



Dupline Online

Virtual Machine Installation Guide

Overview of the system

Oracle VirtualBox extends the capabilities of your existing computer so that it can run multiple operating systems (inside multiple virtual machines) at the same time. So, for example, you can run Windows and Linux on your Mac, run Windows Server 2008 on your Linux server, run Linux on your Windows PC, and so on, all alongside your existing applications. You can install and run as many virtual machines as you like -- the only practical limits are disk space and memory.

In this guide we will see how to use Virtualbox to run Windows XP os into a Windows 10 computer. This will allow us to use Carlo Gavazzi's Dupline Online software in Windows 10 OS.

Downloading and Installing Oracle VirtualBox

Download Oracle VirtualBox by accessing this URL: <https://www.virtualbox.org/wiki/Downloads>



VirtualBox

Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- VirtualBox platform packages. The binaries are released under the terms of the GPL version 2.
 - VirtualBox 5.1.4 for Windows hosts** → x86/amd64
 - VirtualBox 5.1.4 for OS X hosts → amd64
 - VirtualBox 5.1.4 for Linux hosts
 - VirtualBox 5.1.4 for Solaris hosts → amd64
- VirtualBox 5.1.4 Oracle VM VirtualBox Extension Pack → All supported platforms
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#).
Please install the extension pack with the same version as your installed version of VirtualBox:
If you are using **VirtualBox 5.0.26**, please download the extension pack [here](#).
If you are using **VirtualBox 4.3.38**, please download the extension pack [here](#).
- VirtualBox 5.1.4 Software Developer Kit (SDK) → All platforms

See the [changelog](#) for what has changed.

You might want to compare the [SHA256](#) checksums or the [MD5](#) checksums to verify the integrity of downloaded packages. The [SHA256](#) checksums should be favored as the [MD5](#) algorithm must be treated as insecure!

Note: After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

User Manual

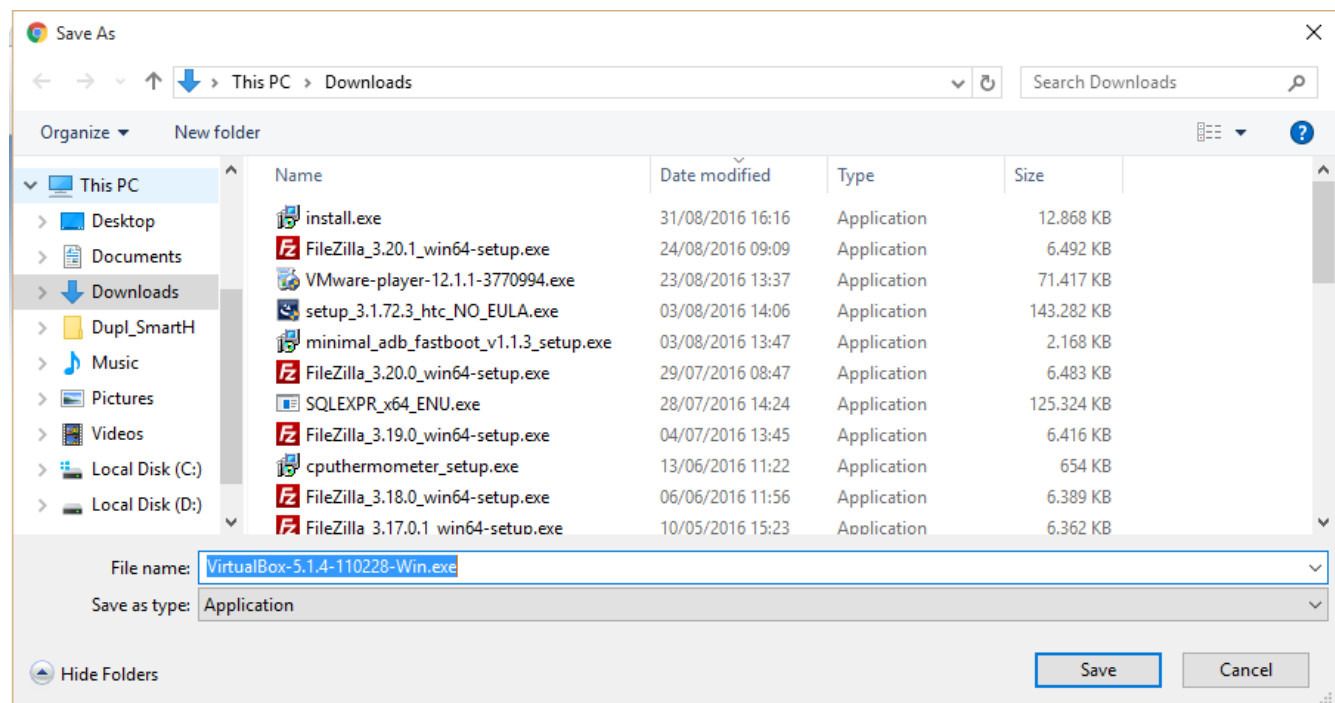
The VirtualBox User Manual is included in the VirtualBox binaries above. If, however, you would like to take a look at it without having to install the whole thing, you also access it here:

- [User Manual \(HTML version\)](#)
- [French User Manual](#)

You may also like to take a look at our [frequently asked questions list](#).

Download VirtualBox for Windows by clicking on "VirtualBox 5.1.4 for Windows hosts -> X86/amd64"

And save the file.



Save As

← → ↑ ↓ This PC > Downloads

Search Downloads

Organize New folder

This PC

- Desktop
- Documents
- Downloads
- Dupl_SmartH
- Music
- Pictures
- Videos
- Local Disk (C:)
- Local Disk (D:)

Name	Date modified	Type	Size
install.exe	31/08/2016 16:16	Application	12.868 KB
FileZilla_3.20.1_win64-setup.exe	24/08/2016 09:09	Application	6.492 KB
VMware-player-12.1.1-3770994.exe	23/08/2016 13:37	Application	71.417 KB
setup_3.1.72.3_htc_NO_EULA.exe	03/08/2016 14:06	Application	143.282 KB
minimal_adb_fastboot_v1.1.3_setup.exe	03/08/2016 13:47	Application	2.168 KB
FileZilla_3.20.0_win64-setup.exe	29/07/2016 08:47	Application	6.483 KB
SQLEXPRESS_x64_ENU.exe	28/07/2016 14:24	Application	125.324 KB
FileZilla_3.19.0_win64-setup.exe	04/07/2016 13:45	Application	6.416 KB
cputhermometer_setup.exe	13/06/2016 11:22	Application	654 KB
FileZilla_3.18.0_win64-setup.exe	06/06/2016 11:56	Application	6.389 KB
FileZilla_3.17.0.1_win64-setup.exe	10/05/2016 15:23	Application	6.362 KB

File name: VirtualBox-5.1.4-110228-Win.exe

Save as type: Application

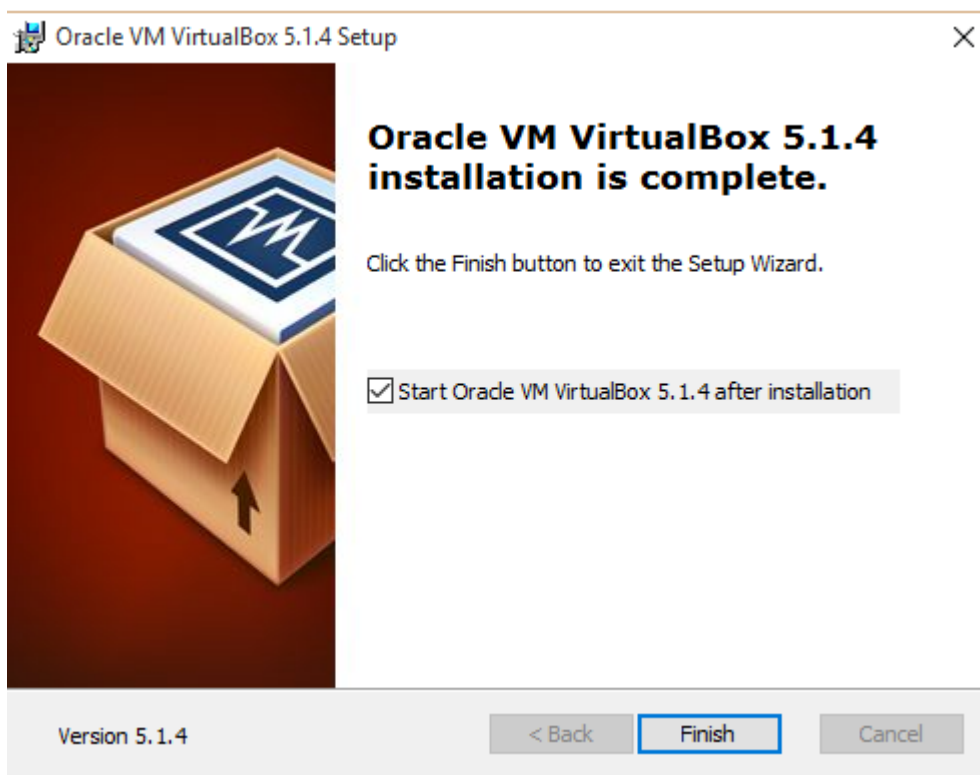
Hide Folders

Save Cancel

After finishing the download, launch the installer program.

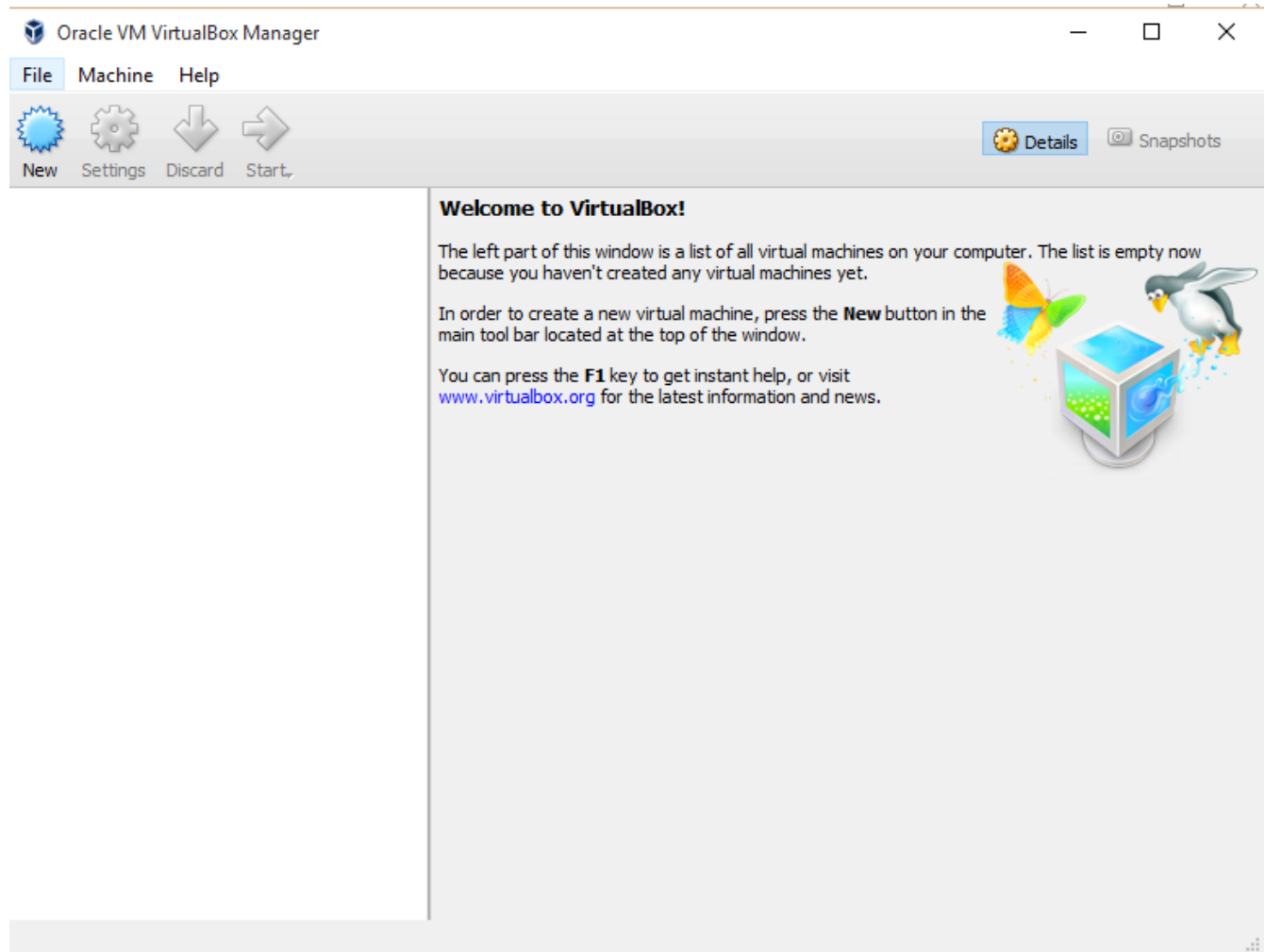


Click "Next" whenever it is required to finalize the installation



Clicking on “*Finish*”, VirtualBox will be launched.

Installing and setup of the virtual machine




On VirtualBox interface, click on "New", the following window will open

← Create Virtual Machine

Name and operating system

Please choose a descriptive name for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

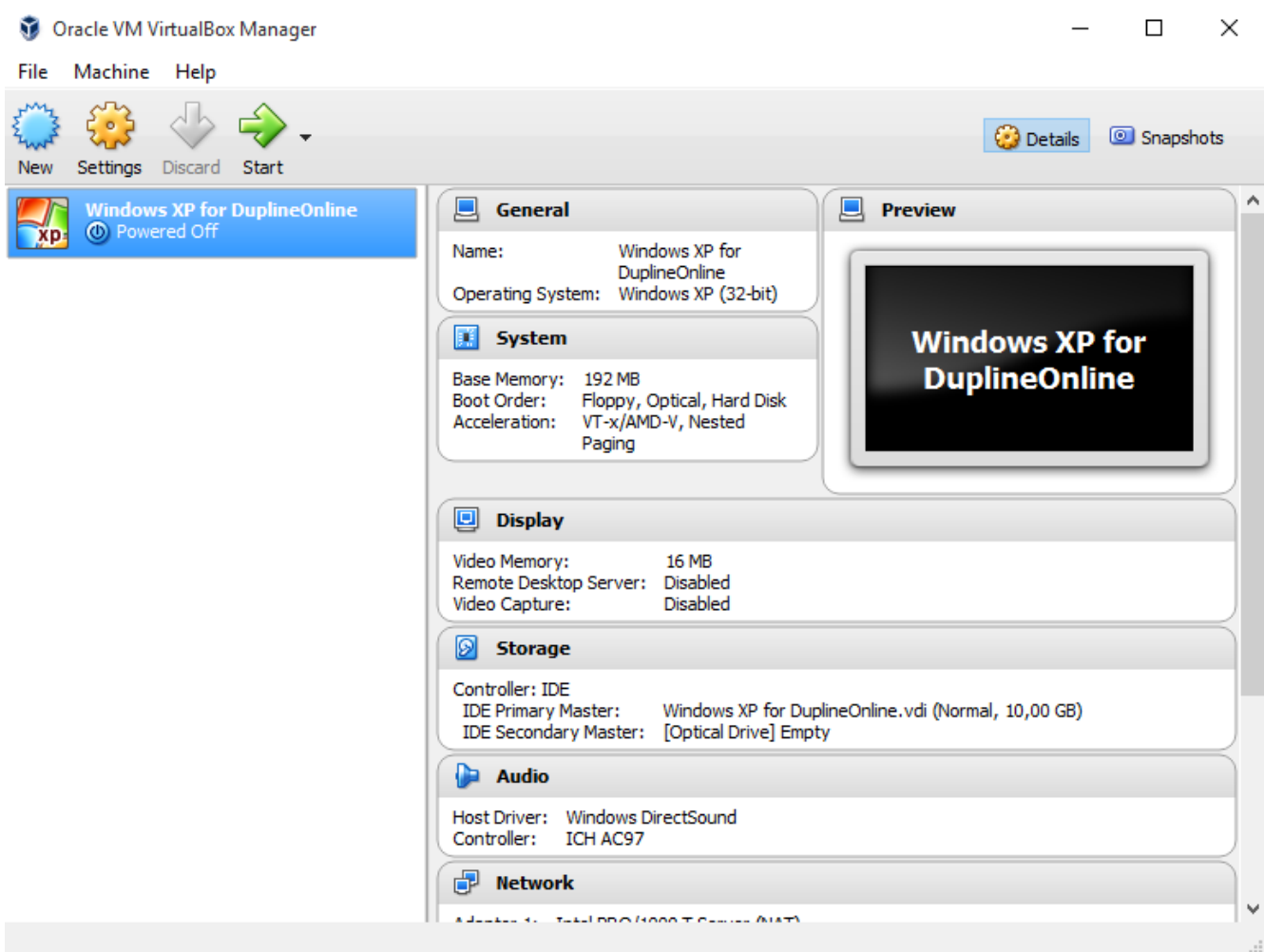
Name:

Type: 

Version:

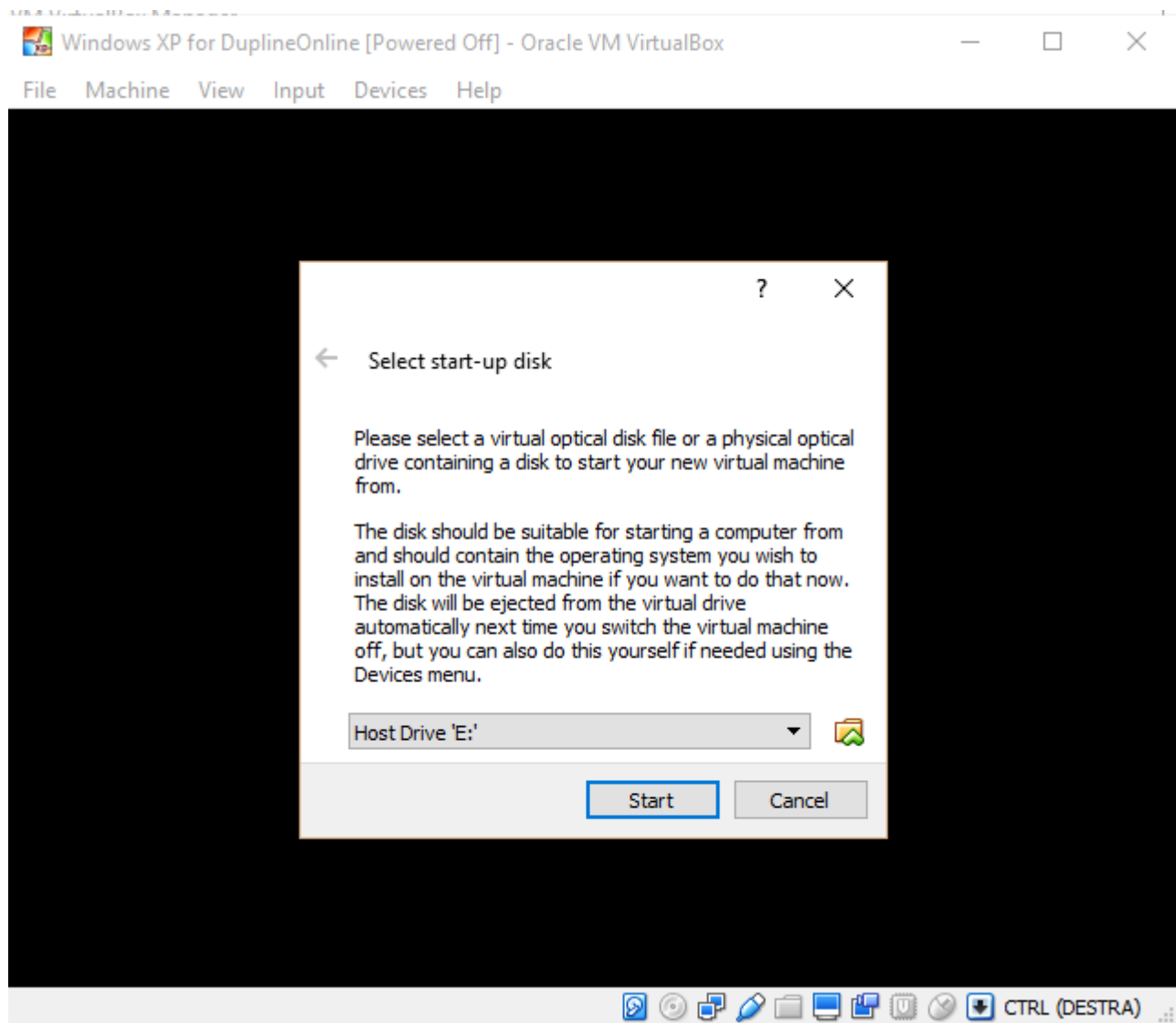
Choose a name for the virtual machine, an operating system (Microsoft Windows) and a version of the OS (Windows XP (32-bit)). Click on “Next” several times until the end of the procedure.

The virtual machine has been created



At this stage the virtual machine is only a container without any software inside. We need to deploy the virtual machine and make Windows XP run on it.

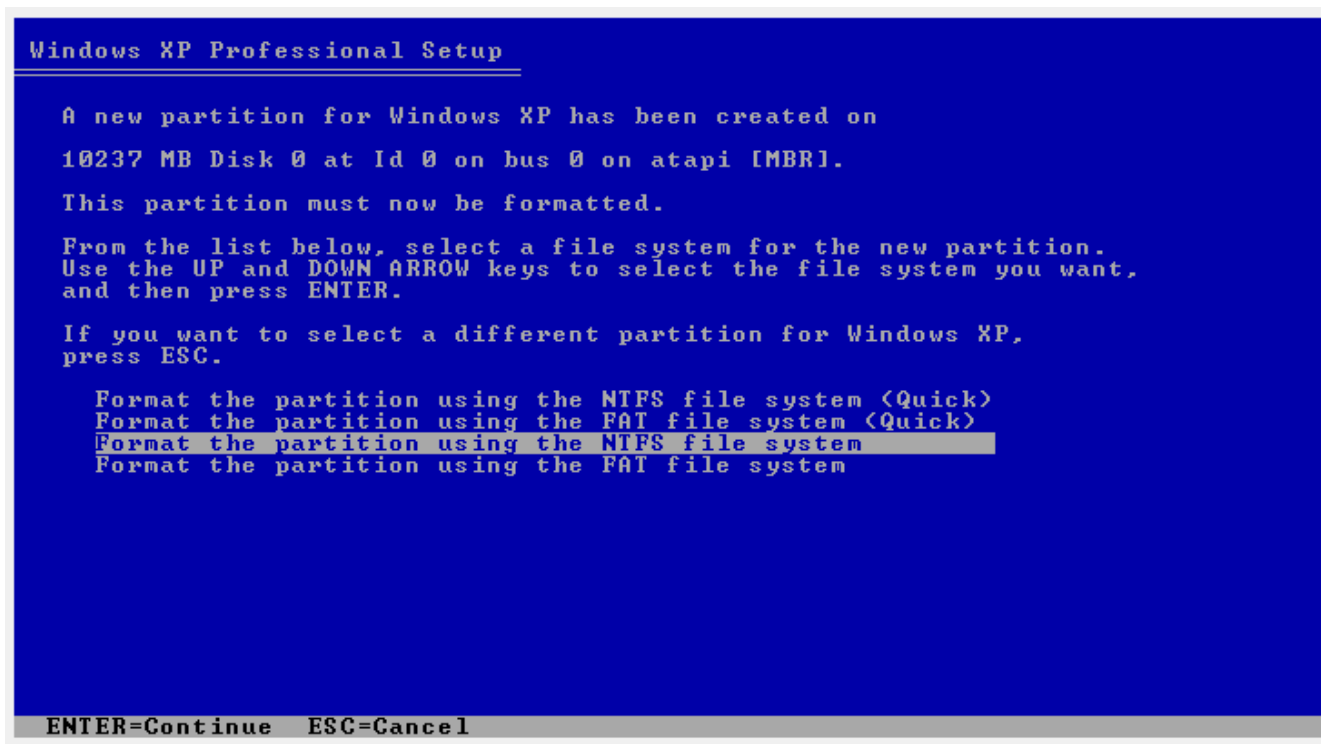
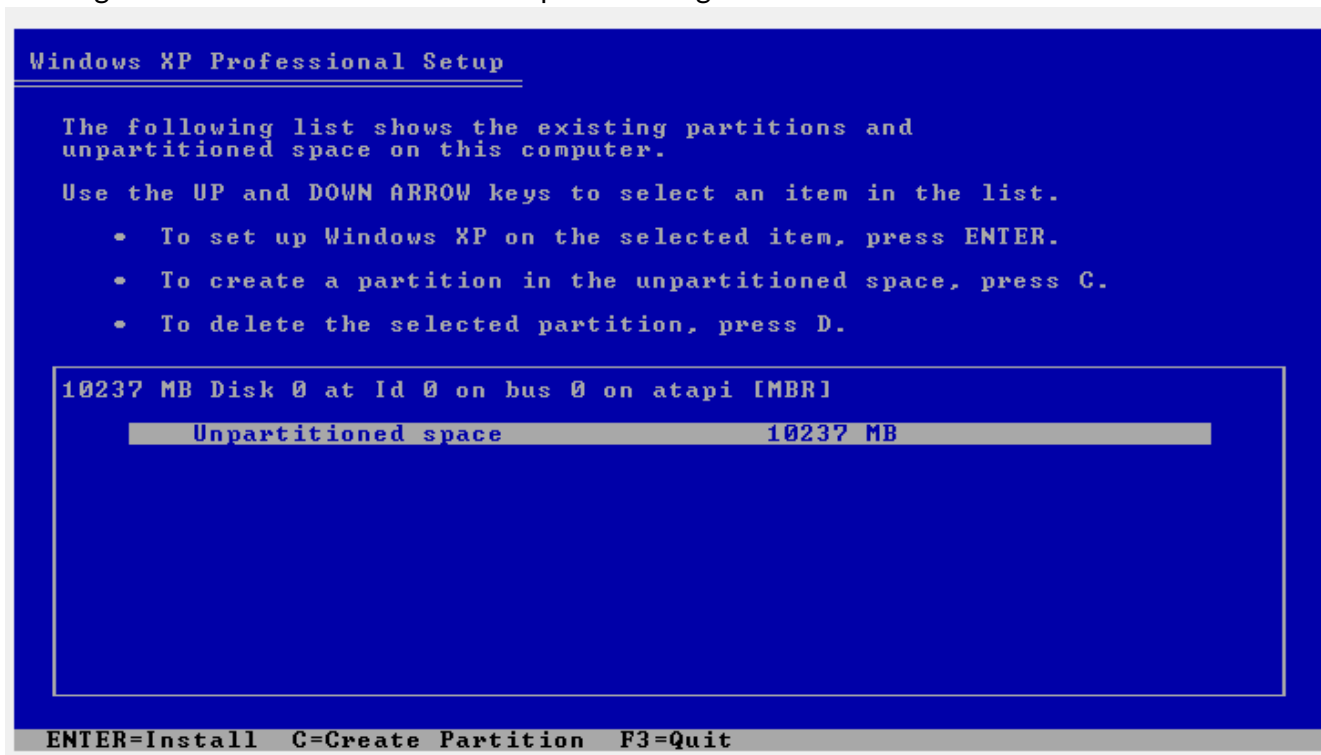
Click on “Start” button, the following window will automatically open.



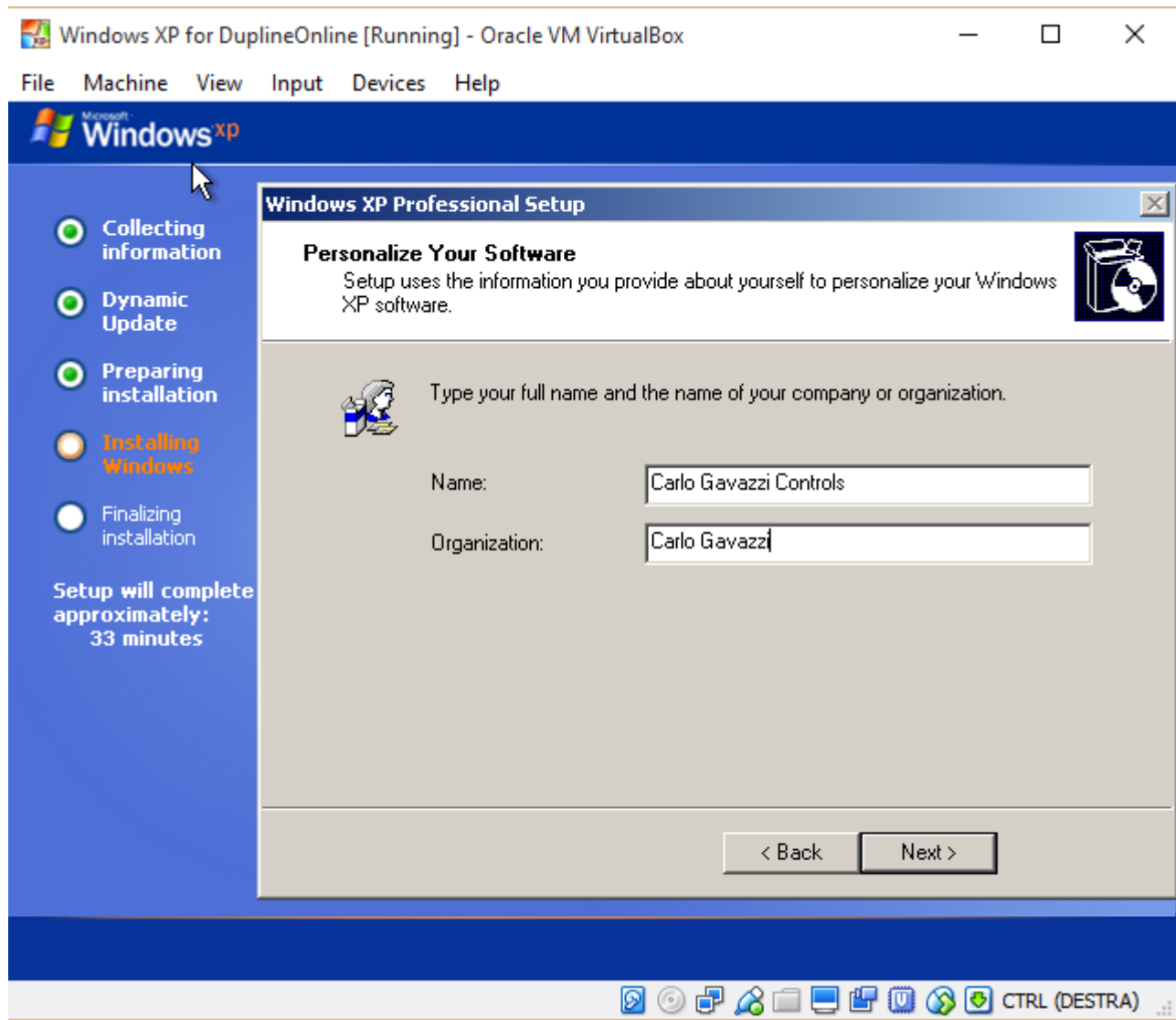
Select the folder where the .iso image of Windows XP has been previously saved.

The process of installation of Windows XP will now begin and it will be the same as a traditional installation on a PC.

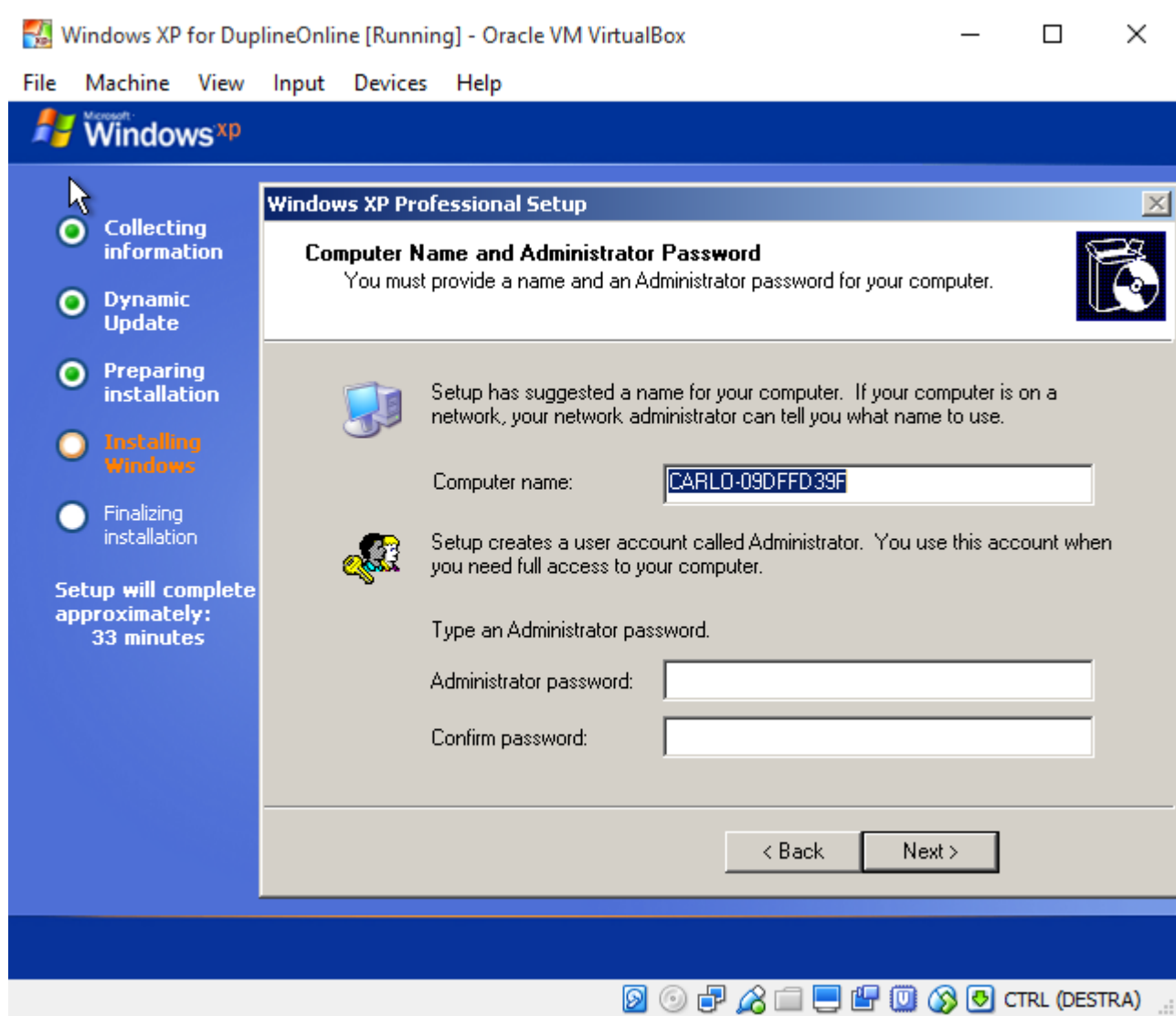
Please go on with the installation and accept formatting of the hard disk



Type the organization and the name of the system owner



Choose the password you want to use



And, if required, type a name for the workgroup (every name will be accepted).

After finishing the installing, Windows XP will startup.



As for a traditional installation, it will be asked to choose some settings for the OS.

Please choose not to use automatic updates



Help protect your PC

With Automatic Updates, Windows can routinely check for the latest important updates for your computer and install them automatically. These updates can include security updates, critical updates, and service packs.



☒ **Help protect my PC by turning on Automatic Updates now**

(recommended)



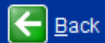
☐ **Not right now**

If you haven't turned on Automatic Updates, your computer is more vulnerable to viruses and other security threats.



For help,
click here or press F1.

No information is collected that can be used to identify you or contact you.
Please read the [Windows Update privacy statement](#).

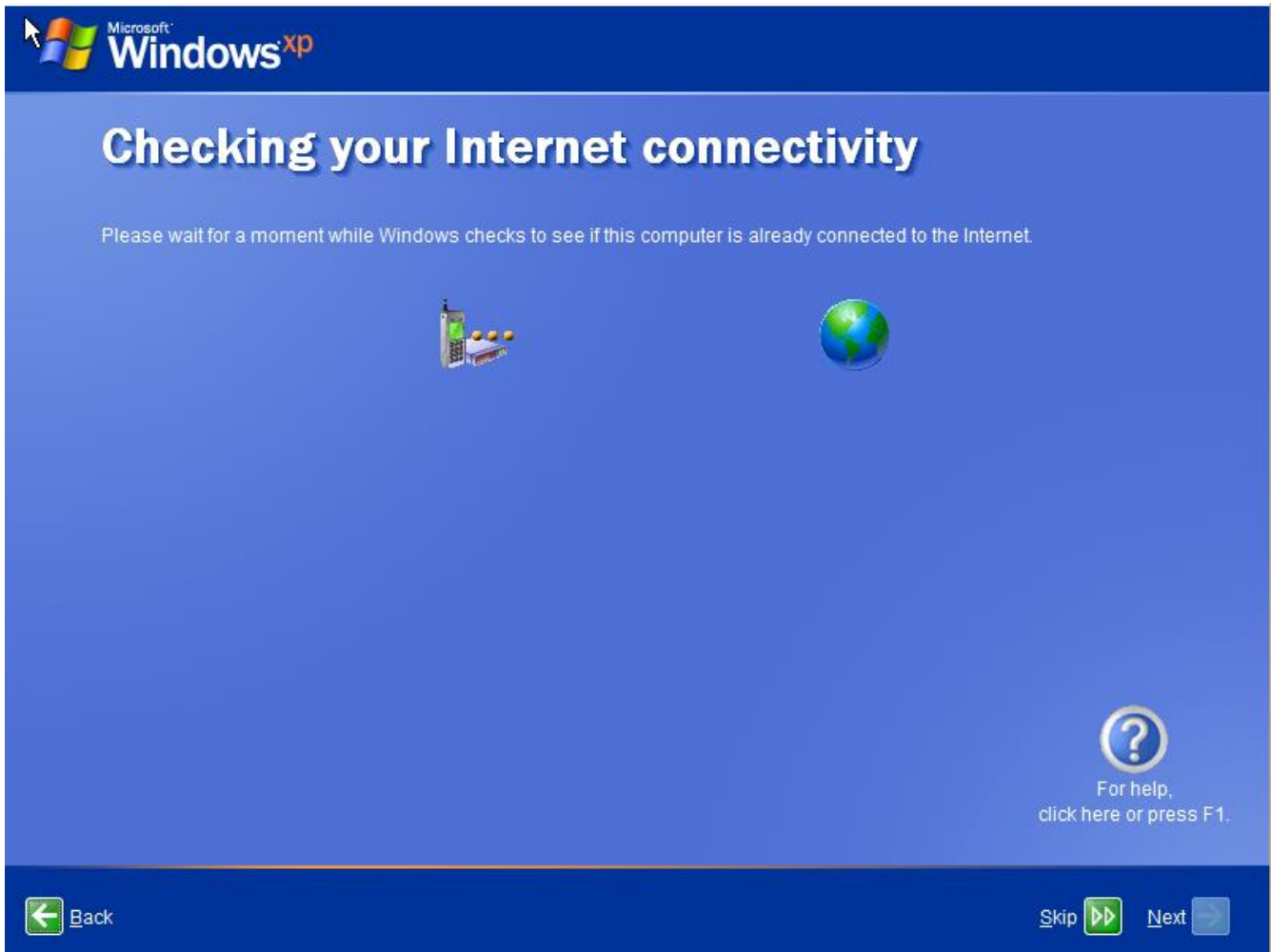


Back



Next

Then the setup will continue with the check of the connection



Please choose *"No, this computer will connect directly to the Internet"*

Will this computer connect to the Internet directly, or through a network?

You can set up this computer to connect to the Internet directly, or through a network of connected computers, if you have one. In either case, Windows Firewall helps protect your computer from unauthorized access over the Internet.

Will this computer connect to the Internet through a network?


- ☐ Yes, this computer will connect through a local area network or home network
- ☒ No, this computer will connect directly to the Internet

If you're not sure whether your computer is on a network, select No above. You can always change this option after you finish setting up Windows. Just click **Control Panel** on the **Start** menu, and then click **Network and Internet Connections**.

If you don't want this computer to connect to the Internet now, click Skip.



For help,
click here or press F1.

 Back

Skip  Next 

And not to register to Windows Online Services



Finally, choose the user for this computer

Microsoft Windows[®] XP

Who will use this computer?

Type the name of each person who will use this computer. Windows will create a separate user account for each person so you can personalize the way you want Windows to organize and display information, protect your files and computer settings, and customize the desktop.

Your name:

2nd User:

3rd User:

4th User:

5th User:

These names will appear on the Welcome screen in alphabetical order. When you start Windows, simply click your name on the Welcome screen to begin. If you want to set passwords and limit permissions for each user, or add more user accounts after you finish setting up Windows, just click **Control Panel** on the **Start** menu, and then click **User Accounts**.

For help, click here or press F1.

Back Next

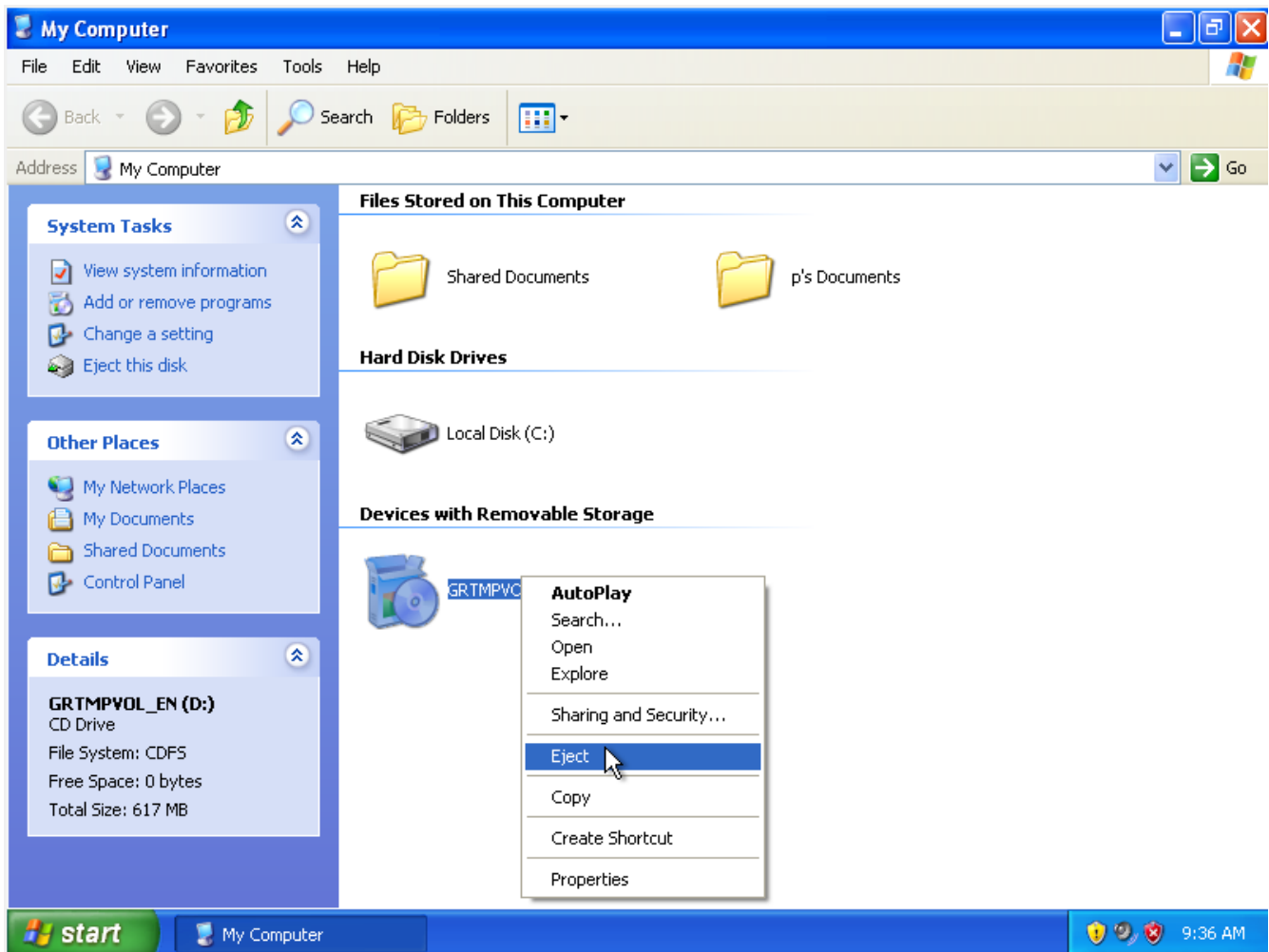
The virtual machine is now ready and functional.

It is needed to create a connection between the hard disk of the virtual machine and the one of the physical PC. To do so, we need to use a function of VirtualBox called “VBox Guest Additions” which will be installed in the virtual machine.

Open the “Start” menu and go to My Computer



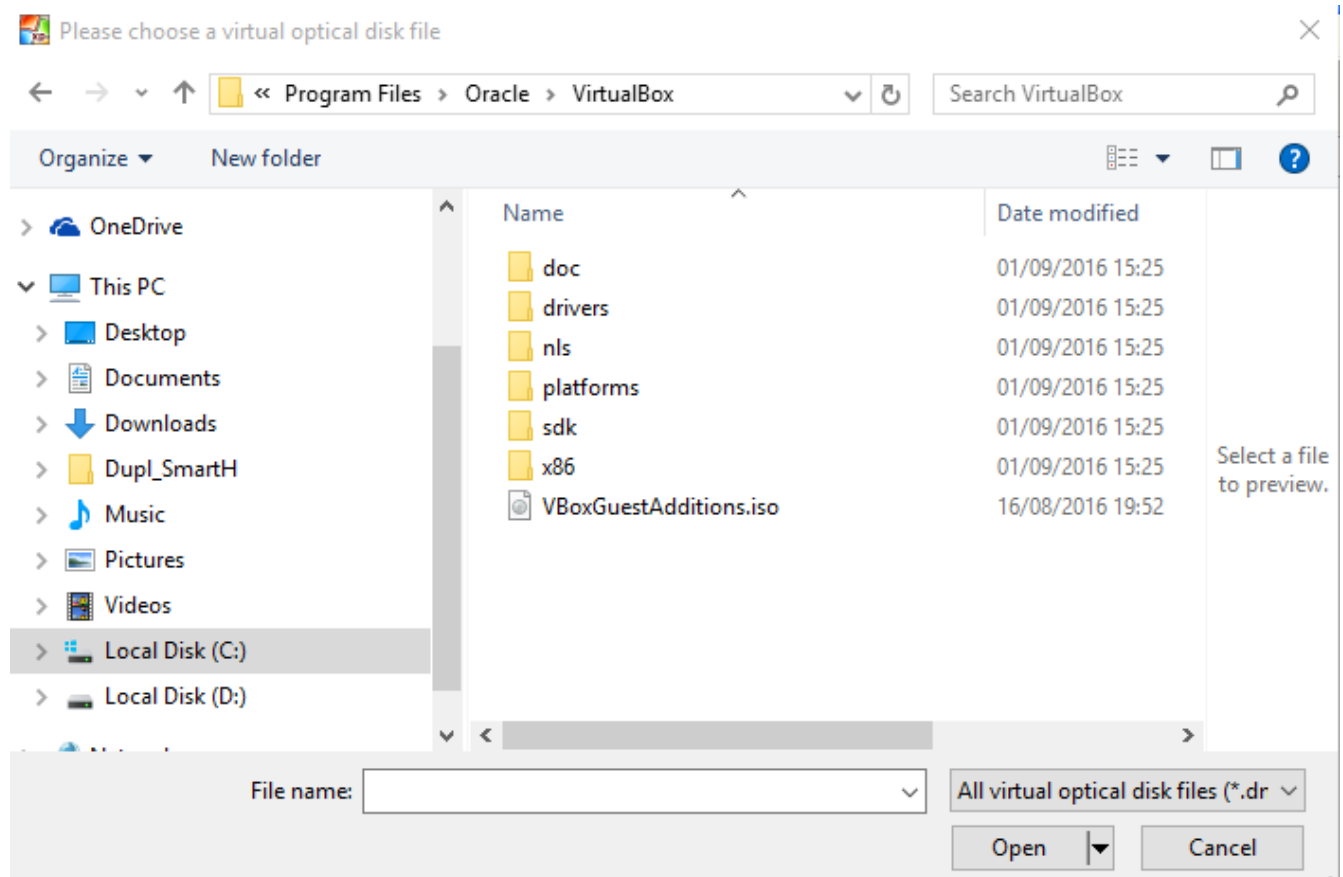
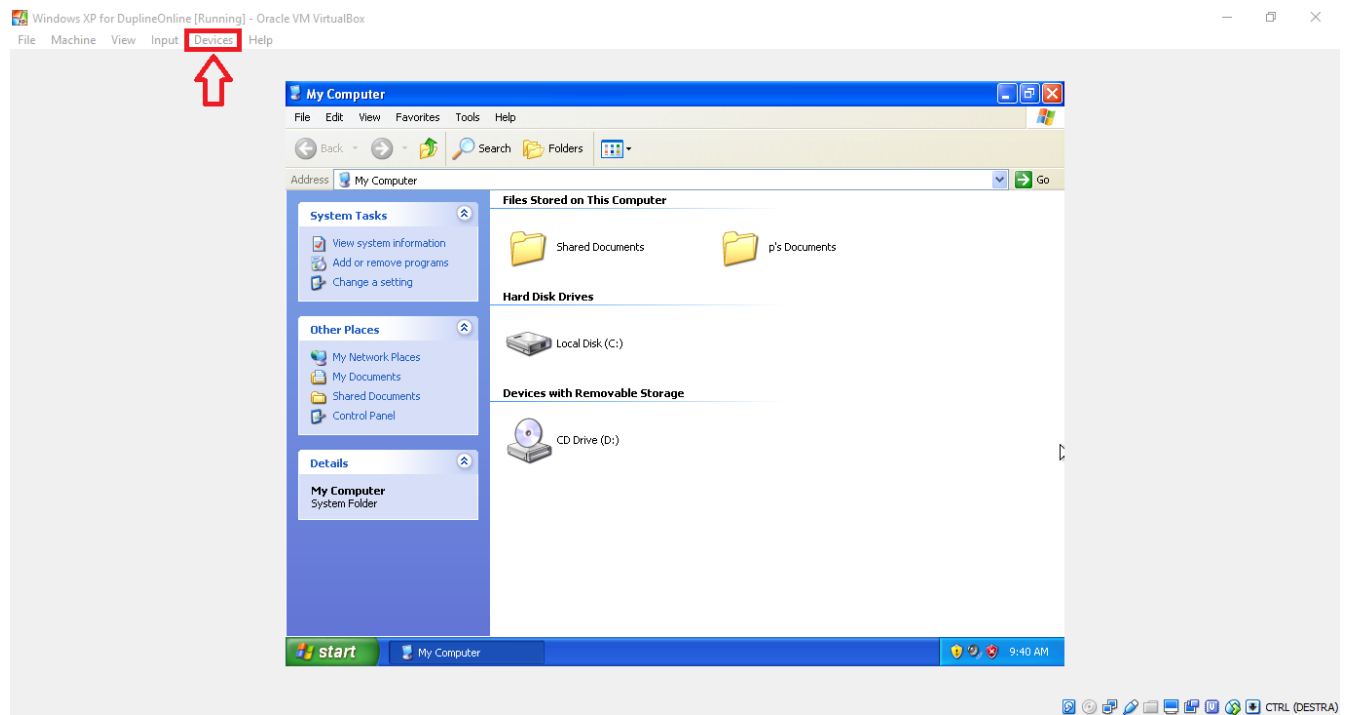
Click on the Virtual Disk and “Eject” the actual one.



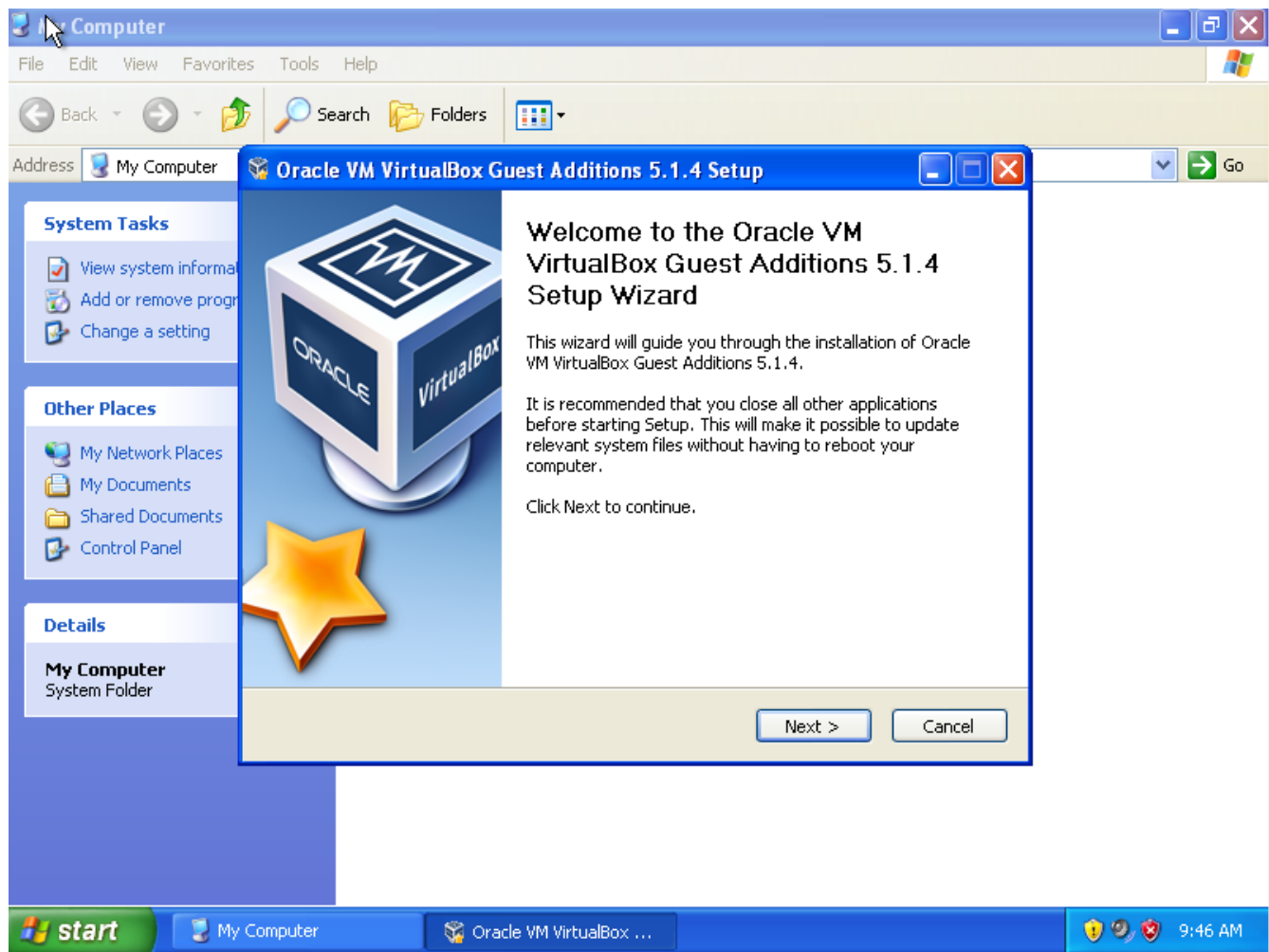
Now the “VBoxGuestAdditions.iso” file needs to be mounted on the CD Drive.

On VirtualBox window, select “Devices -> Optical Drives -> Choose Disk Image”: go to Oracle Virtual Box installation directory of the PC (i.e. C:\Program Files\Oracle\VirtualBox) and choose

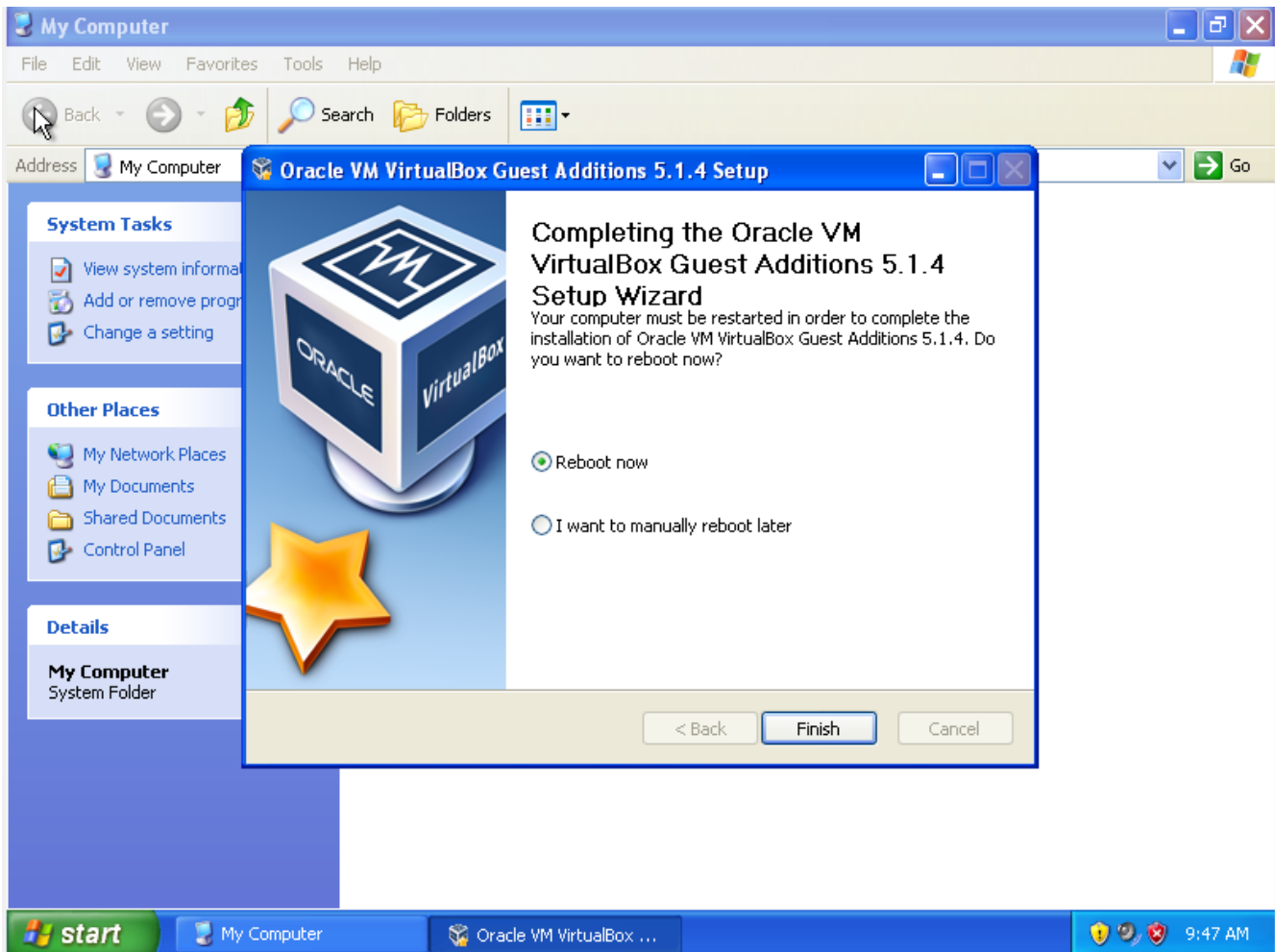
VBoxGuestAdditions.iso.



Choose Open and a Setup Wizard will automatically start.



Click Next until the end of the installation without changing any of the settings purposed.

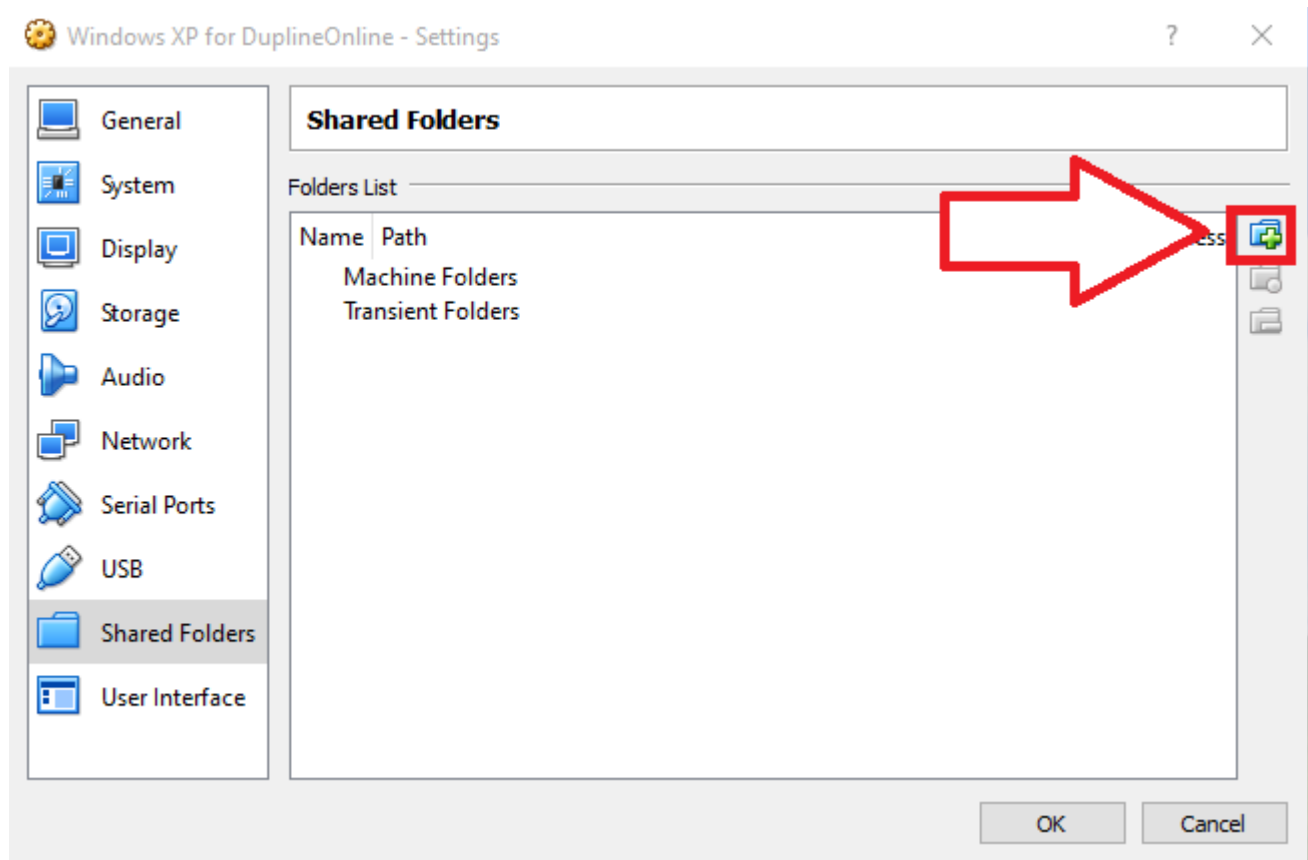


Choose “*Reboot now*”. The system will reboot.

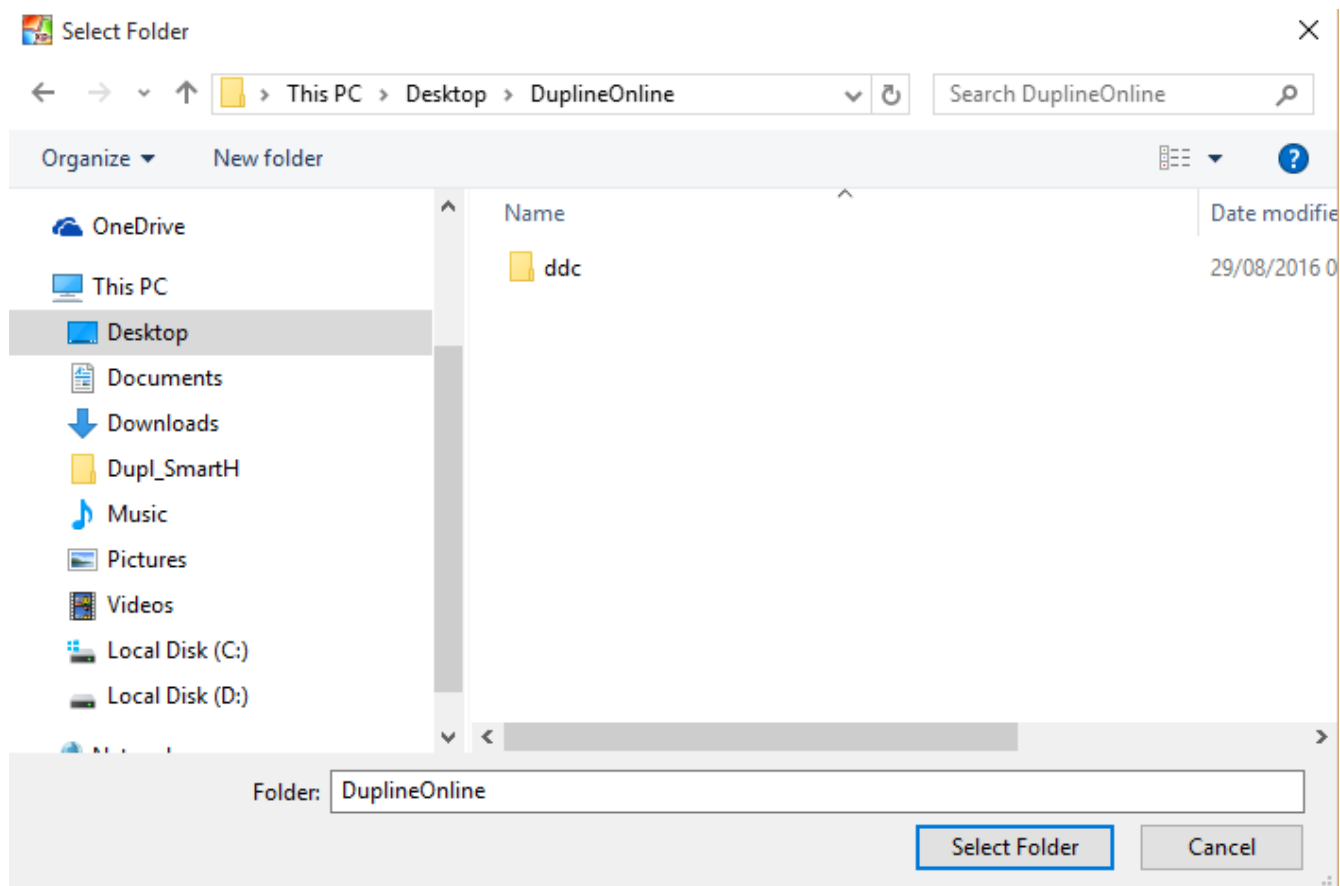
Please create on the main PC a folder where to put all the software that will be used on the virtual machine (i.e. C://Desktop/DuplineOnline).

Next step is to share this folder with the virtual machine.

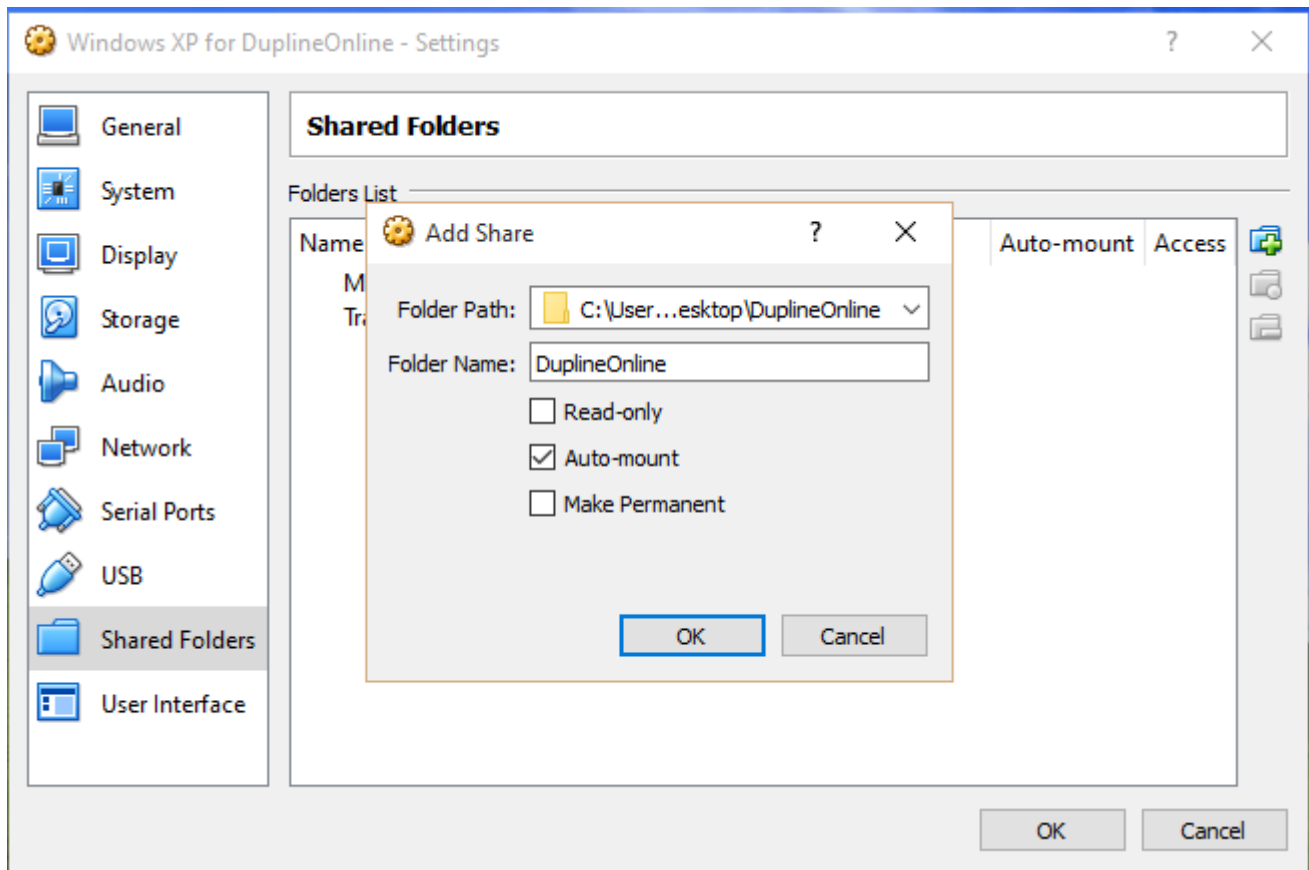
On VirtualBox interface, choose “*Devices -> Shared Folders -> Shared Folder Settings*”. Add a new shared folder.



Choose the path where the previous folder has been created.

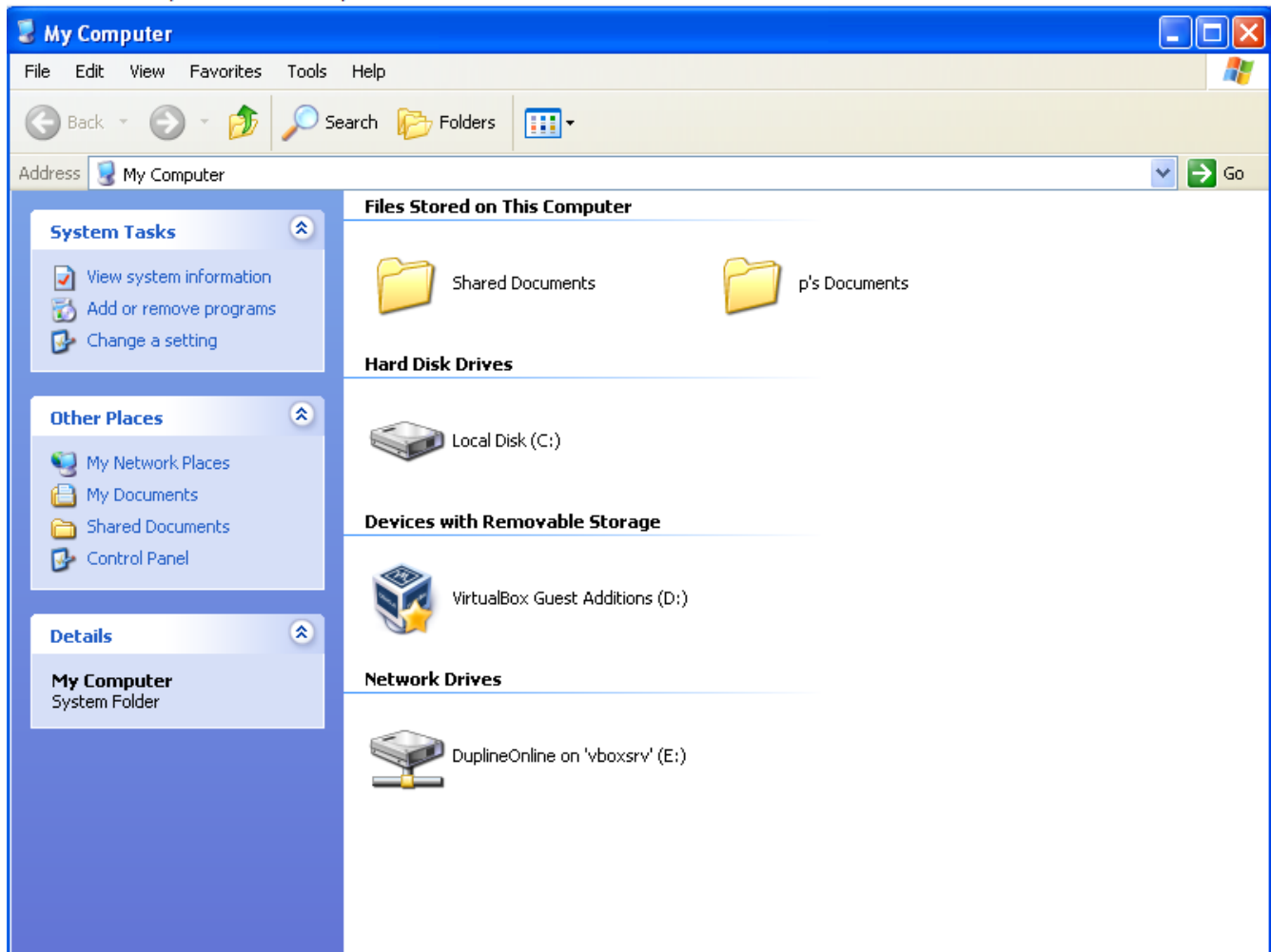


Select Auto-mount as property of the folder.



Restart Windows XP.

After the restarting, on My Computer there will be the shared folder set previously.

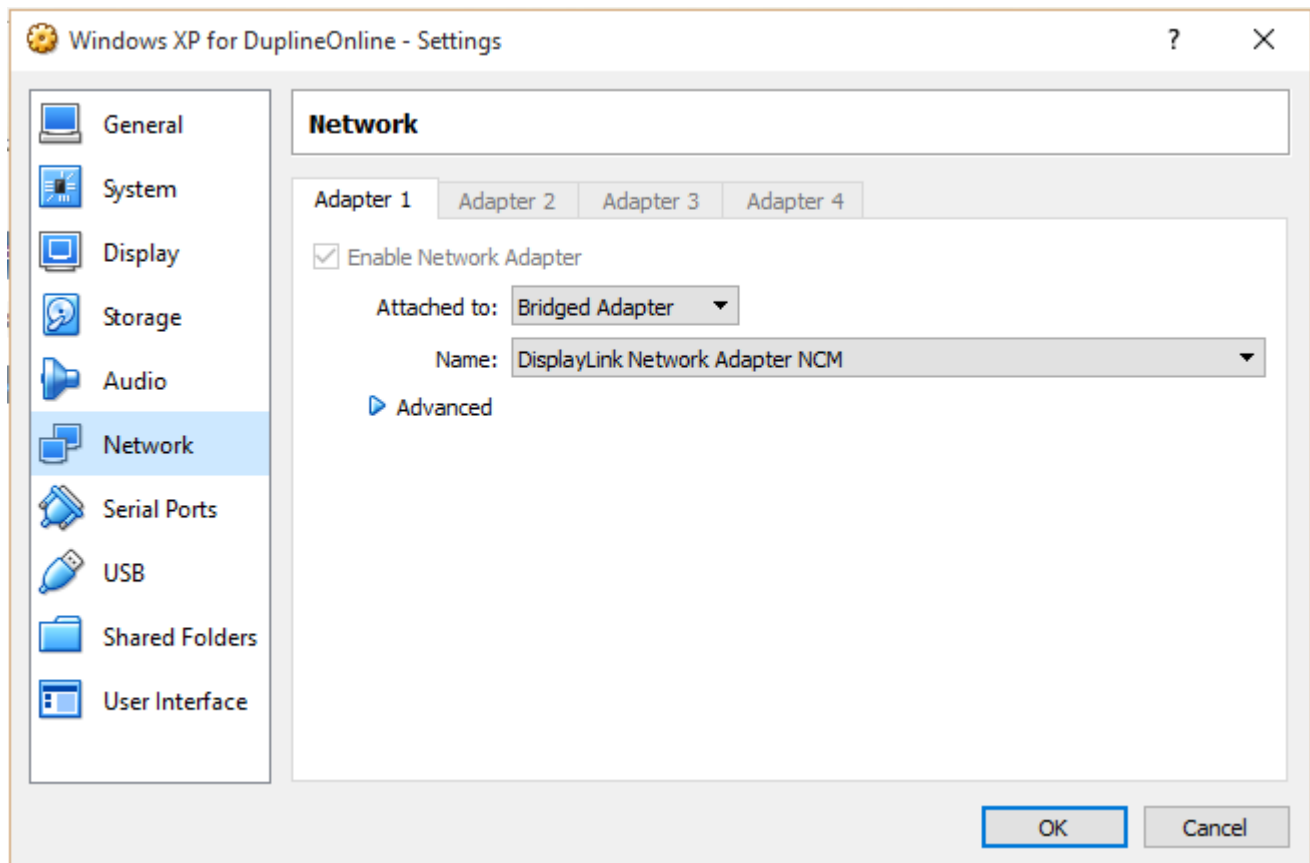


Now it is possible to proceed with the installation of the Dupline Online software as usual by selecting the proper installation files on the shared folder.

Network settings for VirtualBox

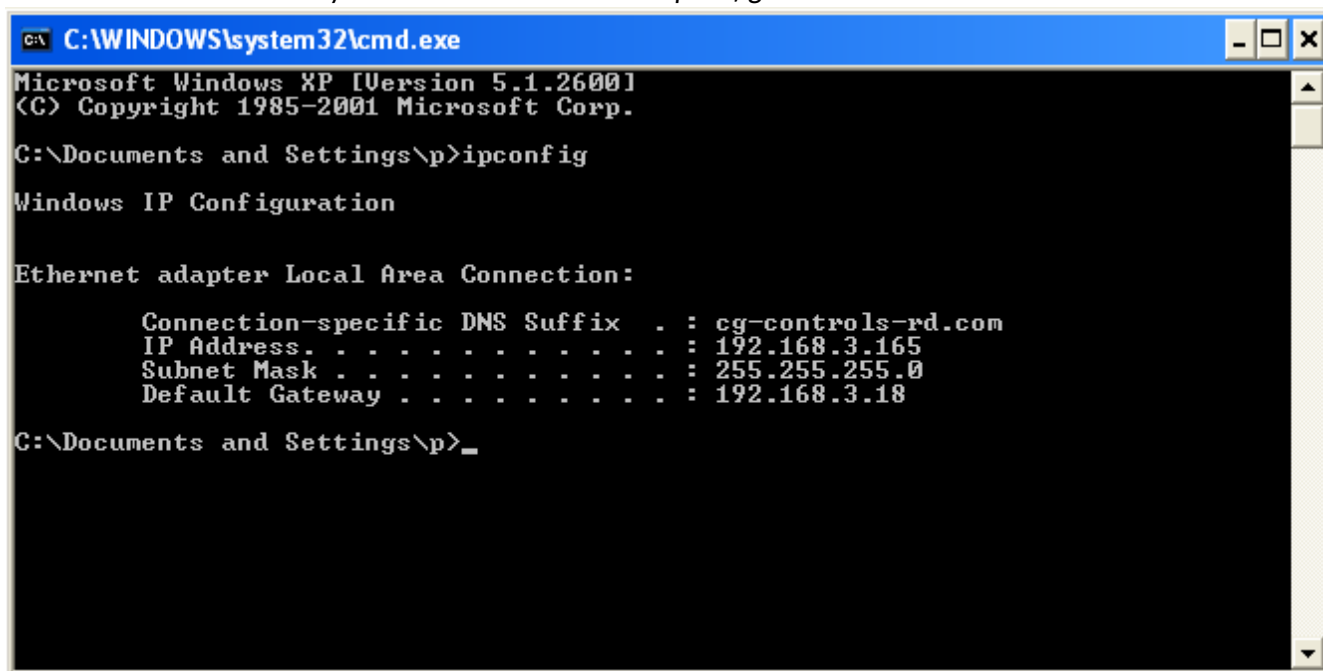
To make the system work it is important to set the network type on VirtualBox.

Go to “Devices -> Network -> Network Settings” and choose the adapter 1 to work as a Bridged Adapter.



Setting the Bridged Adapter, the virtual machine is now seen as part of the network as any other normal computer.

To see its IP address always use the DOS command *ipconfig* in the command windows of Windows XP.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\p>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : cg-controls-rd.com
    IP Address. . . . .               : 192.168.3.165
    Subnet Mask . . . . .             : 255.255.255.0
    Default Gateway . . . . .         : 192.168.3.18

C:\Documents and Settings\p>_
```

It is possible to set it with a fixed IP address as usual.

Keyboard settings

Windows XP comes with the keyboard layout based on US standard.

To change this layout see this guide

<https://support.microsoft.com/en-us/kb/258824>