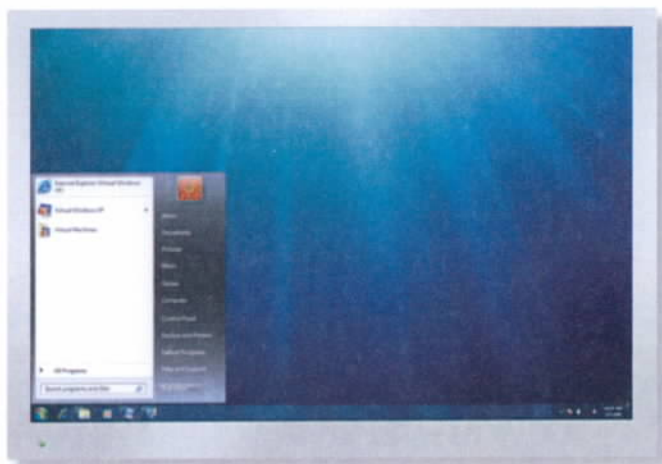


Setting up your Windows 7-based PC to run in Windows XP Mode is a simple and straightforward process.

The first thing you'll want to do is to check All Programs in your Start Menu to see whether Windows Virtual PC is already set up on your machine.



Start Menu showing Virtual Windows XP already set up.

- **If you don't already have Windows Virtual PC installed:**

The first step is setup your PC environment for virtualization. Windows Virtual PC takes advantage of hardware virtualization technology. To run Windows Virtual PC, your PC has to have Intel® VT or AMD-V™ features enabled in the BIOS. To find out if your PC is virtualization capable, visit the Windows Virtual PC support page (link: www.microsoft.com/virtual-pc/support.aspx) or your manufacturer's website for more details.

With the hardware virtualization feature enabled, if Windows Virtual PC does not appear in All Programs, you'll need to download it, as well as Virtual Windows XP, from the following website:

www.microsoft.com/virtual-pc

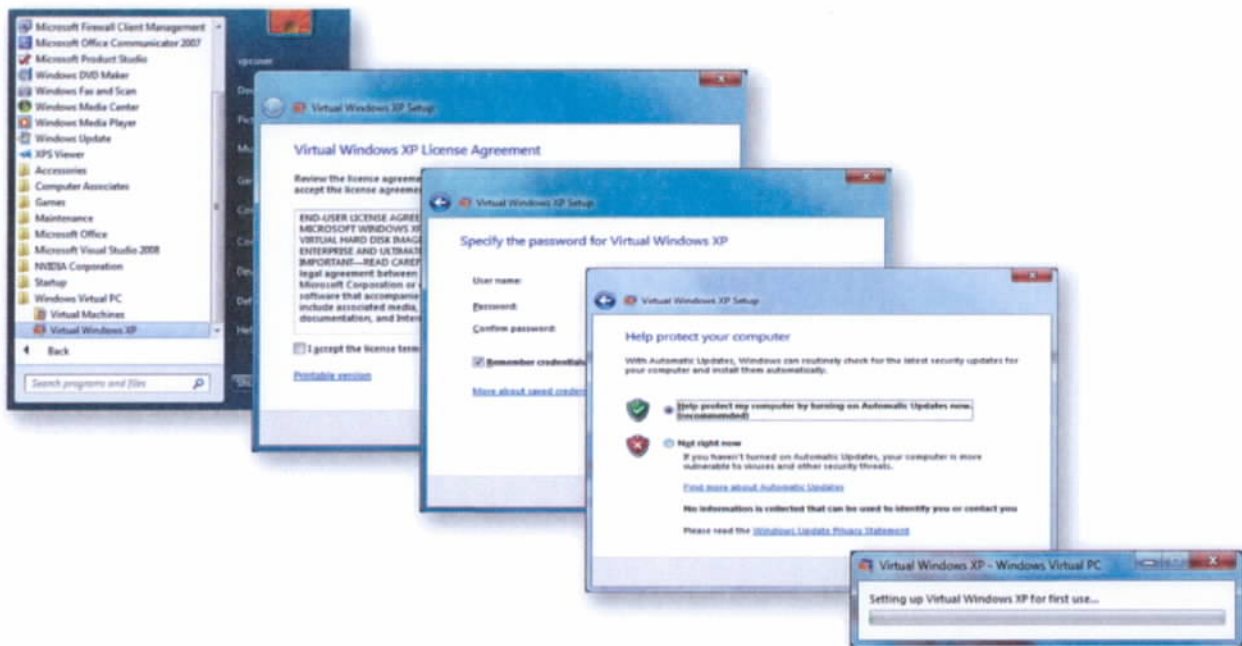
Once you've downloaded these files, double click "Windows6.1-KB958559-x86.msu (or x64-based on your system architecture)." Once it has finished installing, shut down your PC fully and then restart. Once restarted, your PC's Start Menu will include Windows Virtual PC.

- **If you already have Windows Virtual PC (or have just downloaded and installed it):**
The next step is to install Windows Virtual XP on a virtual machine (see next section).
- **Installing Virtual Windows XP:**

If you have not already downloaded Virtual Windows XP from the above link, do so now. Double click "VirtualWindowsXP.msi."

When installation is complete, go to All Programs and click on Virtual Windows XP to begin the set-up of your virtual Windows XP environment.

The set-up process for Virtual Windows XP will take several minutes. During this time you be asked to accept the Windows XP License Agreement, as well as to create a new password and whether or not to receive Automatic Updates.



Virtual Windows XP set-up process takes several steps.

Once the process is complete, you will see your new Virtual Windows XP environment as a window on your Windows 7 desktop.

An important consideration of working with virtualization technology is the fact that the user has both the physical and virtual PC to maintain. Every PC requires a degree of maintenance including but not limited to keeping the operating system and applications up to date with patches, virus and malware protection, and backup. Windows XP Mode is pre-configured with the Windows XP firewall and to apply updates automatically from Windows Update. It is not pre-configured with anti-virus or anti-malware software, and both types of security software are recommended.

You can install and run applications within this Windows XP environment (known as Desktop Mode) exactly as if you were running them on a Windows XP-based PC. If you like, you can expand the Windows XP desktop to completely fill the screen (Full-Screen Desktop Mode) by clicking on the Maximize button in the upper right corner of the window.



Virtual Windows XP in Full-Screen Desktop Mode.

When operating in Full-Screen Desktop Mode, you will notice that there is a small menu bar at the top of the desktop. This will enable you to access certain Virtual PC functions that we'll talk about later without leaving the Full-Screen mode.

Windows XP Mode for Windows 7 makes it possible for you to use many of your older Windows XP applications right on your Windows 7-based PC. As you'll see, installing and running those applications is accomplished exactly as you would in the Windows XP operating system that you've become so familiar with.

- **Installing Windows XP applications**

Install your Windows XP applications exactly as you would on a Windows XP-based PC. Click on the "My Computer" window from your Windows XP Start Menu to access the CD/DVD, internal hard drive, or external device on which your application resides. (If the external device does not appear there, see "Accessing External USB Devices" in Section IV.) Double-click on the file to be installed and follow the prompts. (Note: in order to publish your applications to the Windows 7 desktop, they must be installed for all users.)

You can create a desktop shortcut for your application on the Windows XP desktop, the Windows 7 desktop, or both. You can also pin the application to your Windows XP Start Menu, and, for added convenience, to the Windows 7 Start Menu as well. (See "Running Windows XP applications in Seamless Mode" below.)

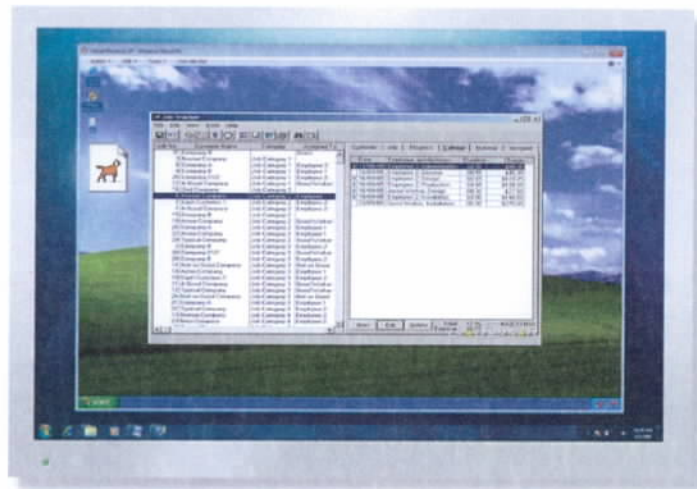


Windows XP application shortcut in Desktop Mode.

- **Running Windows XP applications in Desktop Mode**

Once you've installed your Windows XP application, it can be launched from your Windows XP "All Programs" list or Start Menu. Create a desktop shortcut to launch the app from the Windows XP desktop whenever you're operating in Desktop Mode (i.e., from within the Windows XP environment).

You can close application windows or minimize them to the Windows XP Taskbar as desired.



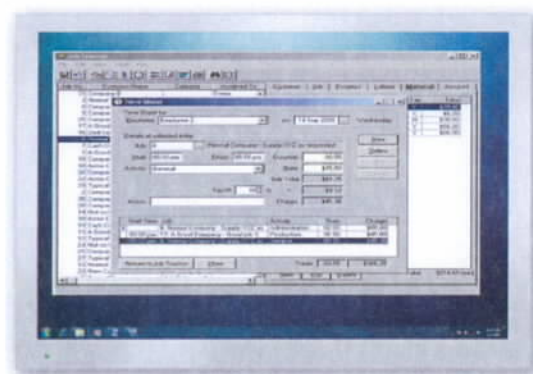
Windows XP app running in Desktop Mode.

- **Running Windows XP applications in Seamless Mode**

Windows XP Mode for Windows 7 enables you to run your Windows XP applications directly from the Windows 7 desktop in what is called "Seamless Mode." This means that once you've installed an application, it will also appear in your Windows 7 All Programs menu, along with all of your other Windows 7 applications.

Because of this, you don't have to open the Virtual Windows XP desktop environment in order to run these applications. Simply launch them directly from the Windows 7 Start Menu (or from the Windows 7 desktop, if you have already created a desktop shortcut there for the application). Launching this application means also launching the virtual machine, so it may take a moment or two for the application to complete this process.

After it is launched, the application will perform exactly like any other application on the Windows 7 desktop: you can minimize it to the Windows 7 Taskbar for future use, or close it if you prefer.



Windows XP application running in Seamless Mode.

- **Hibernation vs. Log-Off**

When you are through working with the Windows XP environment (Desktop Mode), you can put it into "hibernation" simply by clicking on the Close button in the upper right corner. It takes only a few seconds to complete this process.

If it's the first time you've run a Windows XP application in Desktop mode, you may be asked to log-off before the Windows XP virtual machine completes the hibernation process. Once you've logged on again, you can continue to work in regular Windows 7 mode, Windows XP Seamless Mode, or Windows XP Desktop Mode whenever you like.



Entering virtual machine Hibernation Mode.

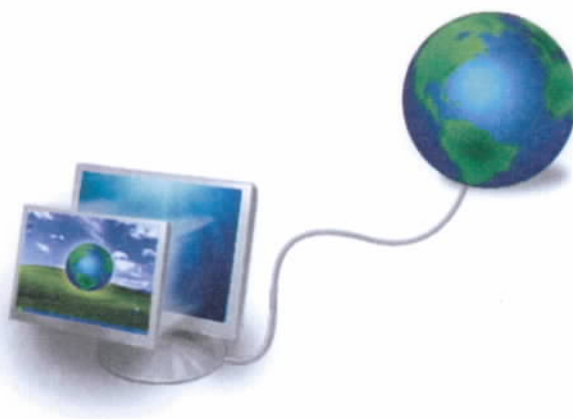
Windows Virtual PC utilizes a number of “Integration Components” to make it easy for you to access many of the same resources from within the Windows XP virtual environment as those that are used by your Windows 7-based PC.

This integration enables the two environments to share such things as network connections, clipboard content, printers, USB devices, Smart Cards, and external storage.

- **Accessing Your Windows 7-based PC’s Network Connections**

When working in Windows XP Mode, you can use the network connections of your Windows 7-based PC to access the Internet from your virtual machine. This means that many of your older Windows XP applications can access the Internet as needed, without any additional effort on your part.

If your company has a corporate network, you can domain-join the virtual machine to that network just as you would the physical machine.



Windows XP virtual machines have access to the network connections of the physical PC.

- **Sharing Files and Folders Between Environments**

Because the Clipboard is shared between physical and virtual machines, you can copy and paste any data you want between Windows XP applications and their counterparts in Windows 7.

Although drag-and-drop operations are not permitted between the physical and virtual machines, you can access your physical machine’s hard drive from the virtual machine. In addition, the physical machine’s My Documents folder will appear on your Virtual Windows XP desktop as well, for easy access to any files you may require.