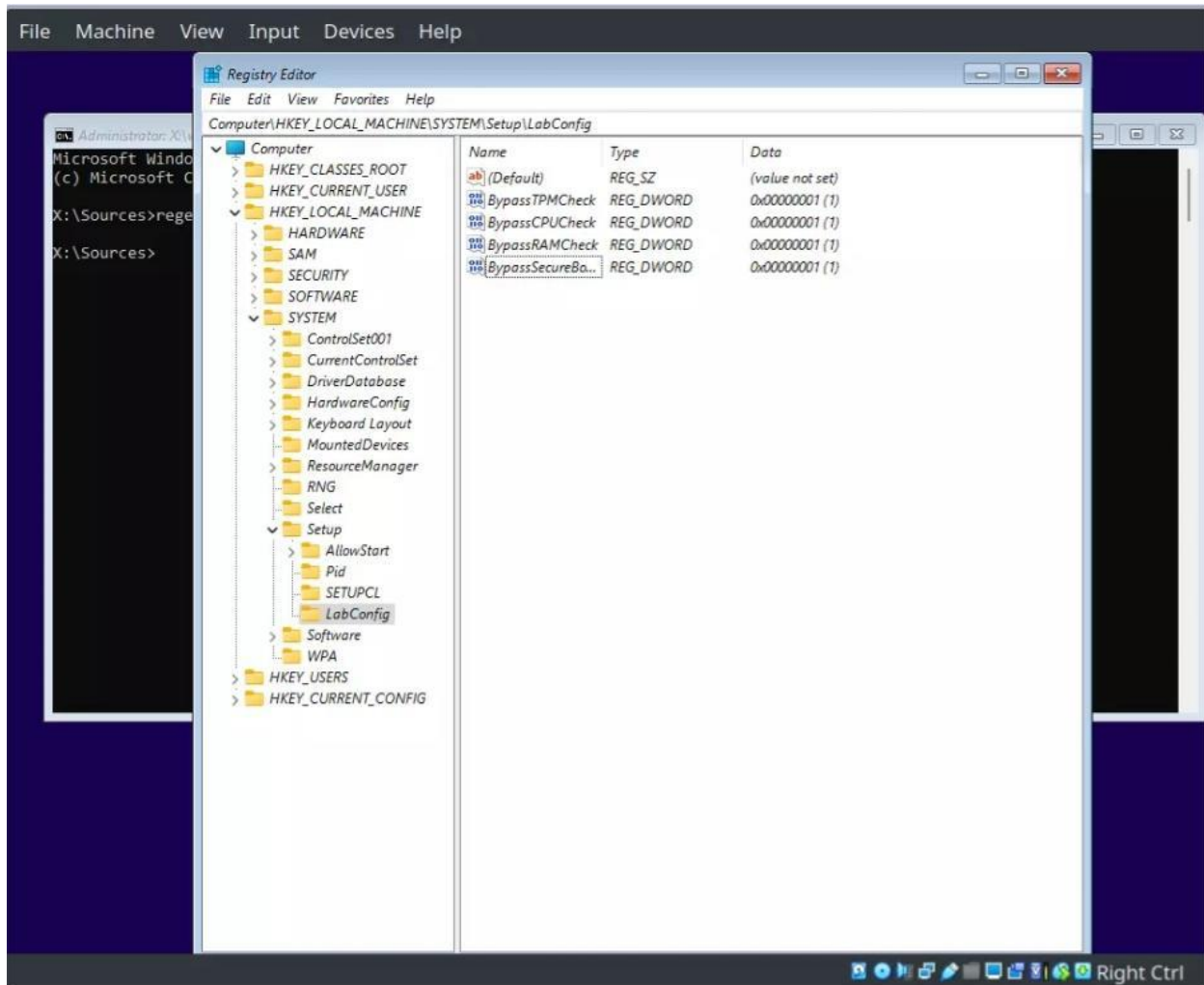
Step 2: Navigate to the HKEY_LOCAL_MACHINE\SYSTEM\Setup key



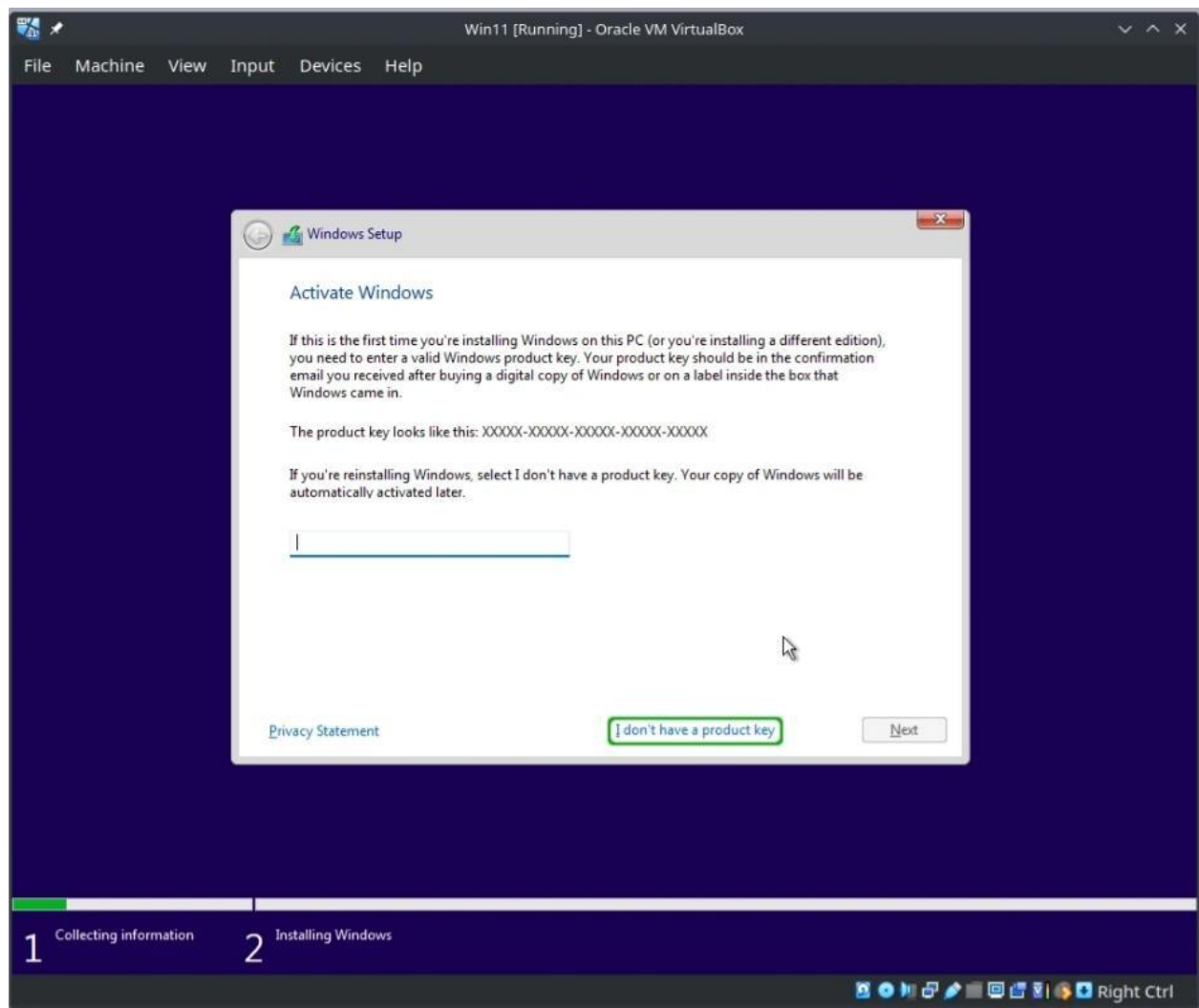
Step 3: Right-click the 'Setup' key and click New > Key, then name the new key 'LabConfig'.



Step 4: Right-click the 'LabConfig' key you just made, then click New > DWORD (32-bit) Value. Name the new value 'BypassTPMCheck' and set its value to '1'.

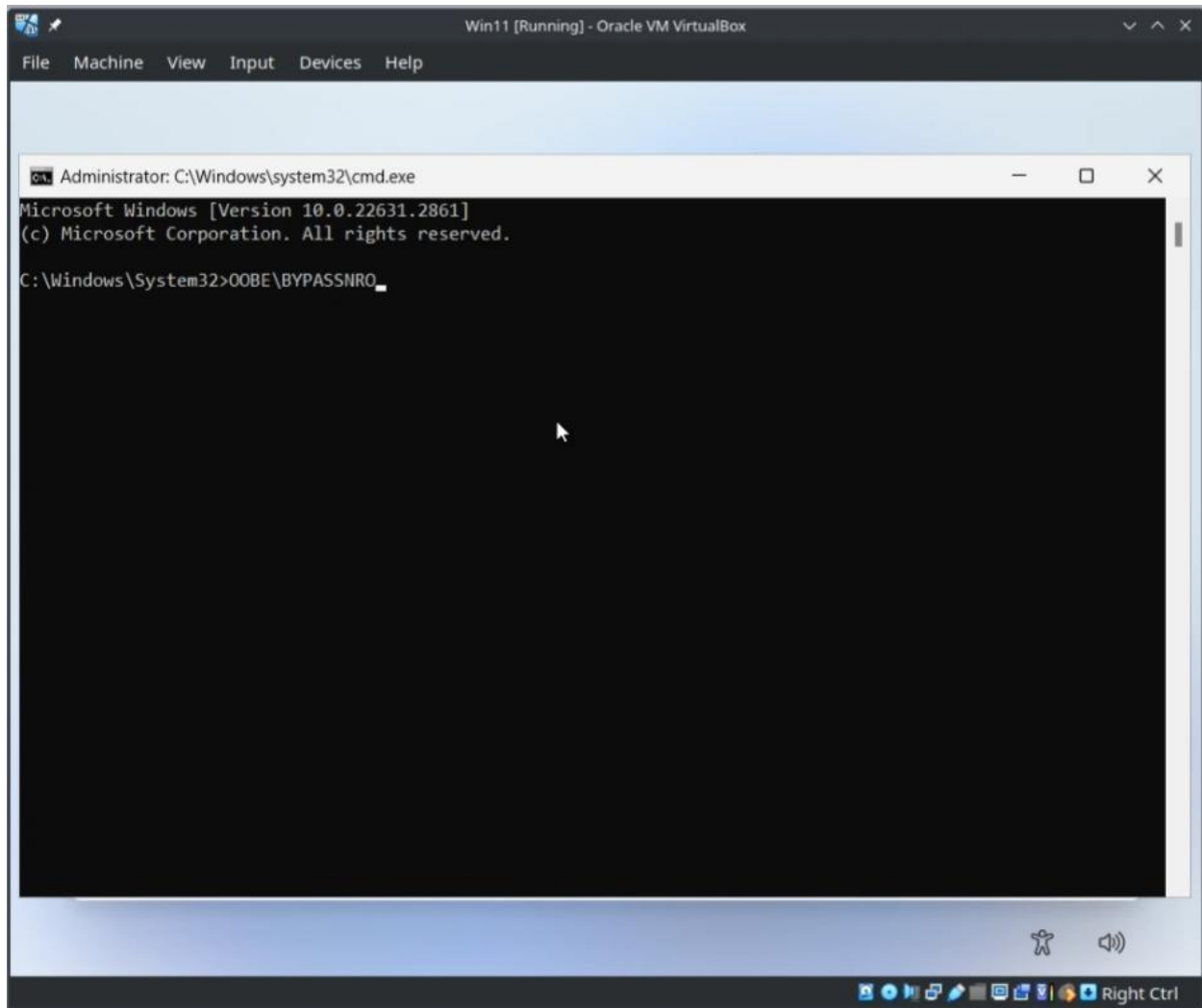


Step 5: Create three more DWORD values, named 'BypassCPUCheck', 'BypassRAMCheck', and 'BypassSecureBootCheck'. Set each of these values to '1'.

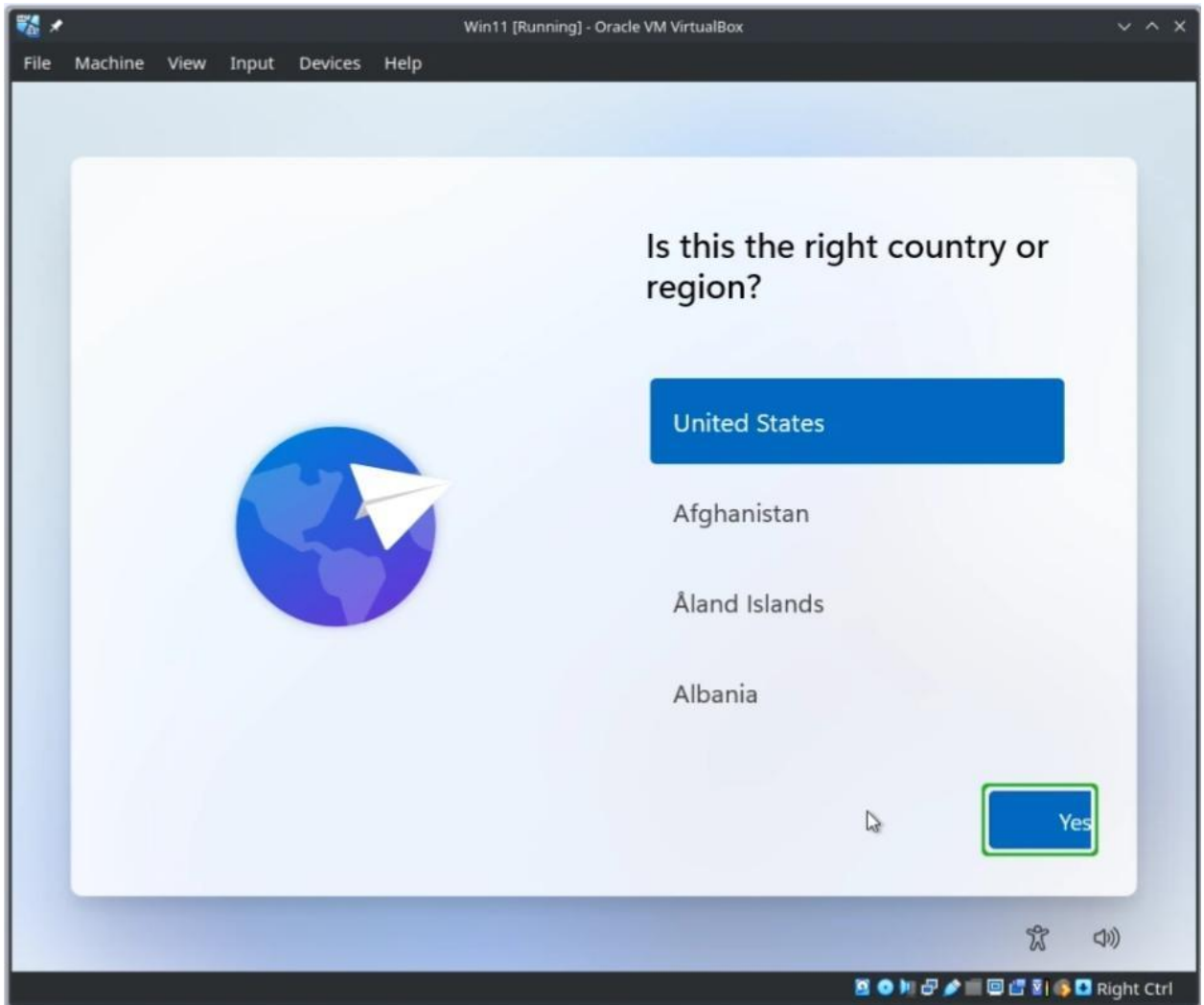


Step 6: Close Registry Editor, then resume the Install W11 procedure starting from step 4. You should now be allowed to proceed with the installation.

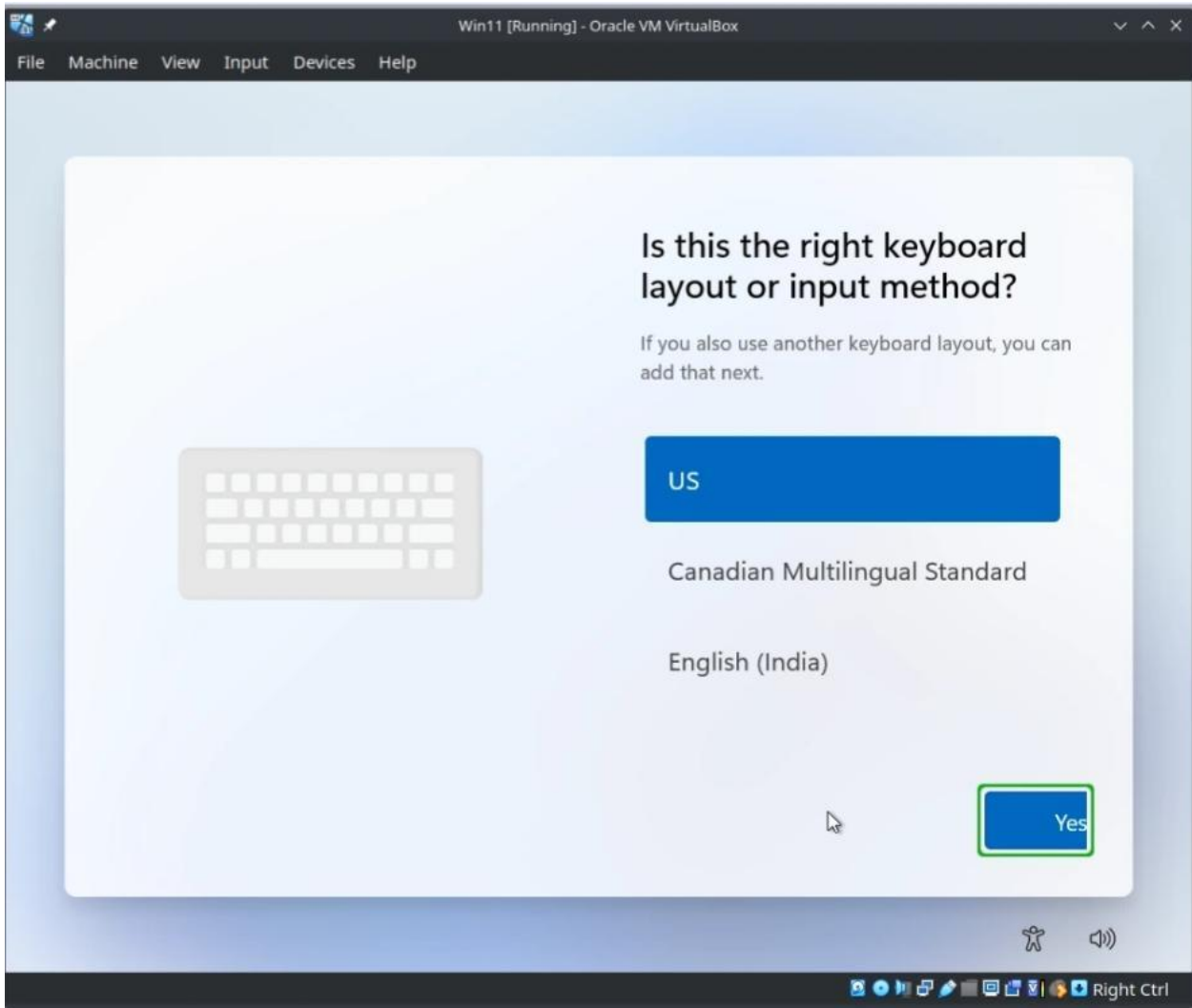
SETUP WINDOWS 11



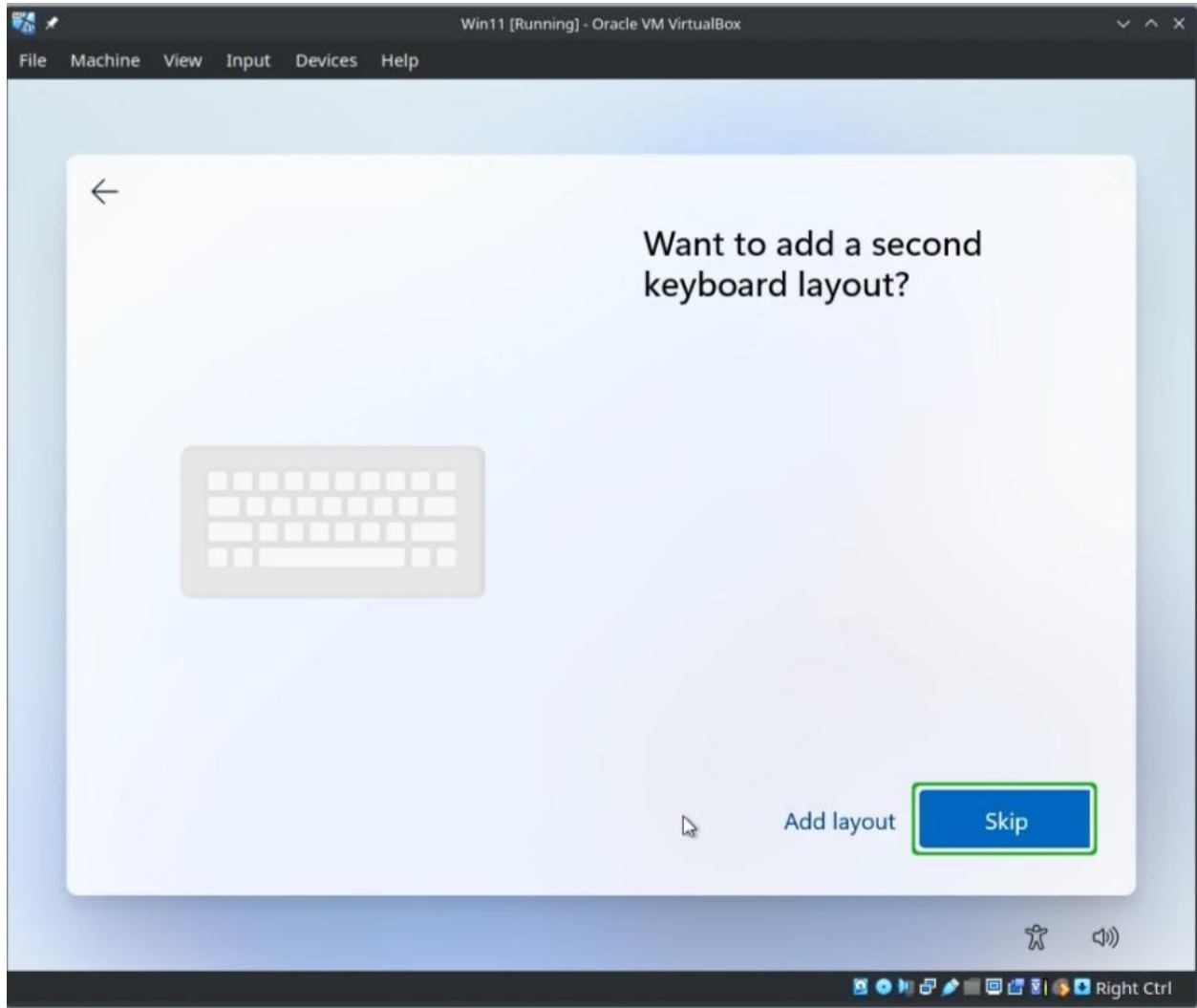
Step 1: Press Shift+F10 to open a terminal, and run 'OOBE\BYPASSNRO'. This will bypass needing a Microsoft account. The VM will reboot automatically.



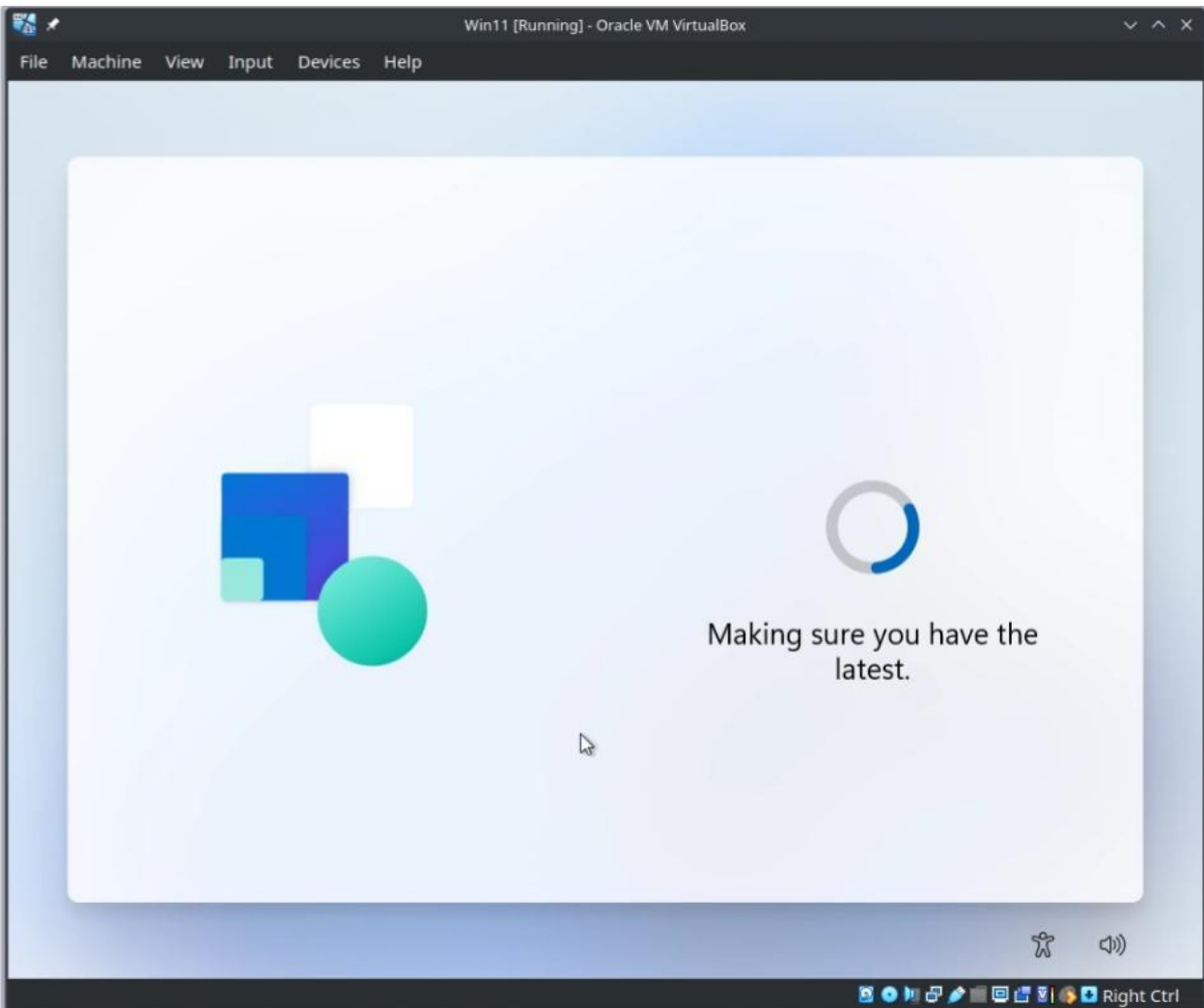
Step 2: Select your country and click 'Yes'.



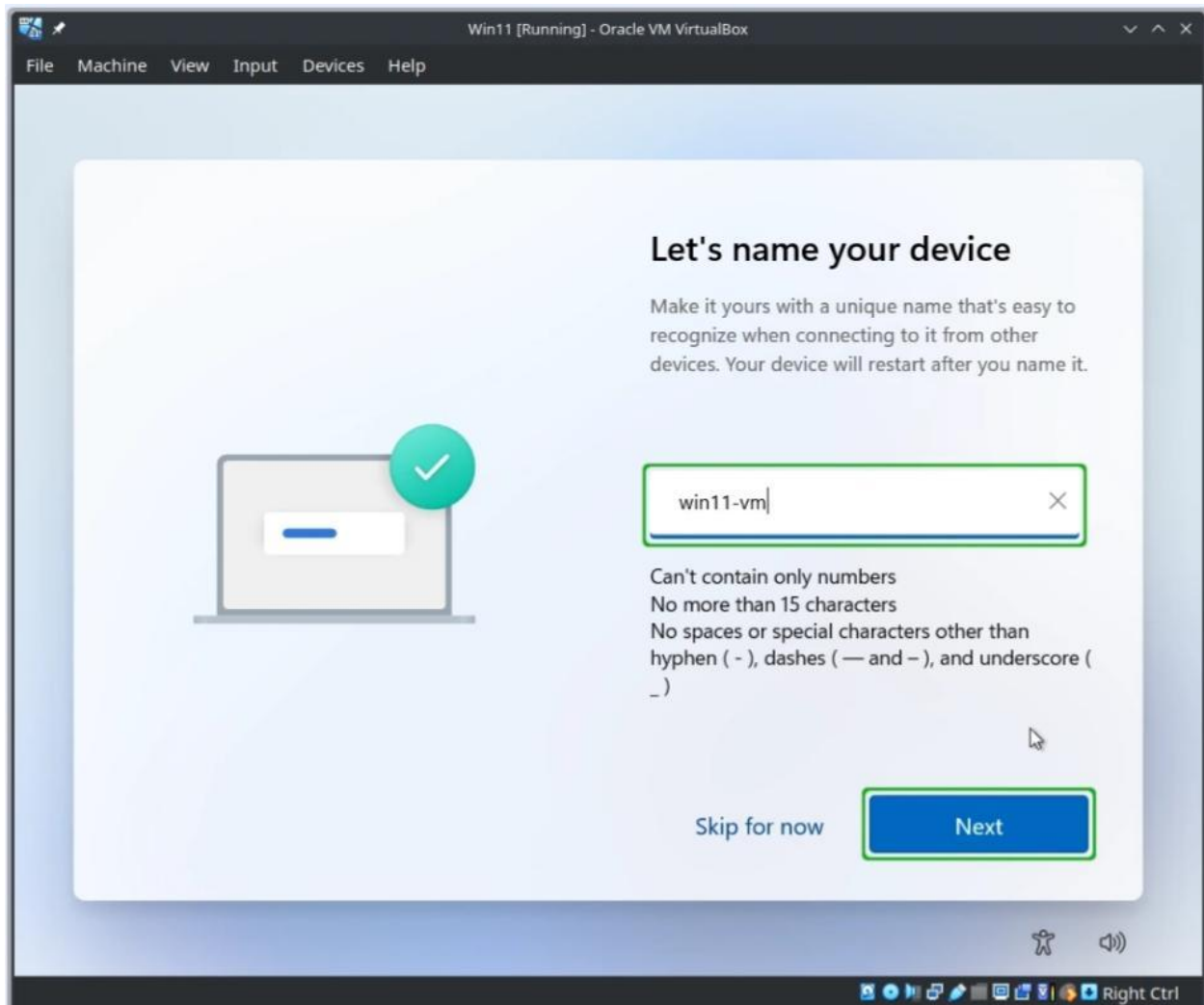
Step 3: Select your keyboard layout and click 'Yes'.



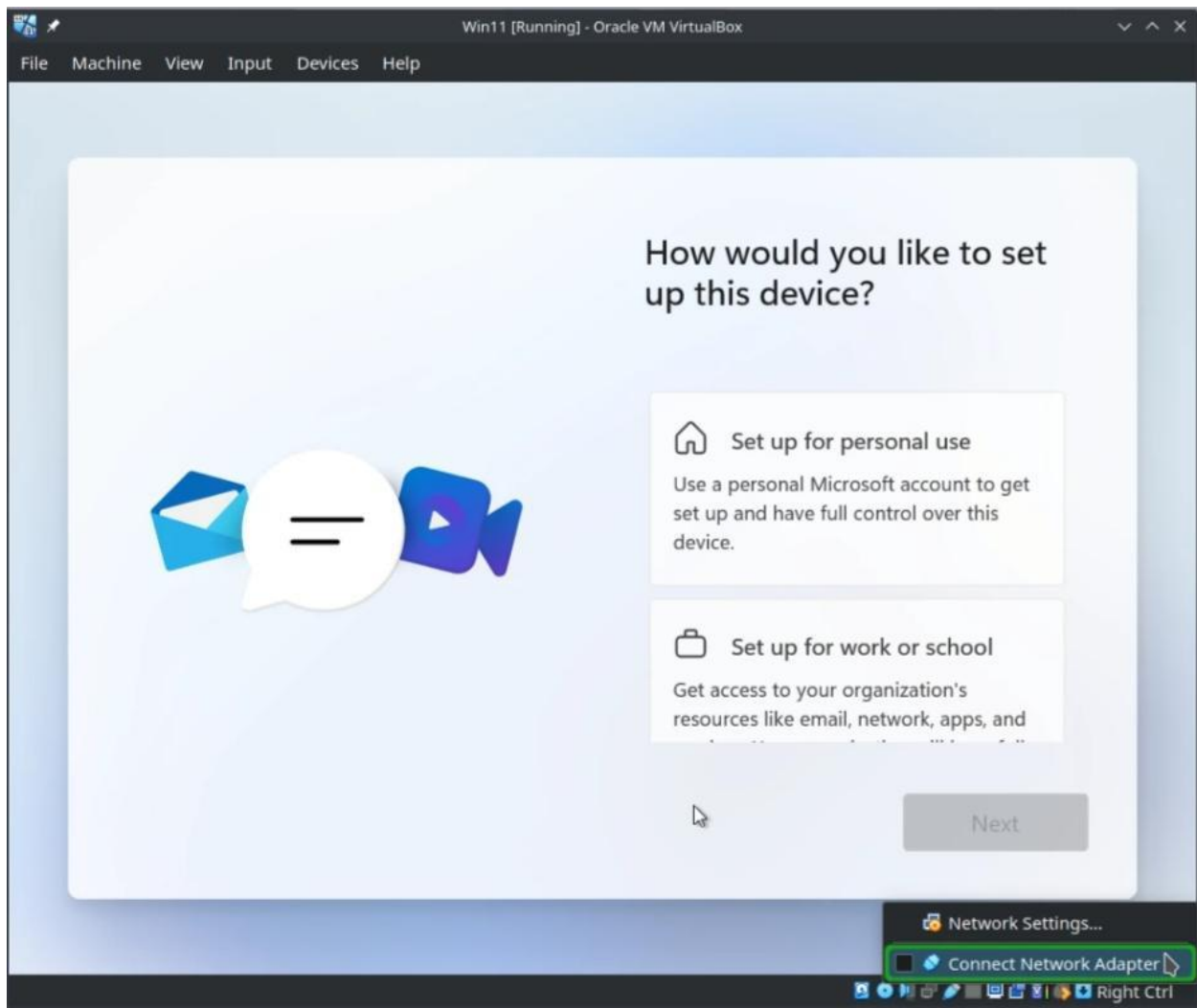
Step 4: Skip adding a second keyboard layout. You can enable additional layouts if needed.



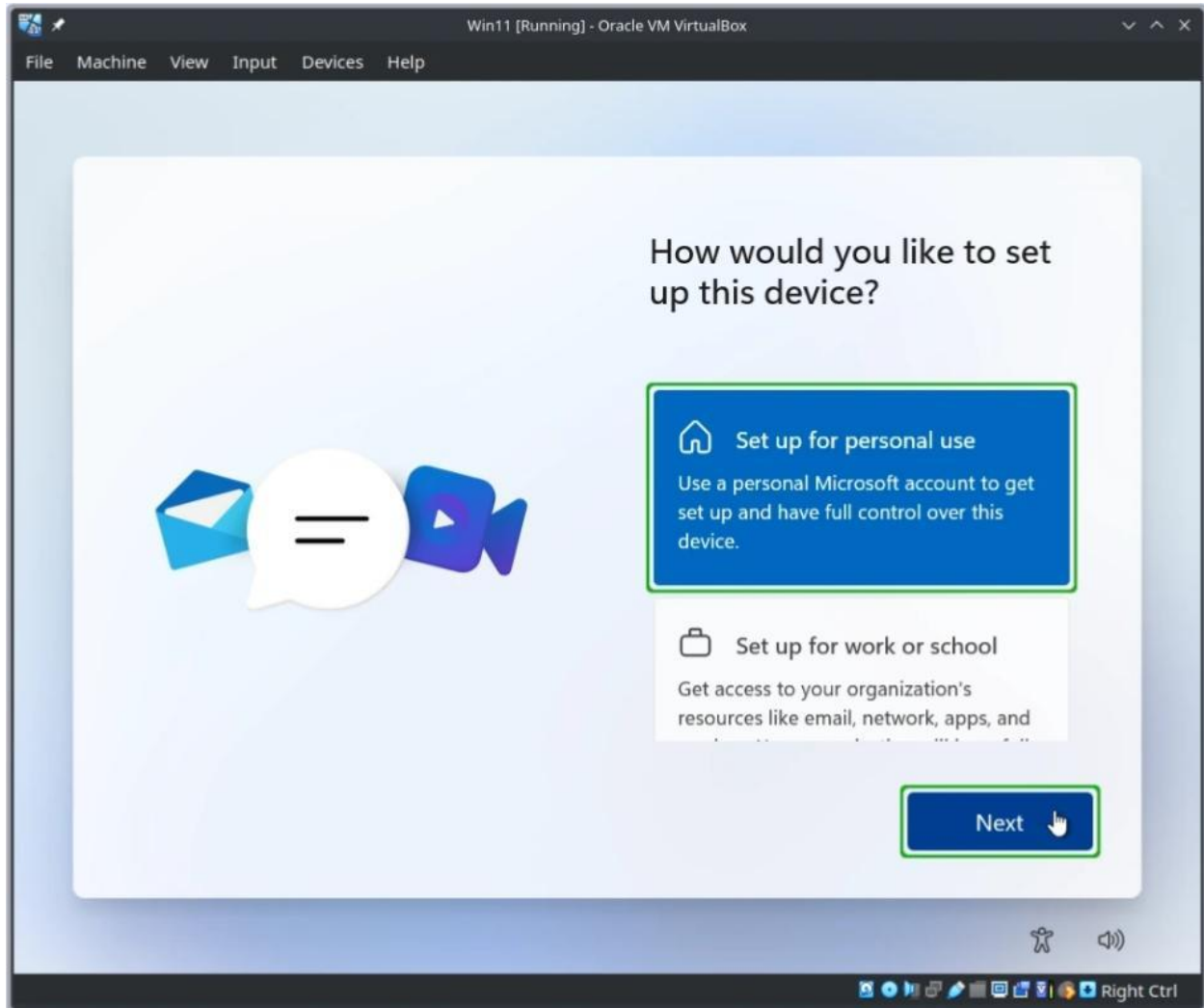
Step 5: Wait for updates to be installed. The VM will automatically reboot.



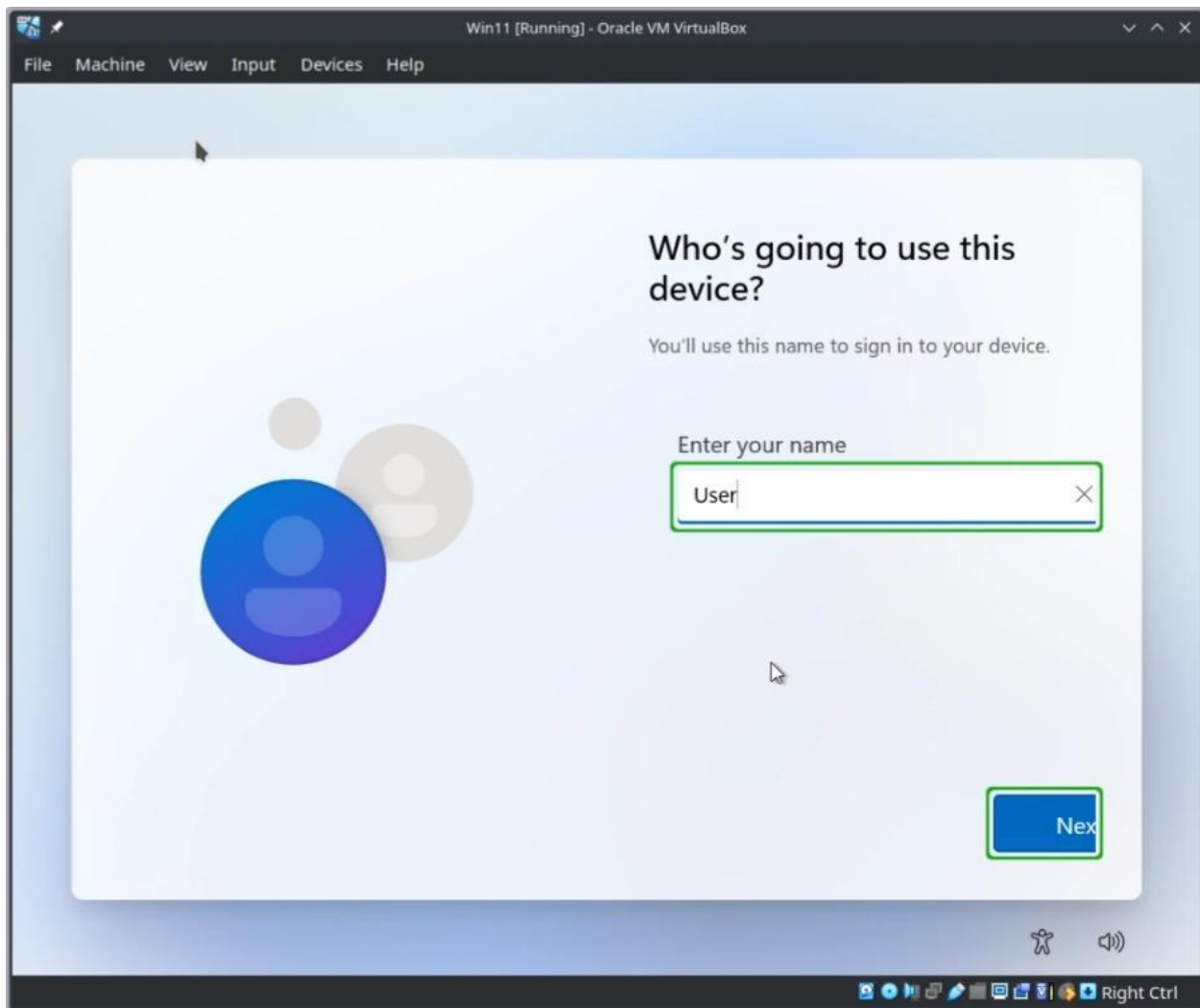
Step 6: Choose a name for the VM and click 'Next'.



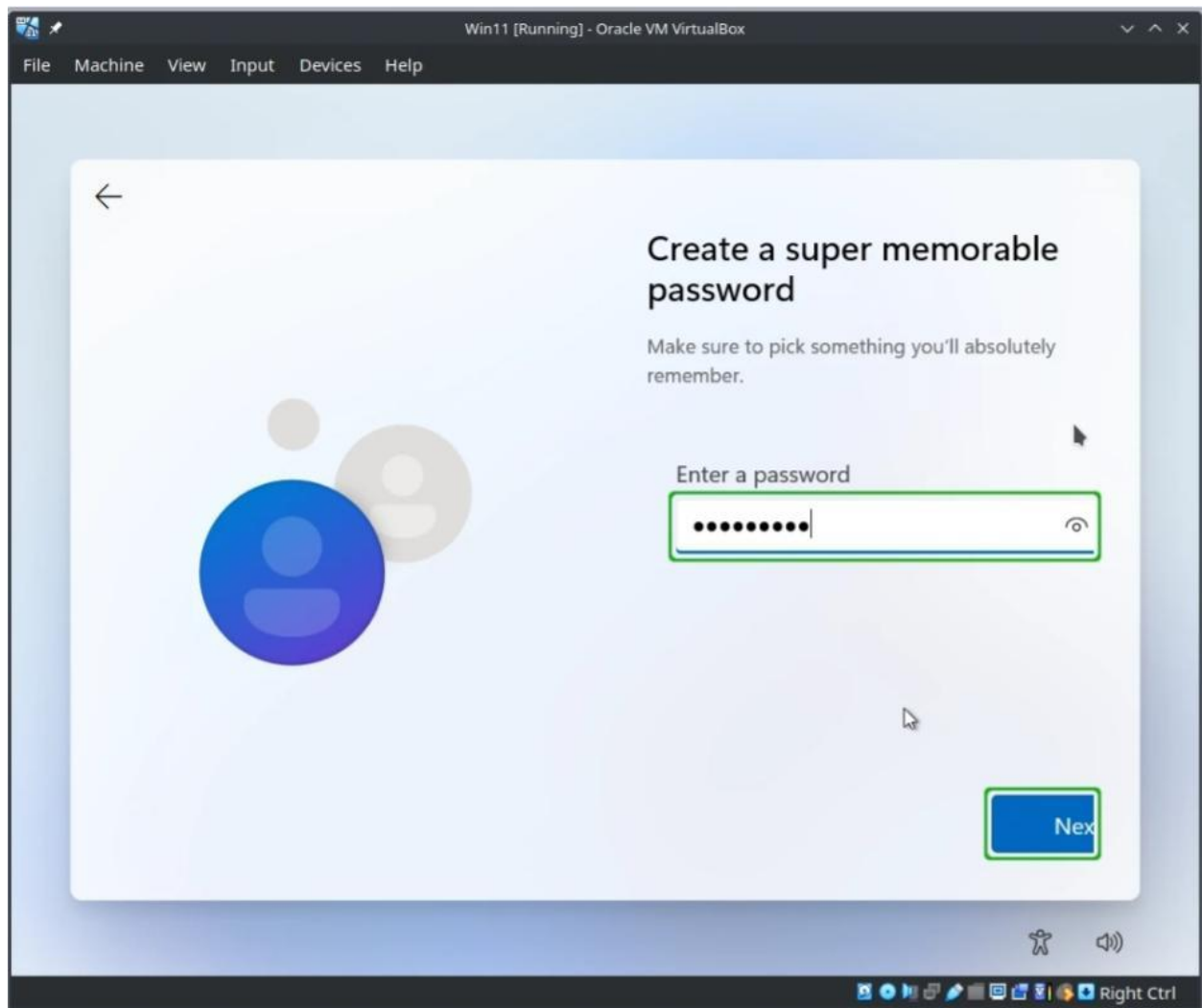
Step 7: Right-click the virtual network adapter and disconnect it. This is necessary to bypass needing a Microsoft account.



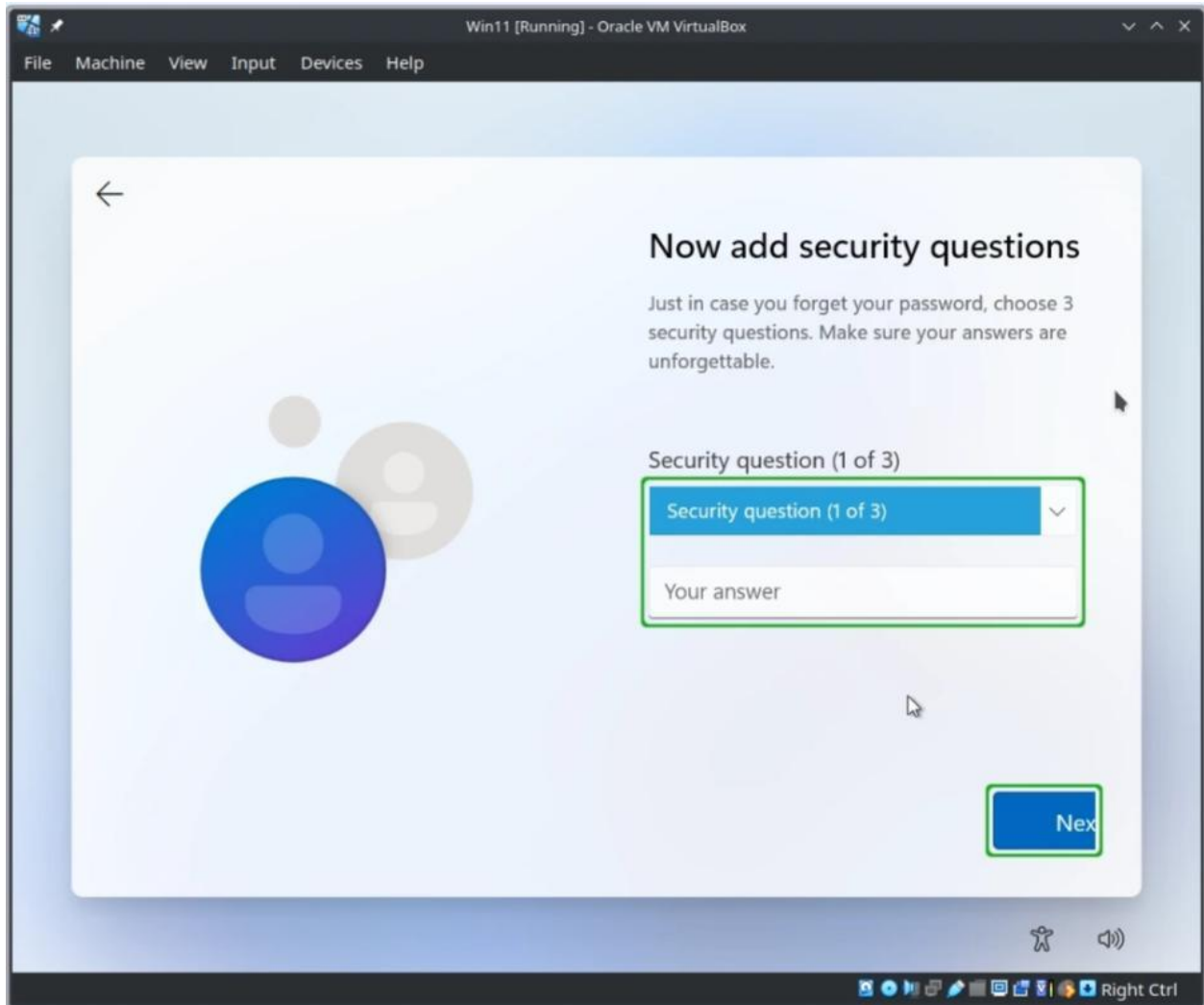
Step 8: Choose to set up the VM for personal use, then click 'Next'.



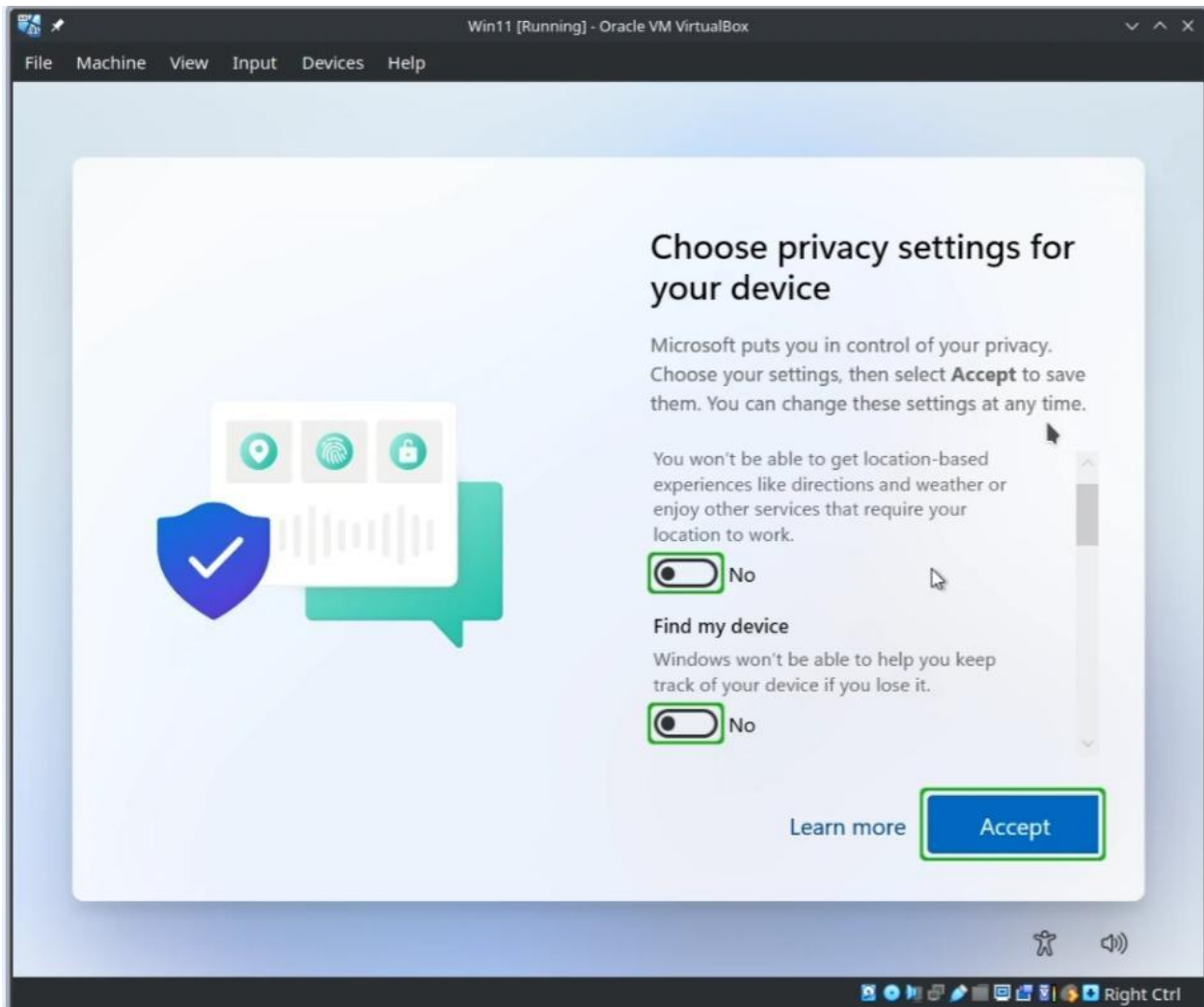
Step 9: Enter your desired username, and click 'Next'.



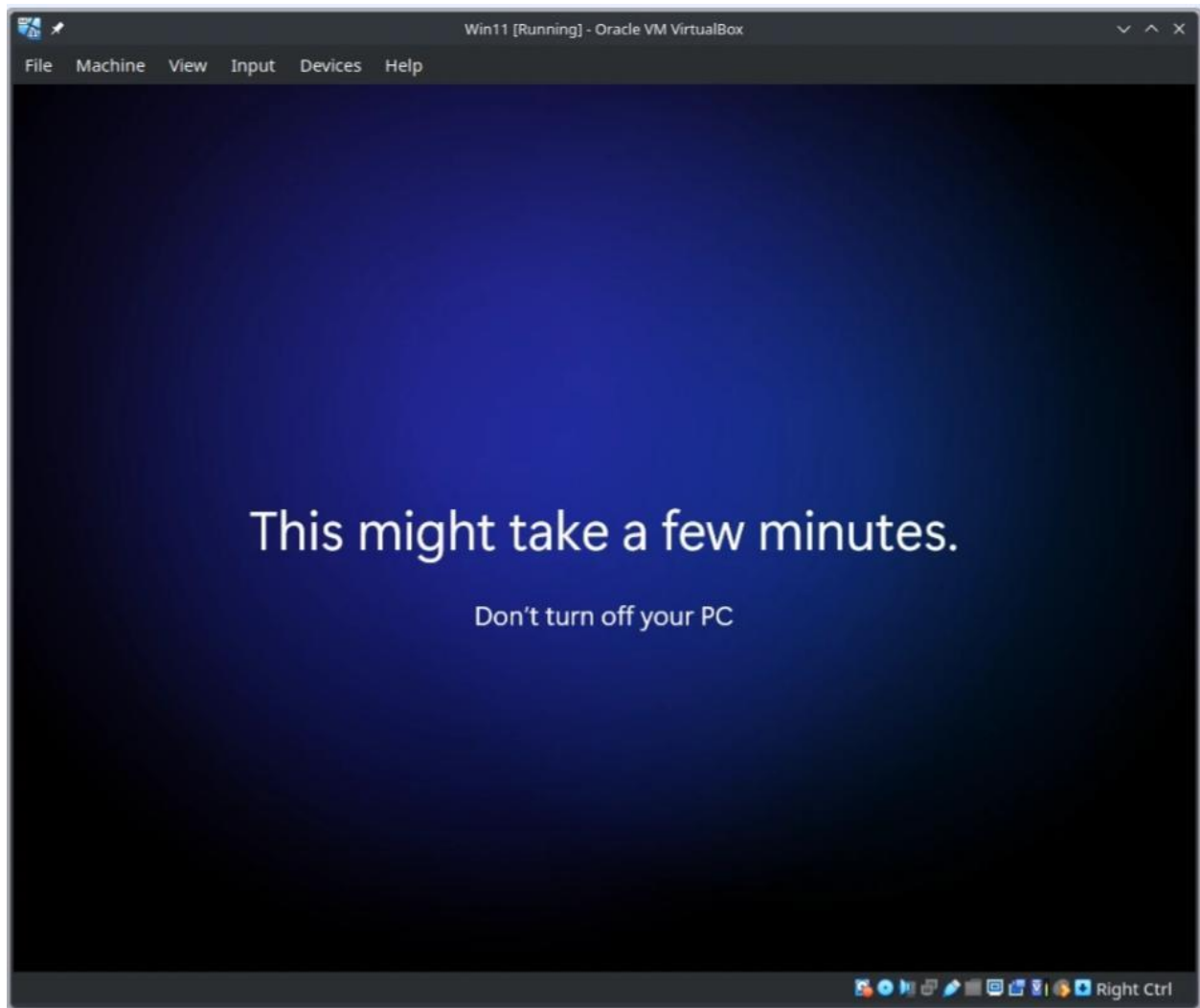
Step 10: Enter and confirm your password, clicking 'Next' when prompted.



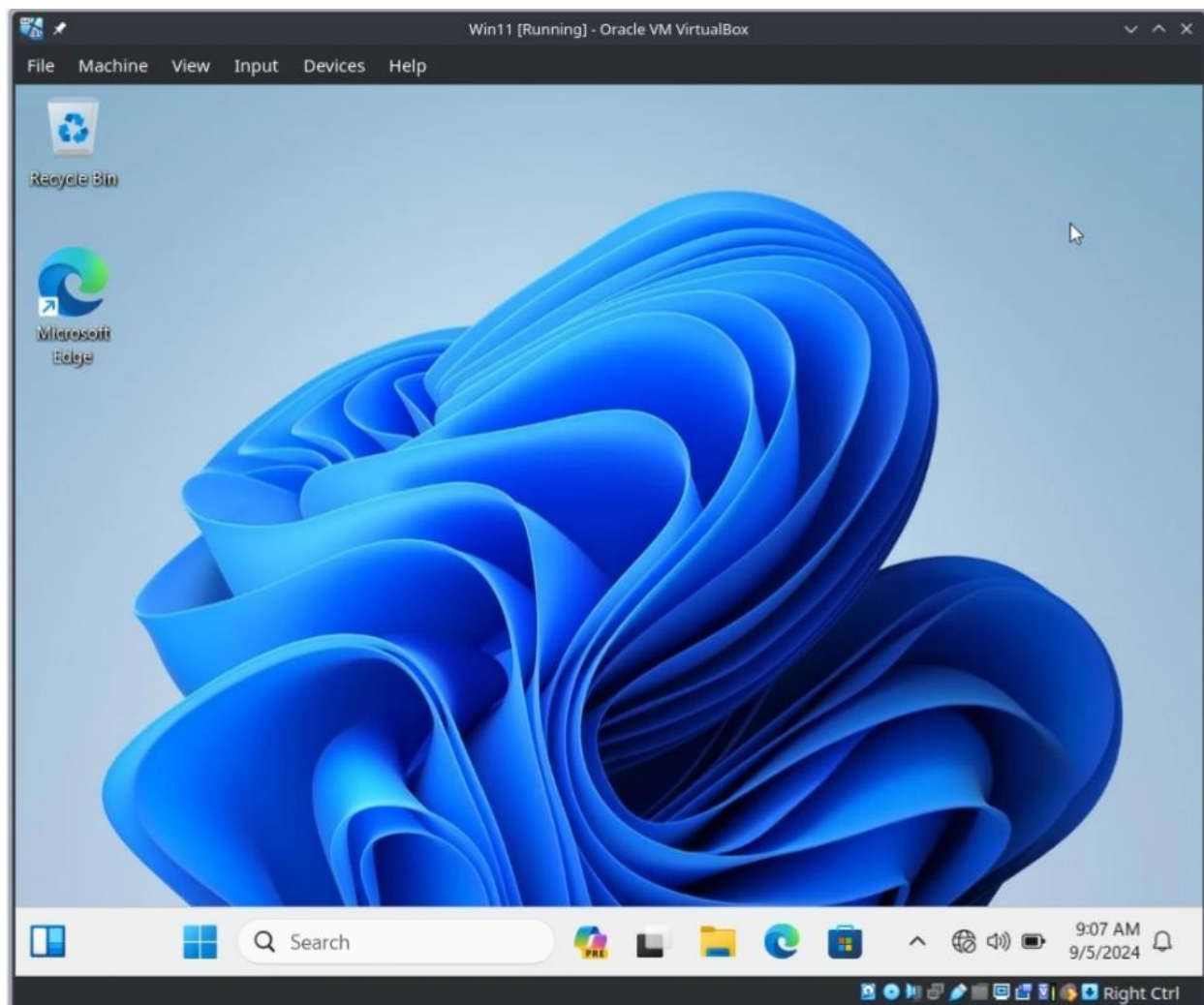
Step 11: Choose three security questions and their answers. We recommend using your VM password as the answer to each question.



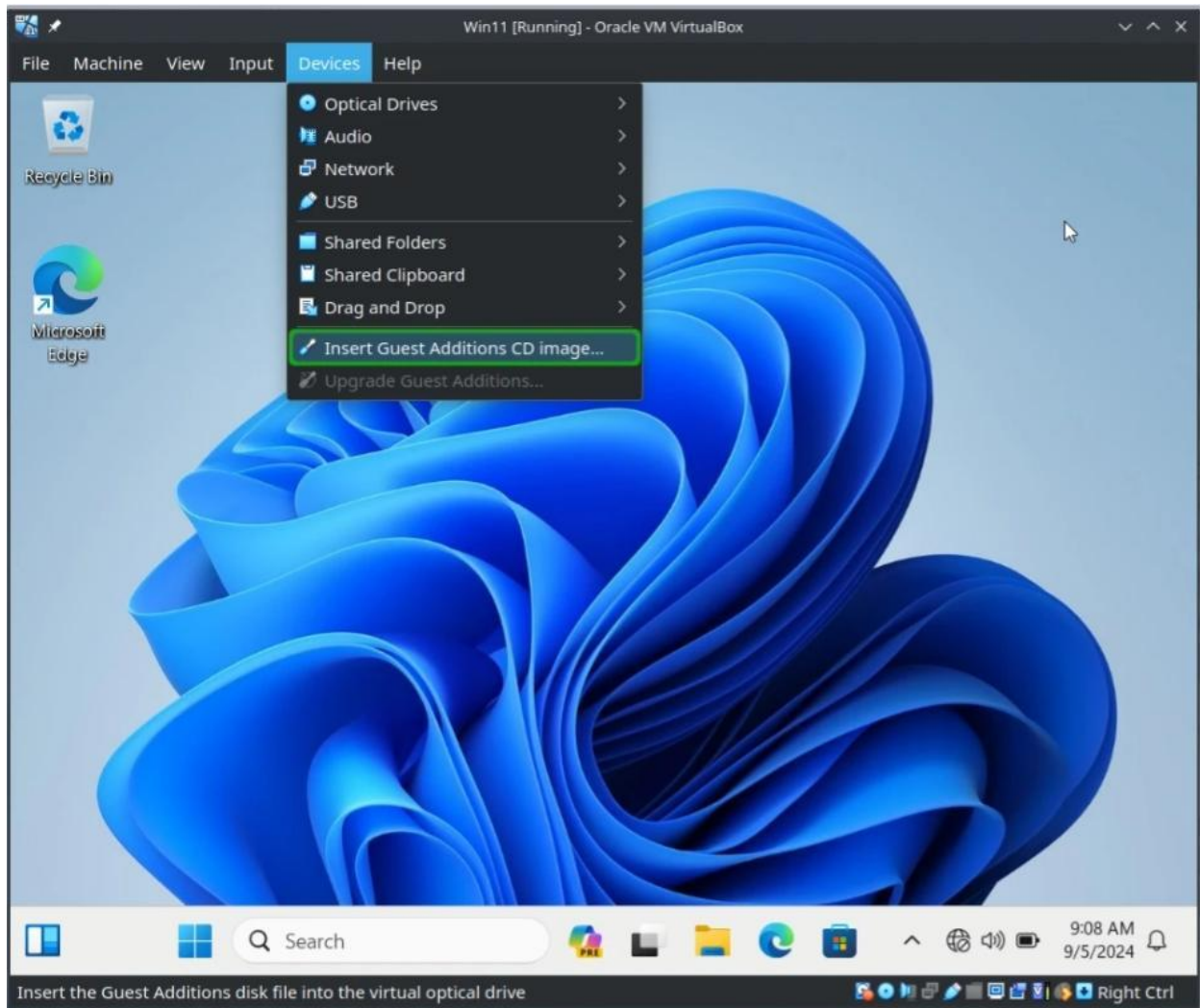
Step 12: Switch off all privacy-affecting features and click 'Accept'.



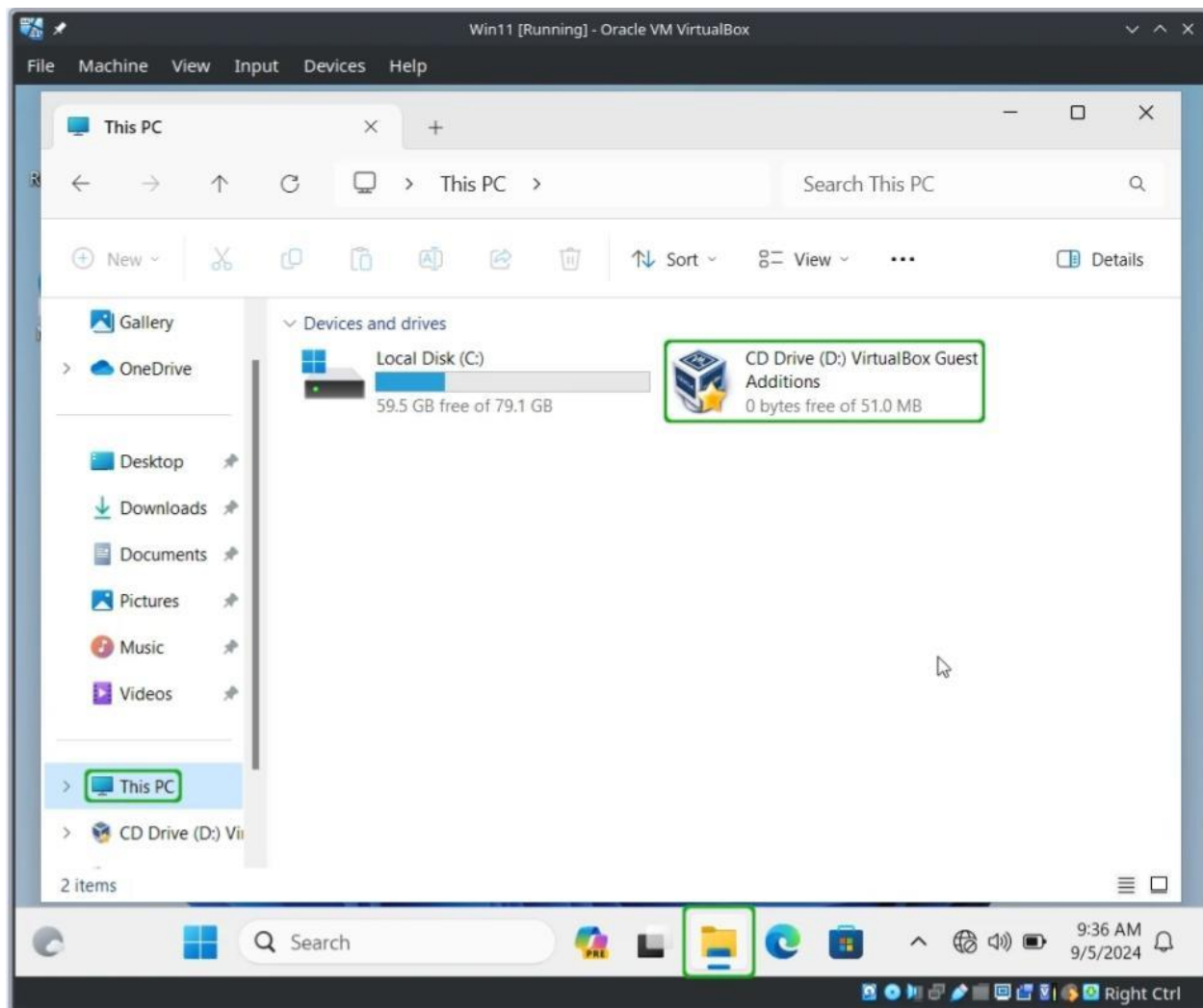
Step 13: Wait for Windows to finish setup.



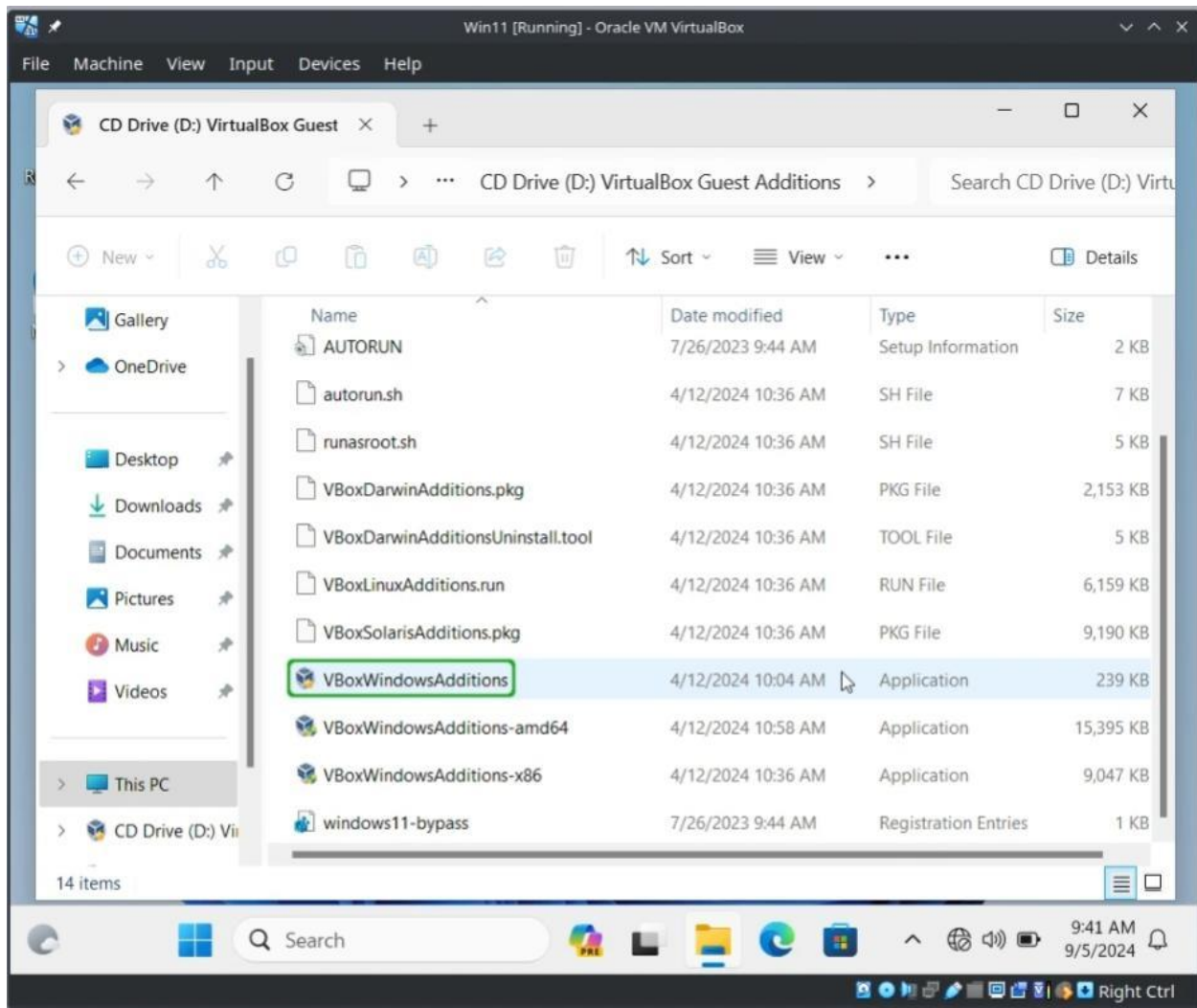
Step 14: Verify that the Windows desktop appears as shown. Do not connect to the Internet yet.



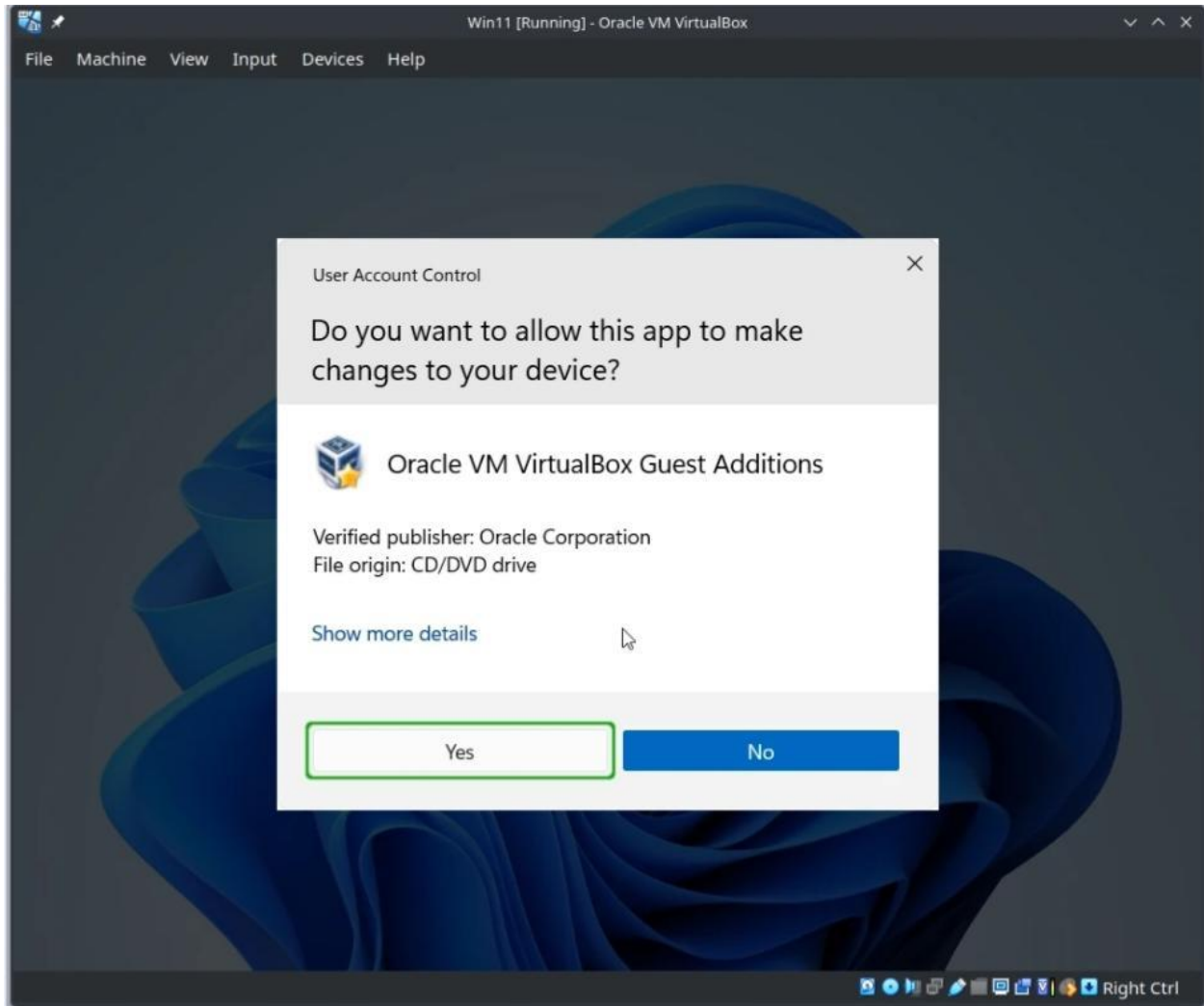
Step 15: Click 'Devices > Insert Guest Additions CD image...'



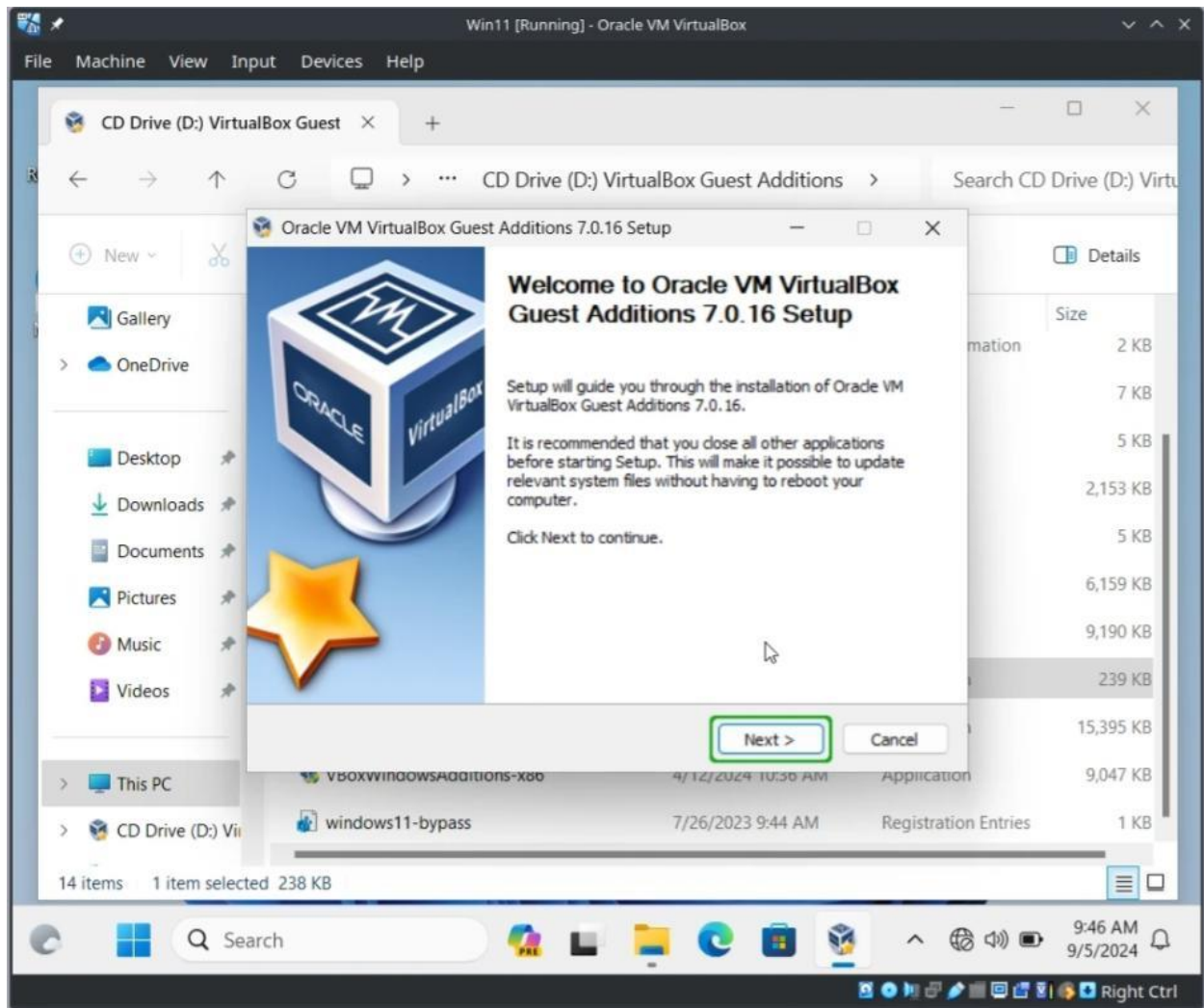
Step 16: Click 'File Manager > This PC', and double-click 'VirtualBox Guest Additions'



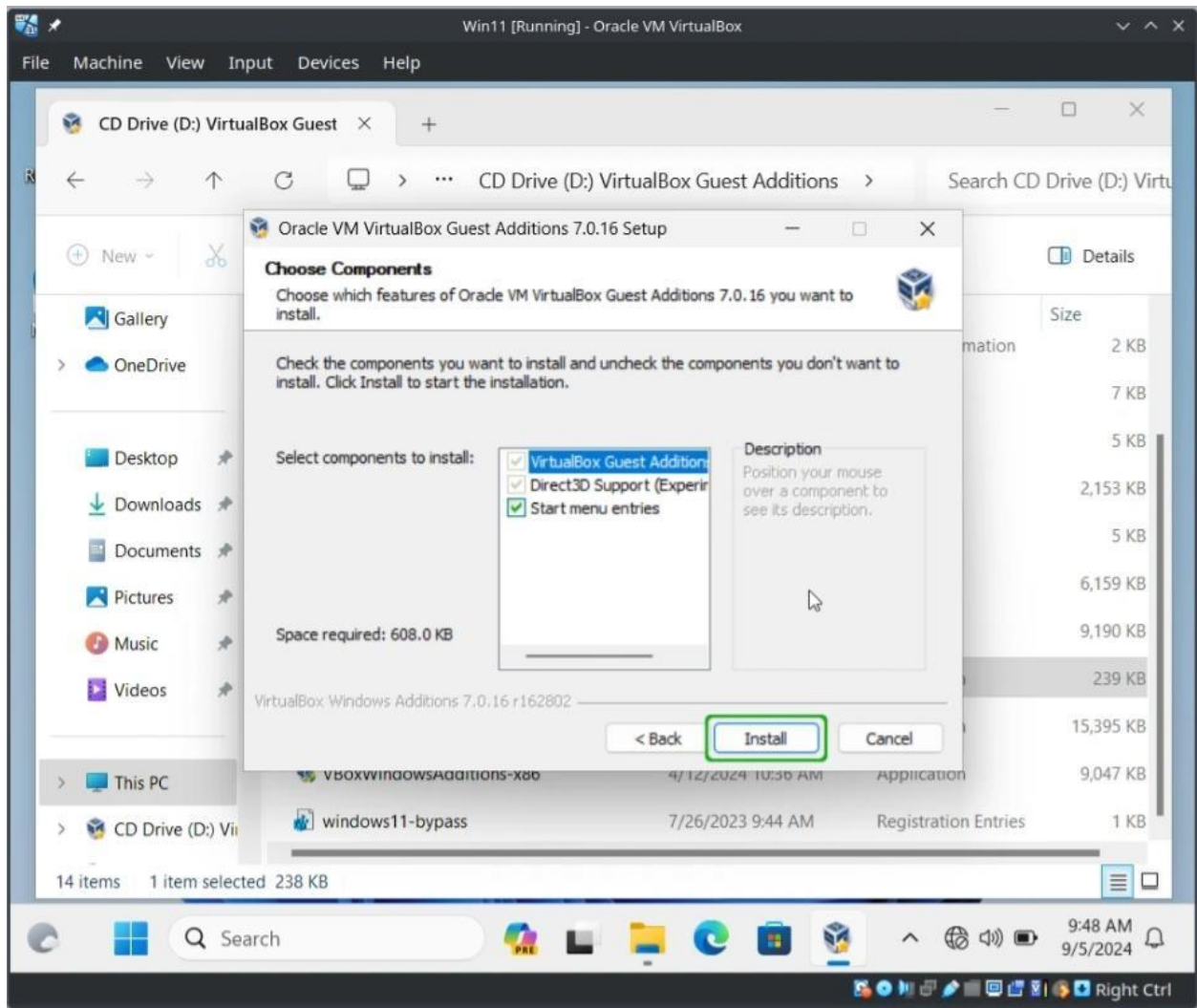
Step 17: Double-click 'VBoxWindowsAdditions'.



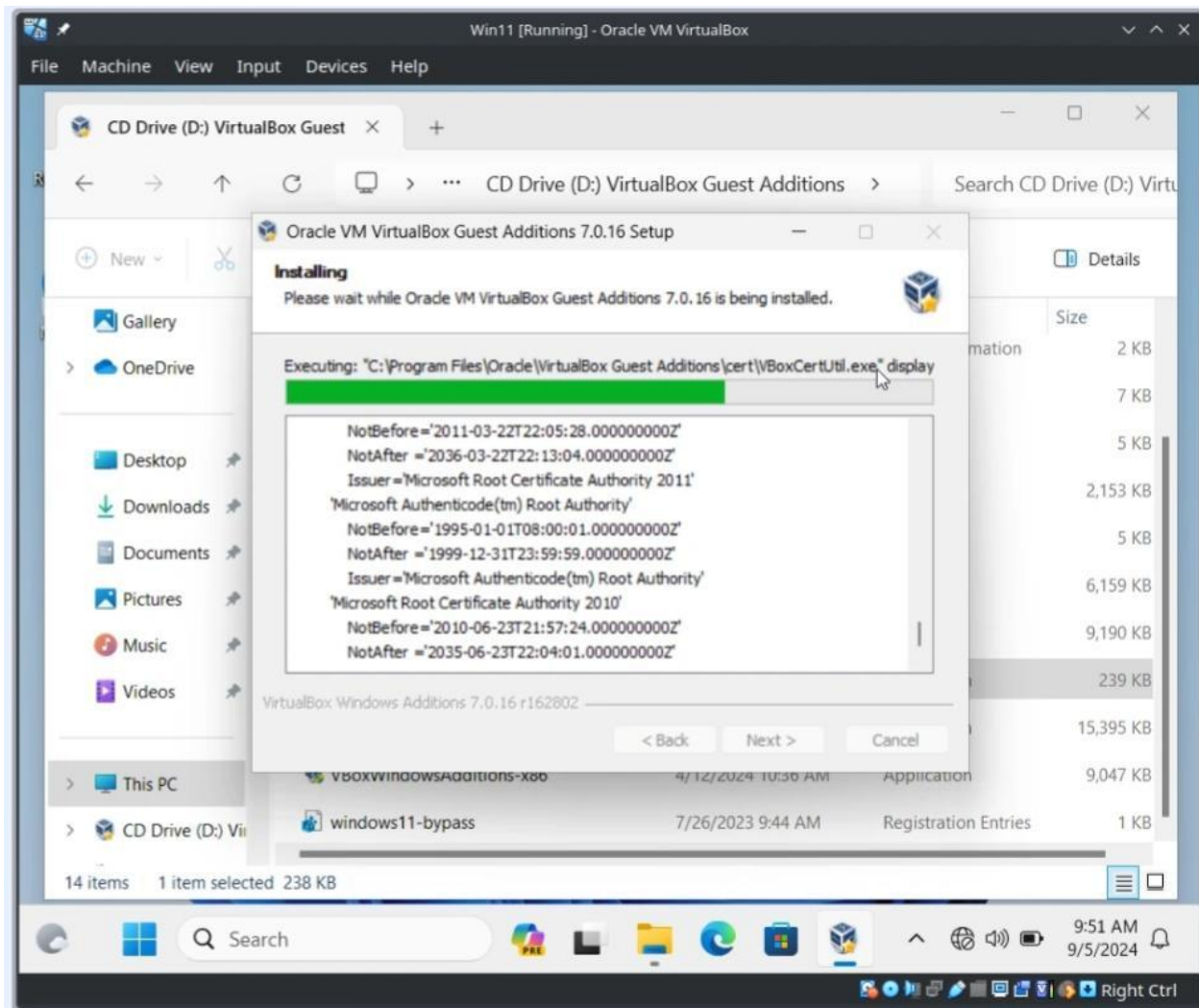
Step 18: At the User Account Control prompt, click 'Yes'.



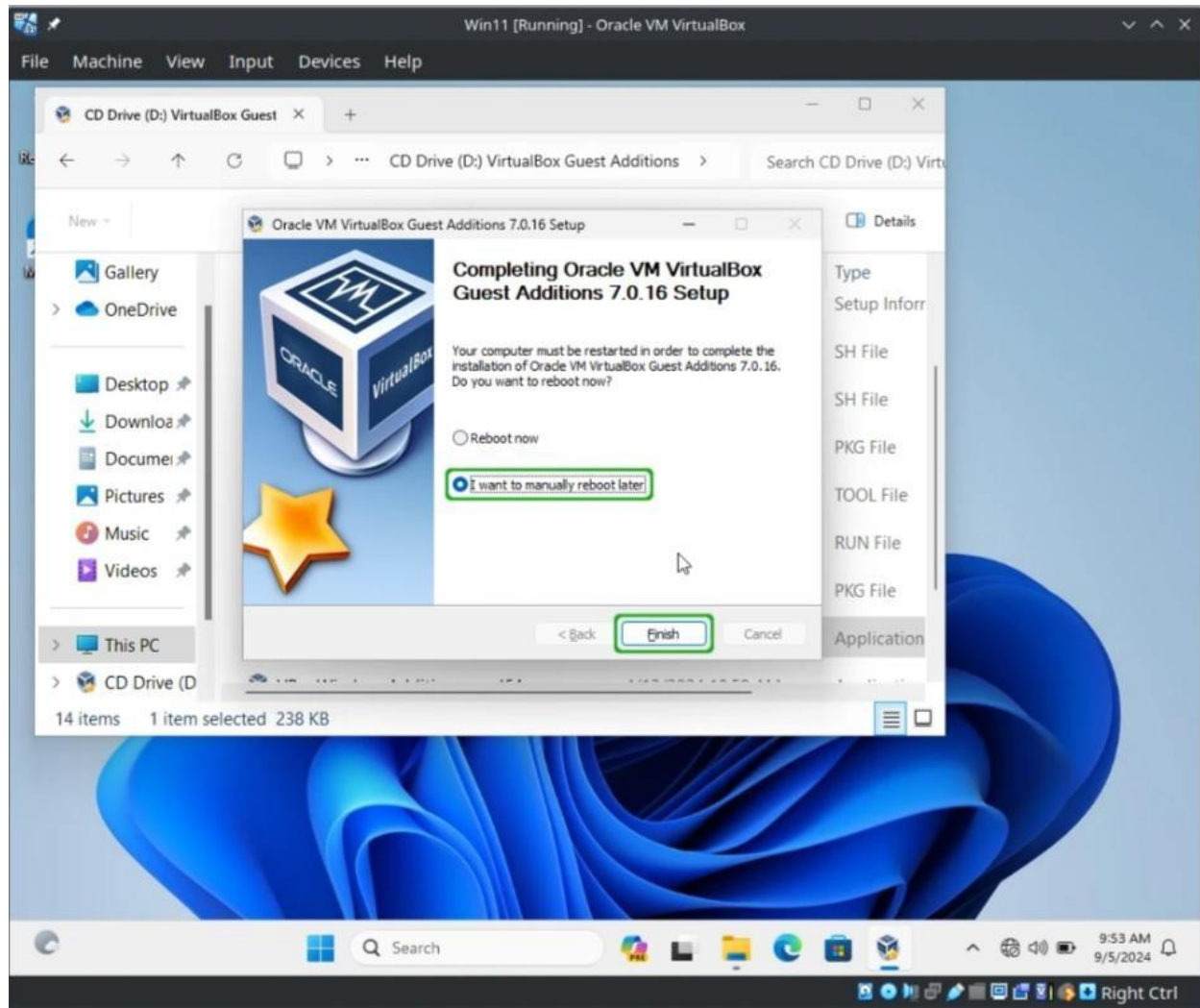
Step 19: In the installation wizard, click 'Next' until you are shown the 'Choose Components' screen.



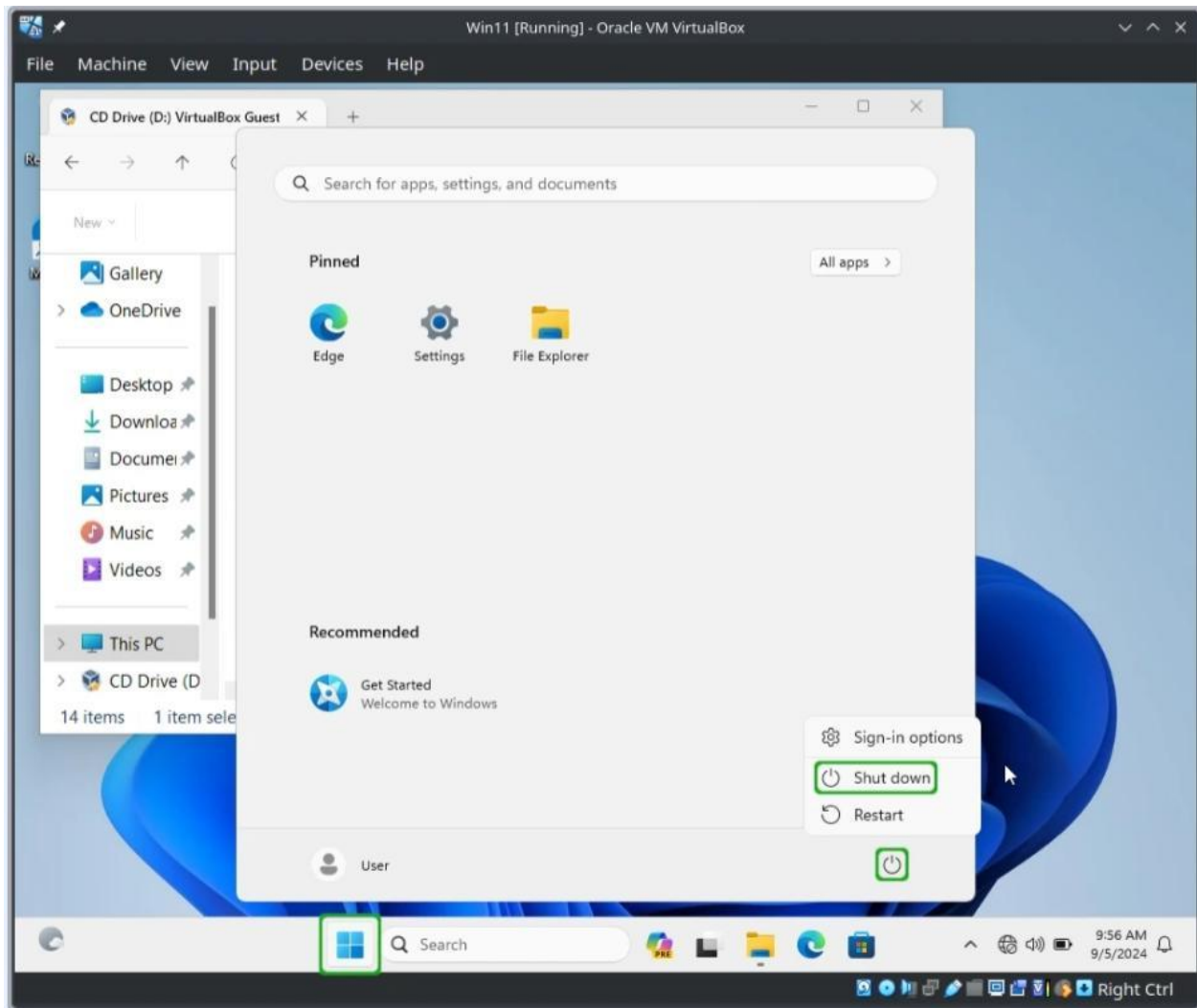
Step 20: On the 'Choose Components' screen, click 'Install'.



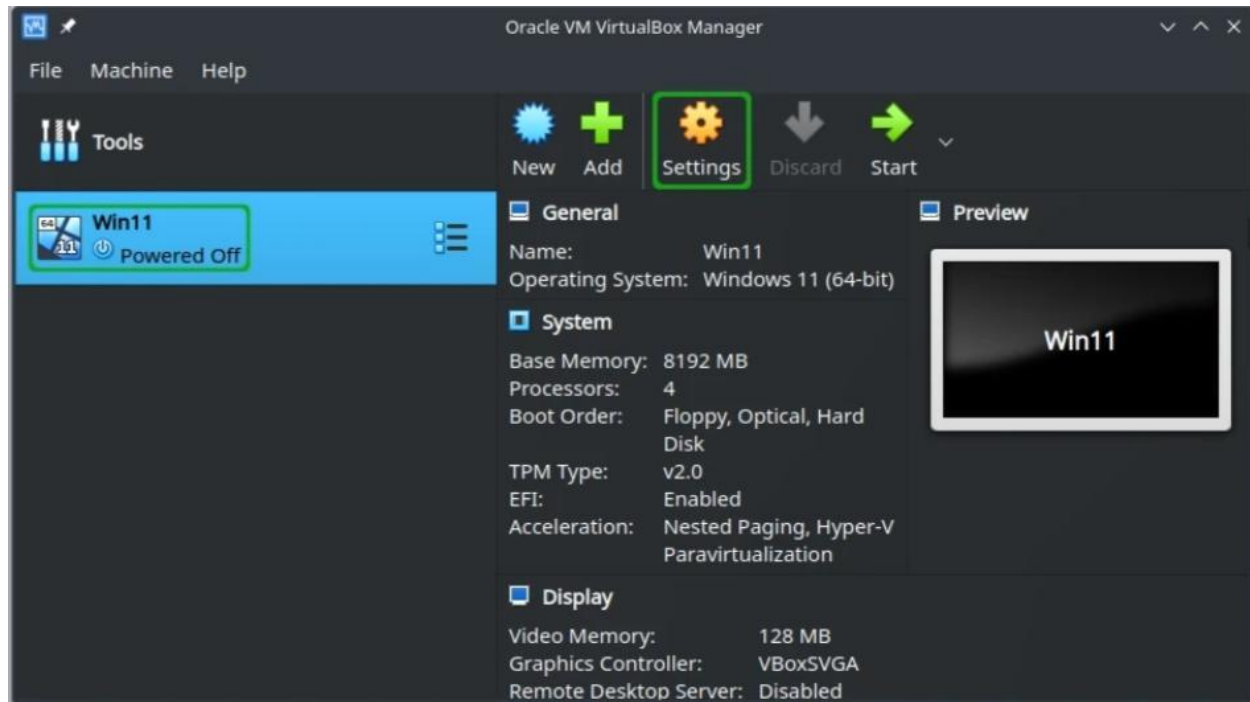
Step 21: Let the installation finish. It is usually very fast.



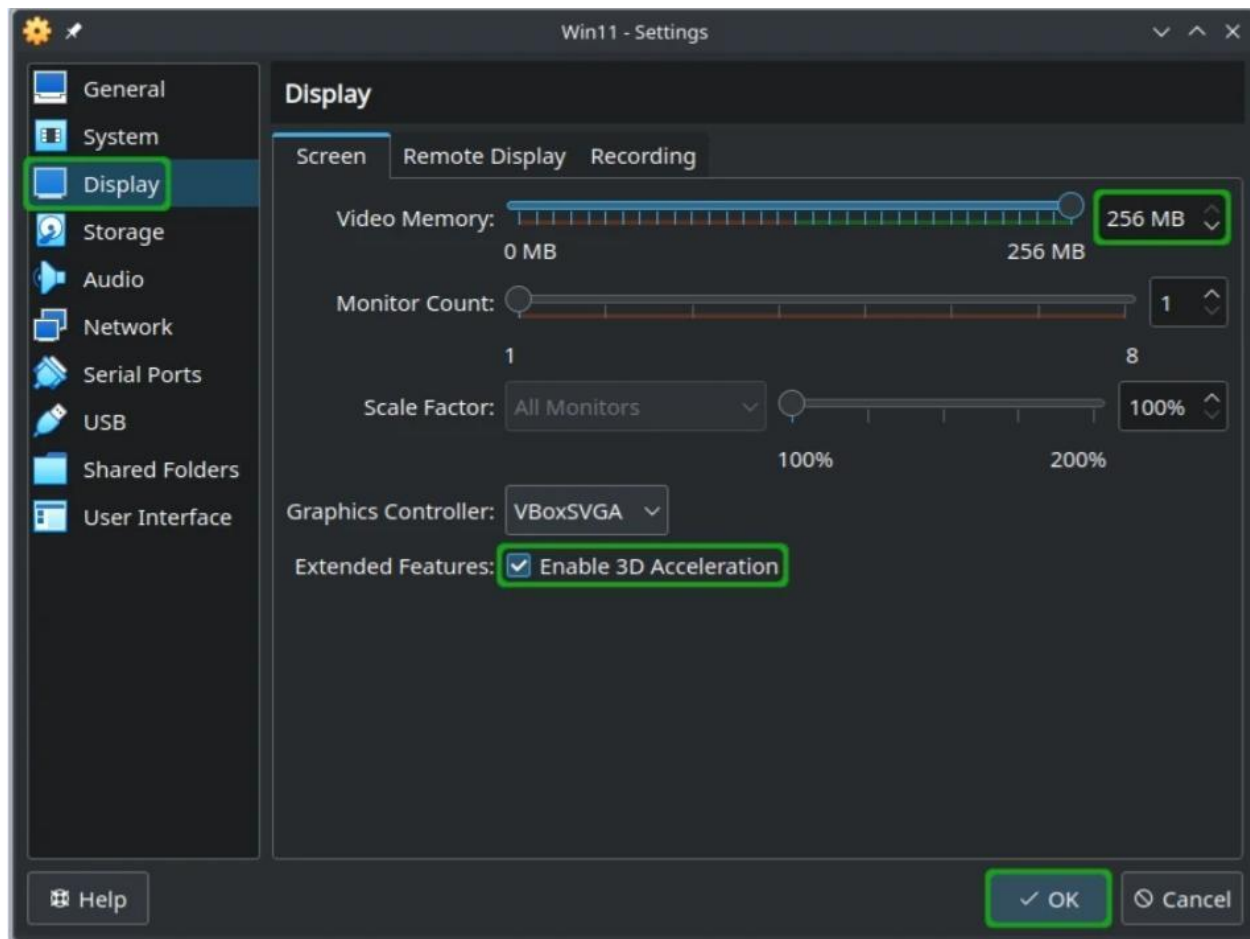
Step 22: Once installation is finished, click 'I want to manually reboot later', then click 'Finish'.



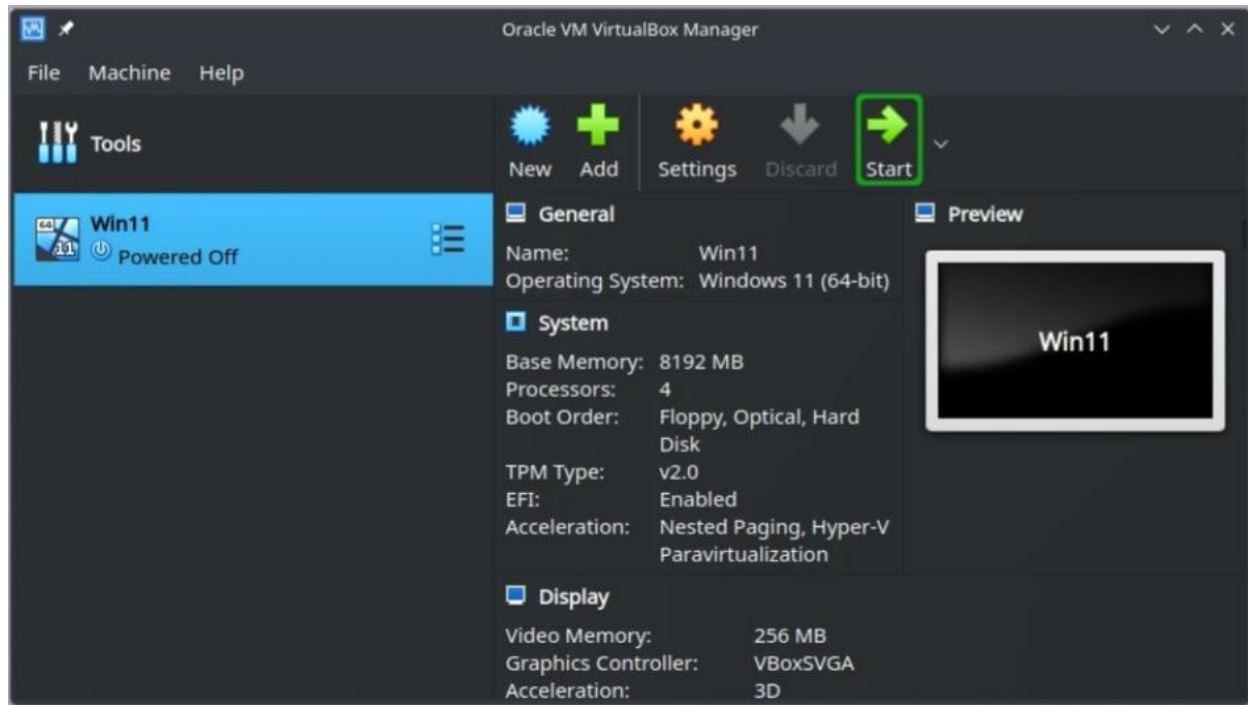
Step 23: Click 'Start Menu > Power > Shut Down'.



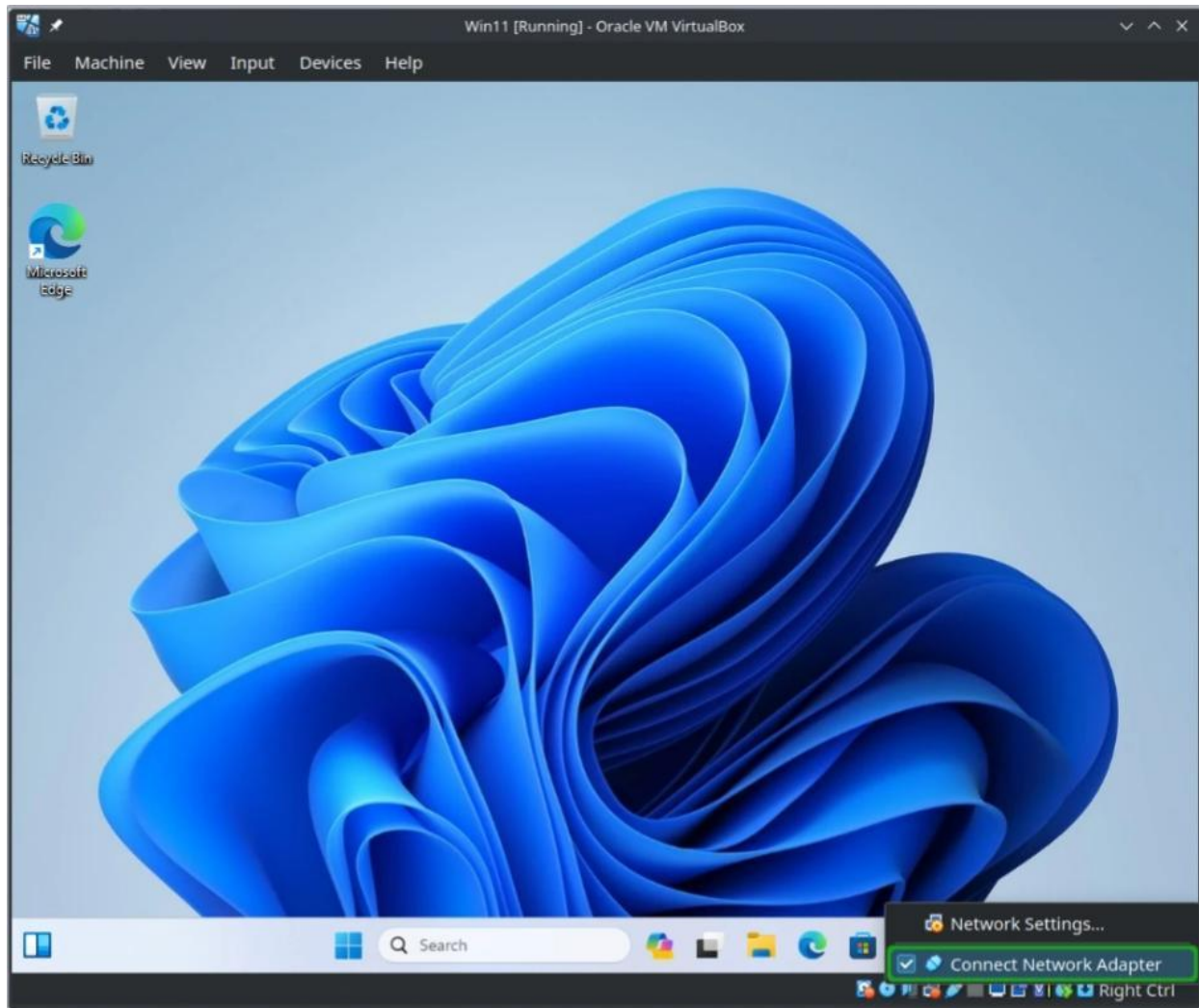
Step 24: In the VirtualBox manager window, ensure the Windows 11 VM is selected, and click 'Settings'.



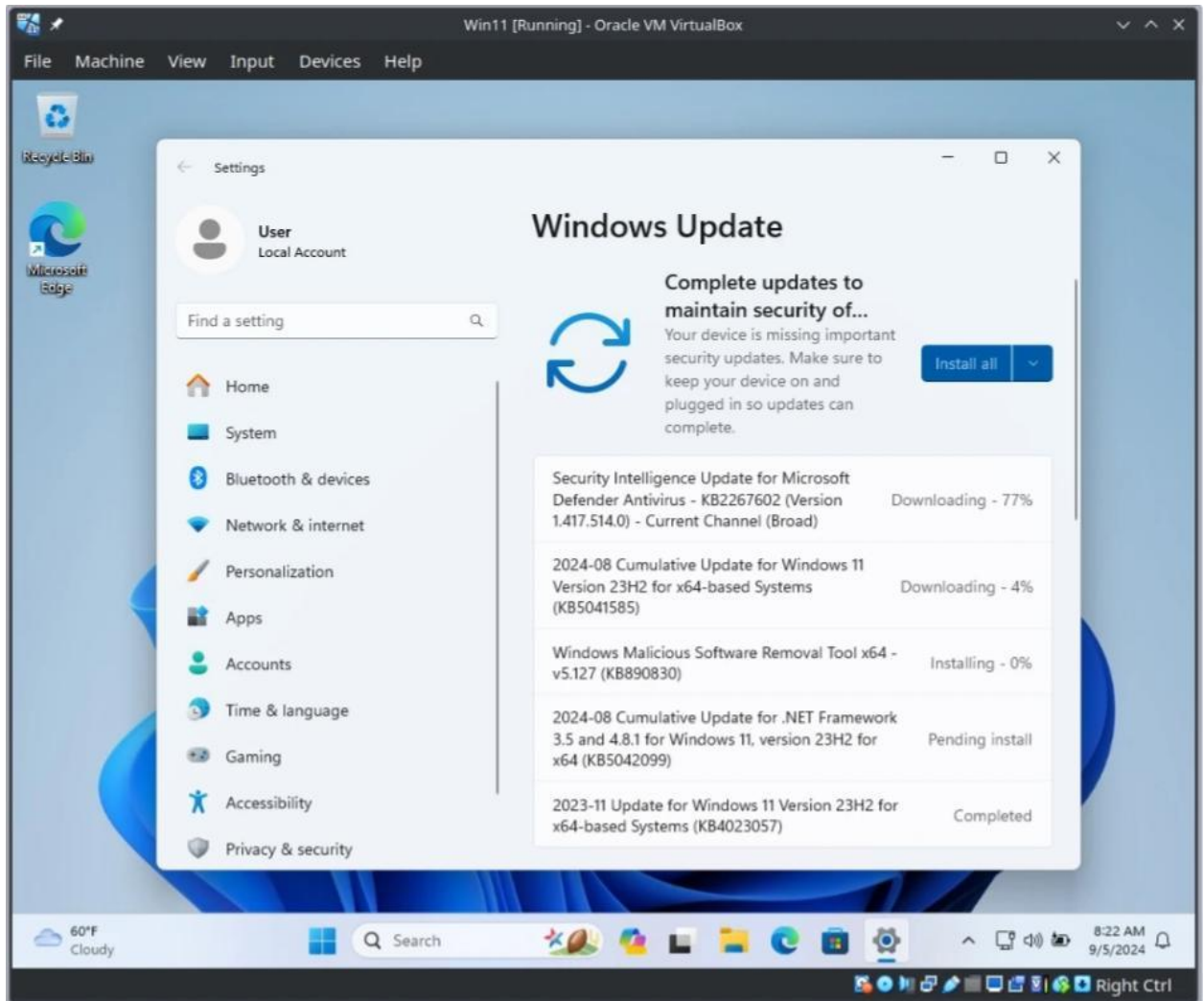
Step 25: Click 'Display', then check the 'Enable 3D Acceleration' box. Increase video memory to 256 MB, then click 'OK'.



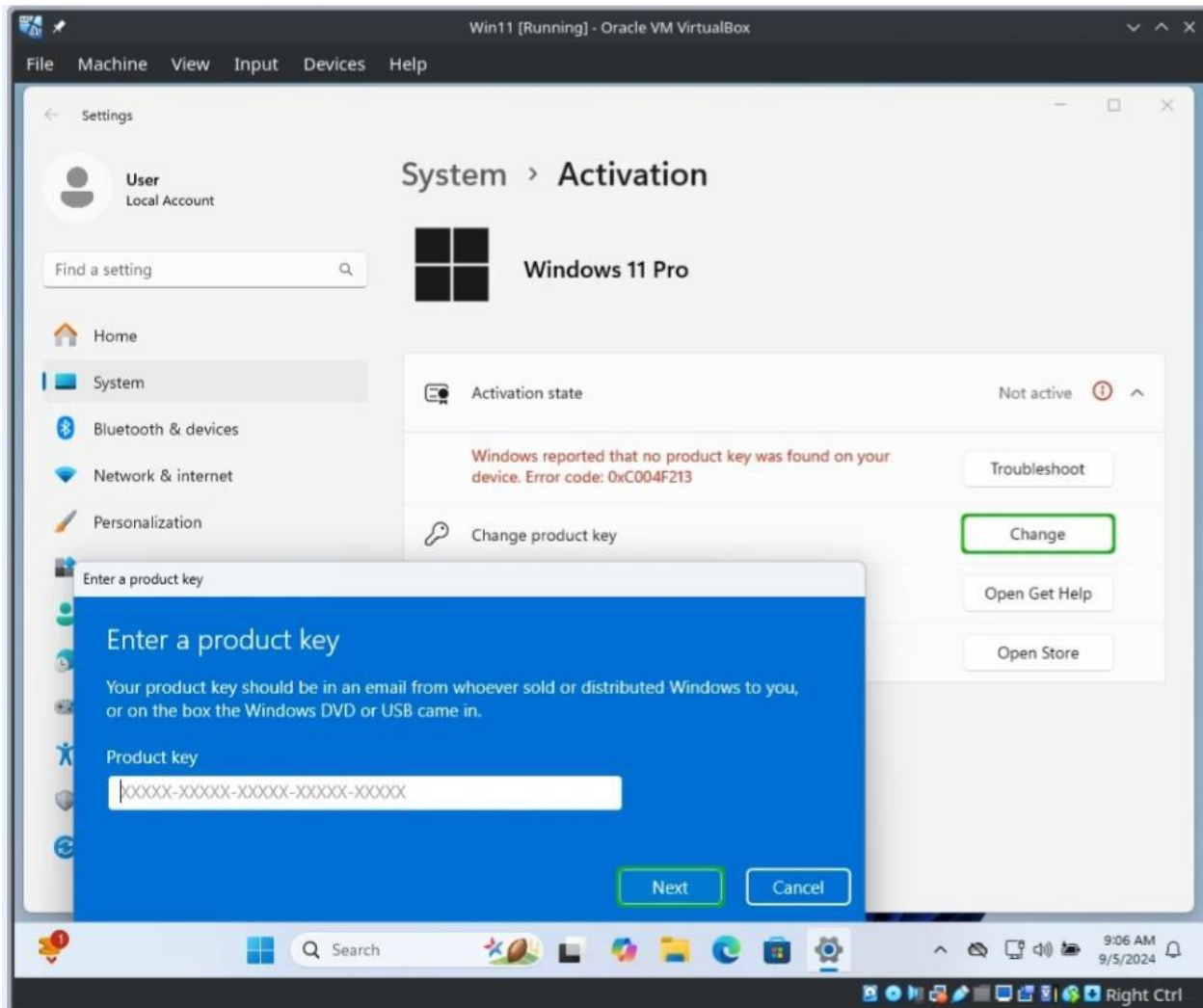
Step 26: Click 'Start' to launch the VM again.



Step 27: Right-click the virtual network adapter and reconnect it.



Step 28: Install OS updates and reboot.



Step 29: In Settings, find the 'Activation' screen. Click 'Change product key', and enter your product key to activate Windows.