Legacy Software installation on Win 7 (64 bit) – Windows Virtual PC XP Mode

When installing legacy DigiGate applications on Microsoft's Windows 7 (64 bit) operating systems it is necessary to install and run these applications under "Windows XP Mode". Windows XP Mode is a virtual XP Service Pack 3 environment that runs on Windows 7. This virtual environment allows our legacy applications to work and function as they normally would on a native 32-bit Windows XP system.

Note: These procedures are not necessary when installing on a **Windows 7 (32 bit)** operating system.

To begin installation of "Windows XP Mode" on your Windows 7 computer system follow the download and installation instructions provided by Microsoft Corporation at:
http://www.microsoft.com/windows/virtual-pc/download.aspx

NOTE: For Windows XP Mode Microsoft recommends you have a PC with Hardware Assisted Virtualization (HAV) technology enabled. For more information on HAV visit:
http://www.microsoft.com/windows/virtual-pc/support/configure-bios.aspx

For other questions and concerns please contact Microsoft Support or visit the Virtual PC FAQ page at:
http://www.microsoft.com/windows/virtual-pc/support/faq.aspx

Launch Windows XP Mode by going to Start/All Programs/Windows Virtual PC/Windows XP Mode. Once the V/M starts up, click on the "Tools" button at the top of the screen, then left click on settings.

 The "Windows XP Mode – Windows Virtual PC Settings" window should appear with similar items as shown here:
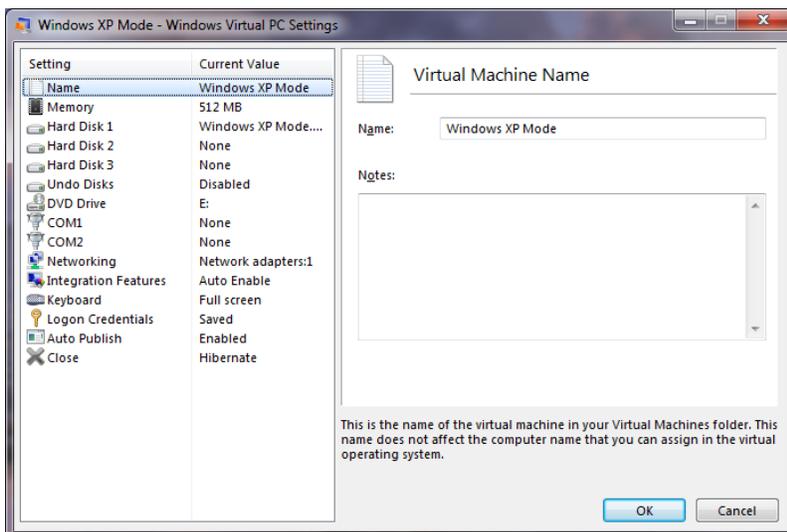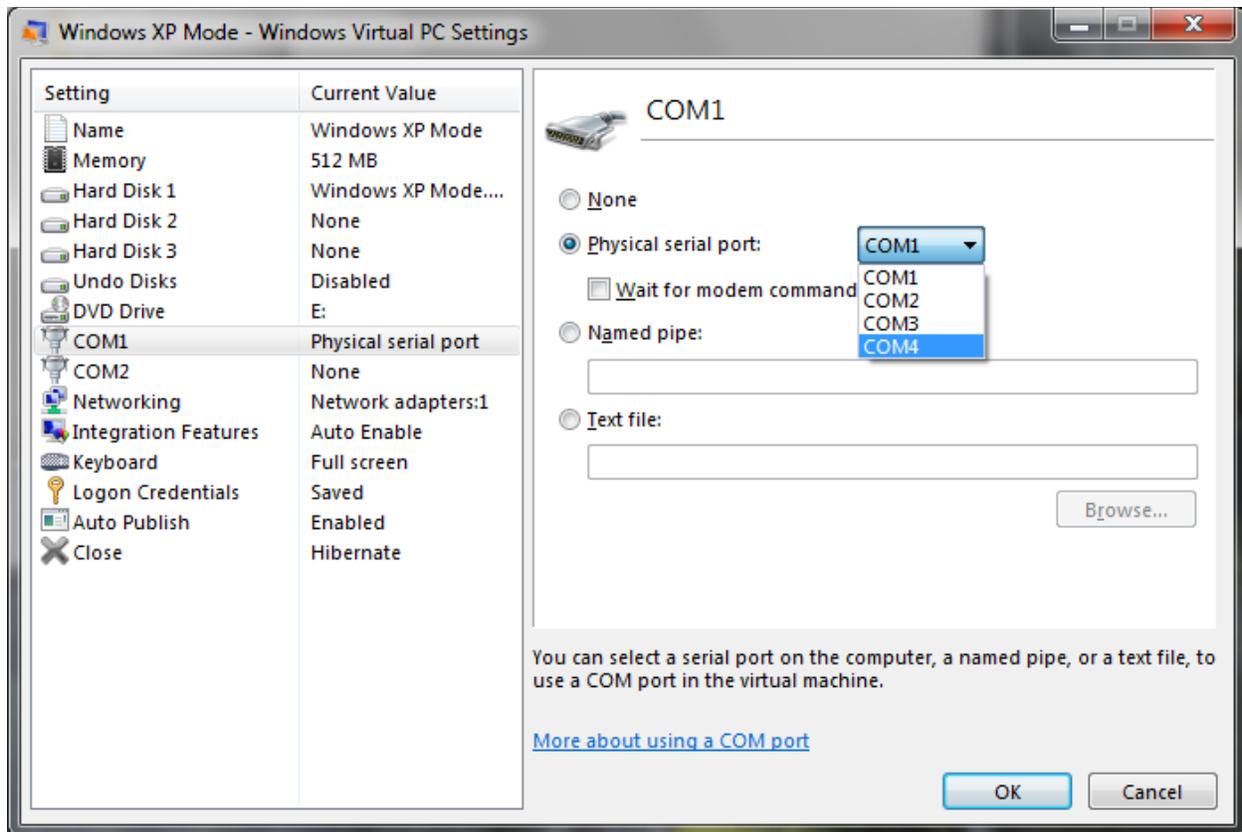
In the list on the left, click on "COM1" and then select the "Physical serial port" from the Windows 7 PC that will be mapped to COM1 in the Virtual XP machine. This COM port should be connected to a System Controller (Syscon).
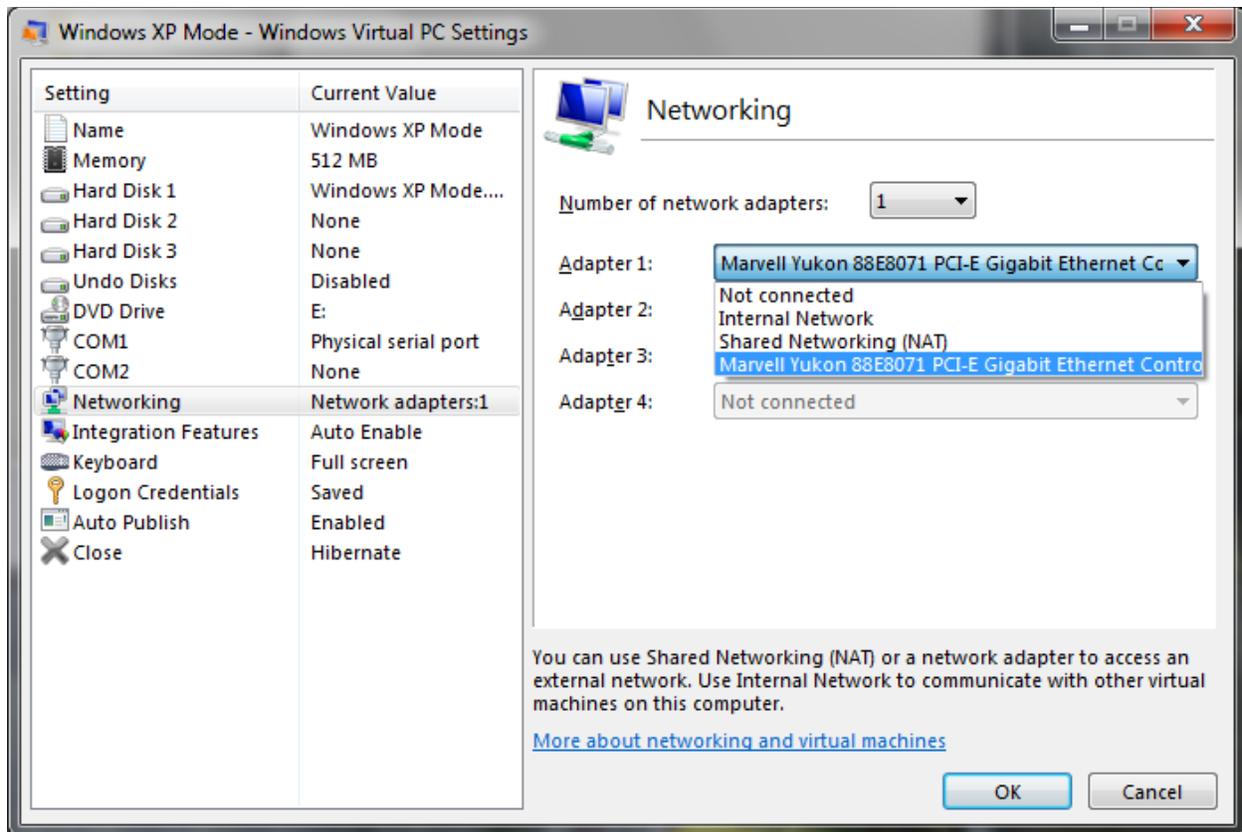
Next, click on "Networking" and change "Adapter 1" from "Shared Networking (NAT)" to the actual networking hardware that is in the computer.
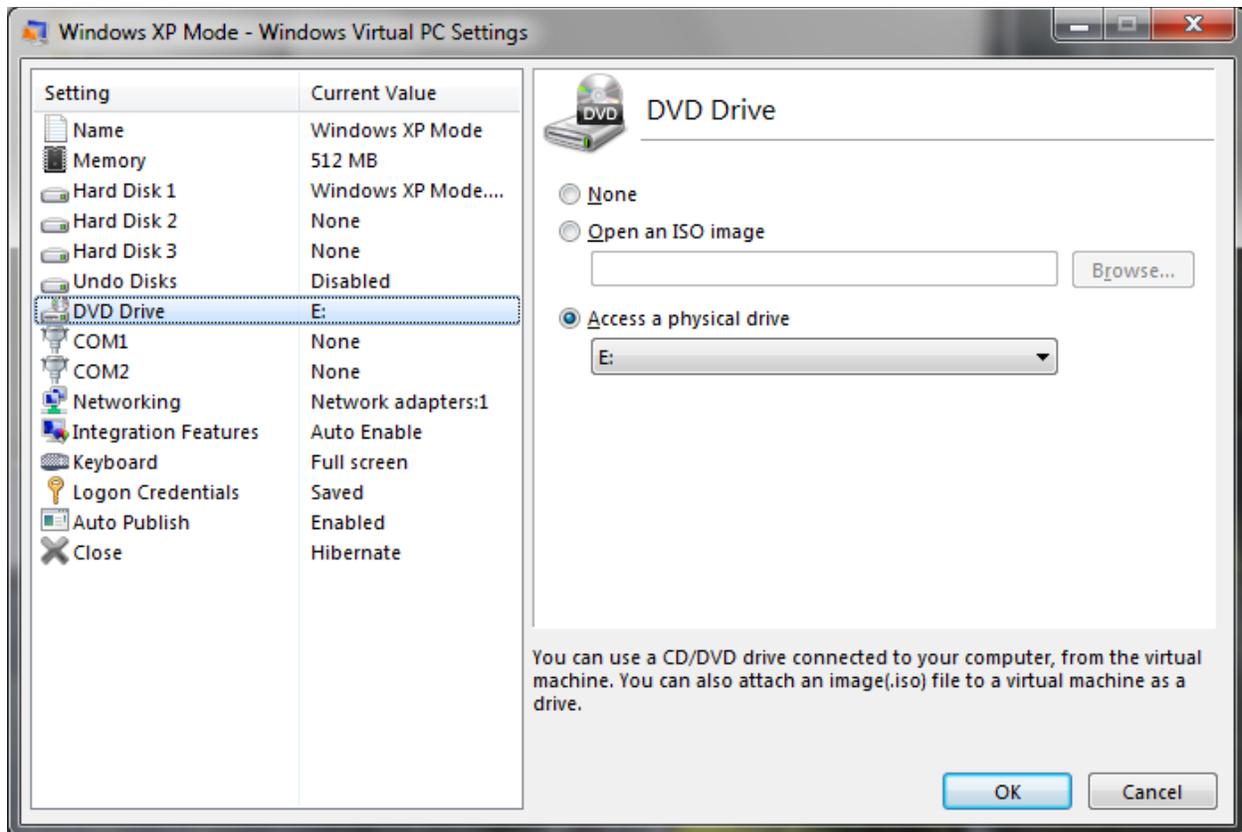
The next step is to click on "DVD Drive" to specify which physical CD-ROM/DVD-ROM drive the Virtual Machine will map and use as it's virtual "D:" drive.

In some instances the memory available to the Virtual Machine may need to be adjusted to allow the applications to run more smoothly. In that case go to "Memory" and adjust the memory accordingly. NOTE: While the virtual applications are running the specified amount of memory selected here will not be available to Windows 7. It is recommended to use only the 512MB specified by default unless otherwise directed.
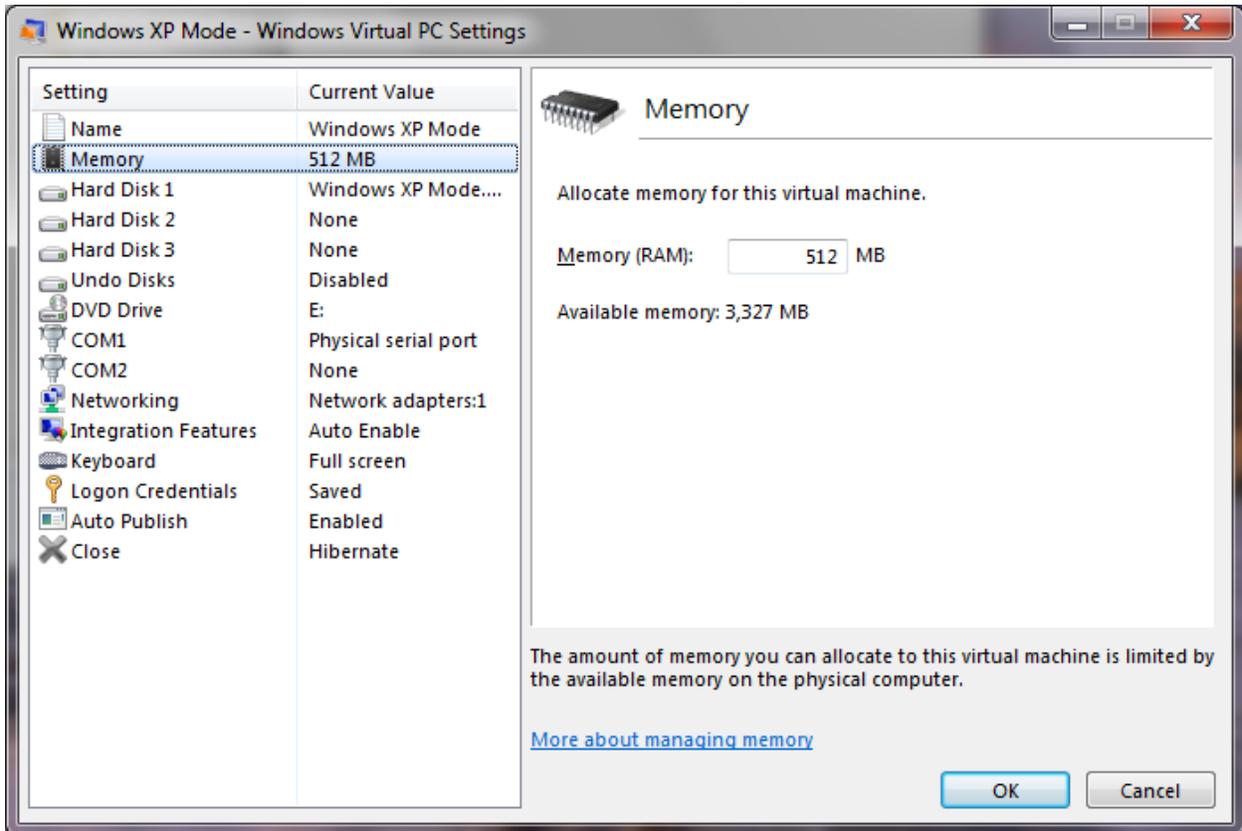
Once all the settings are changed click "OK" to save the settings.

Legacy Software Installation

In this scenario, we will be installing DigiGate for Windows. Insert the installation disc for the software you will be installing and navigate to the setup file on the virtual "D:" drive.

NOTE: Windows opened in or by the XP Mode machine will have the characteristic blue XP title bar at the top.
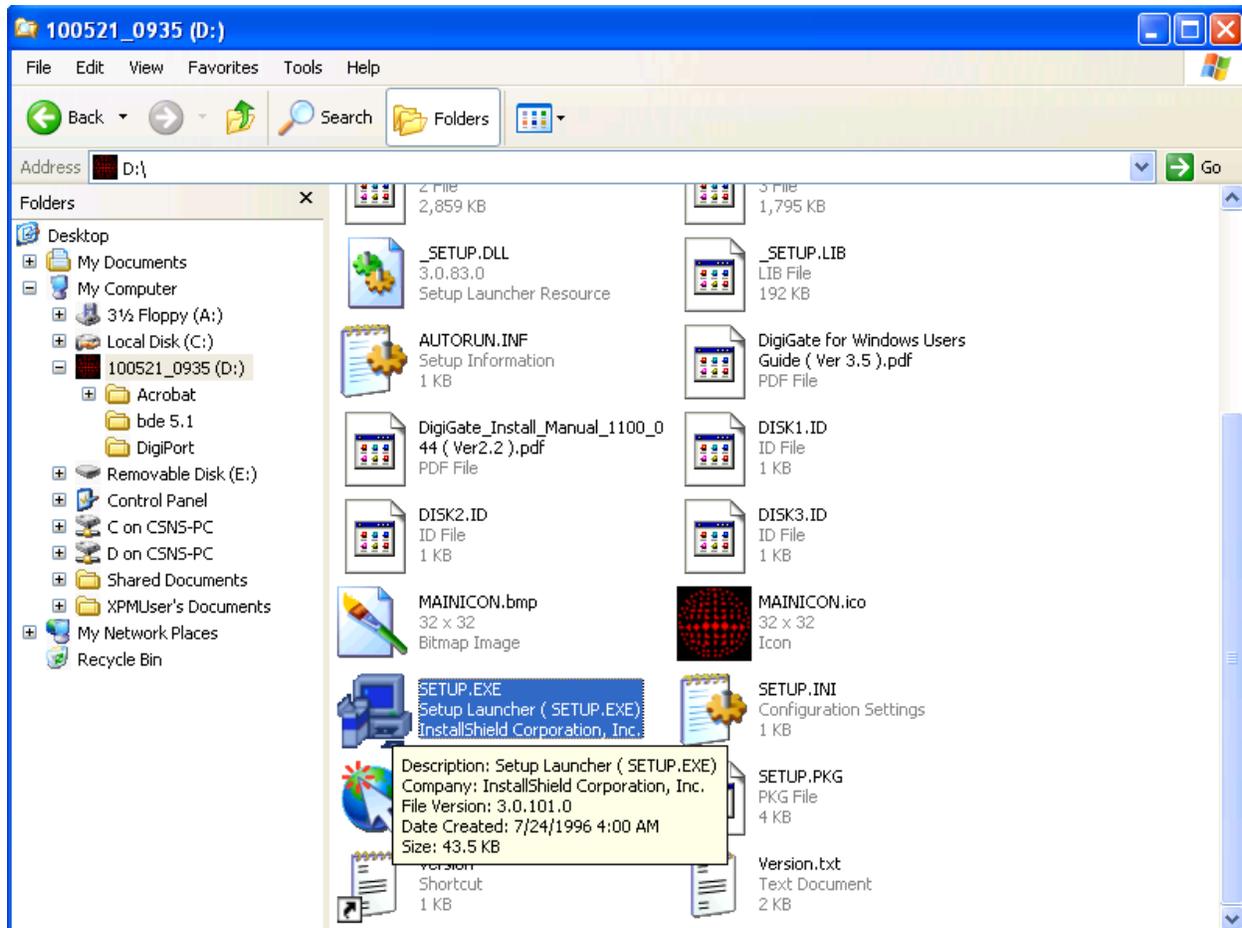
Run the setup.exe program and install the software in the Virtual PC environment.
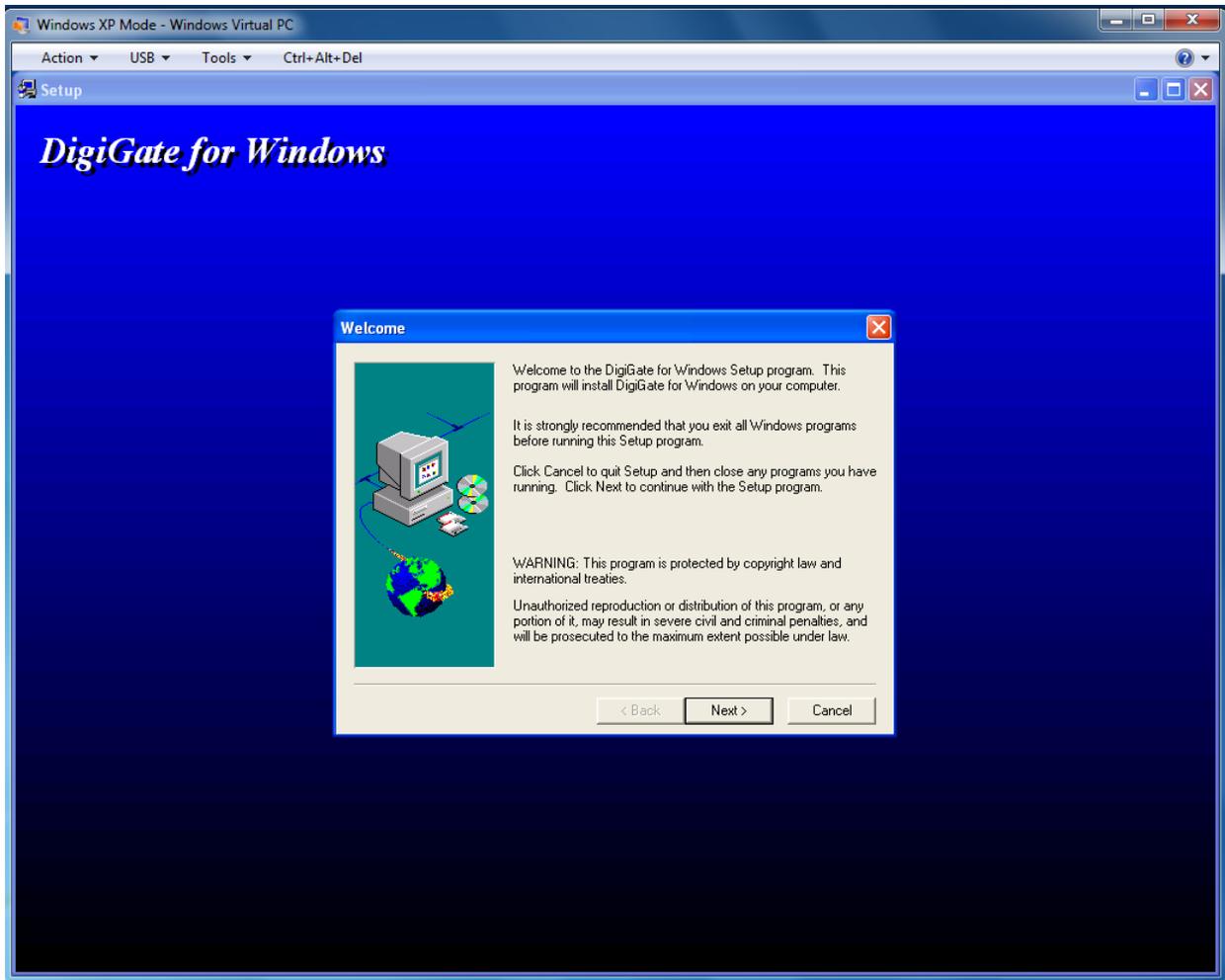
Select Next to continue through the installation process.

You can now open and run the application in the Virtual XP Mode PC.
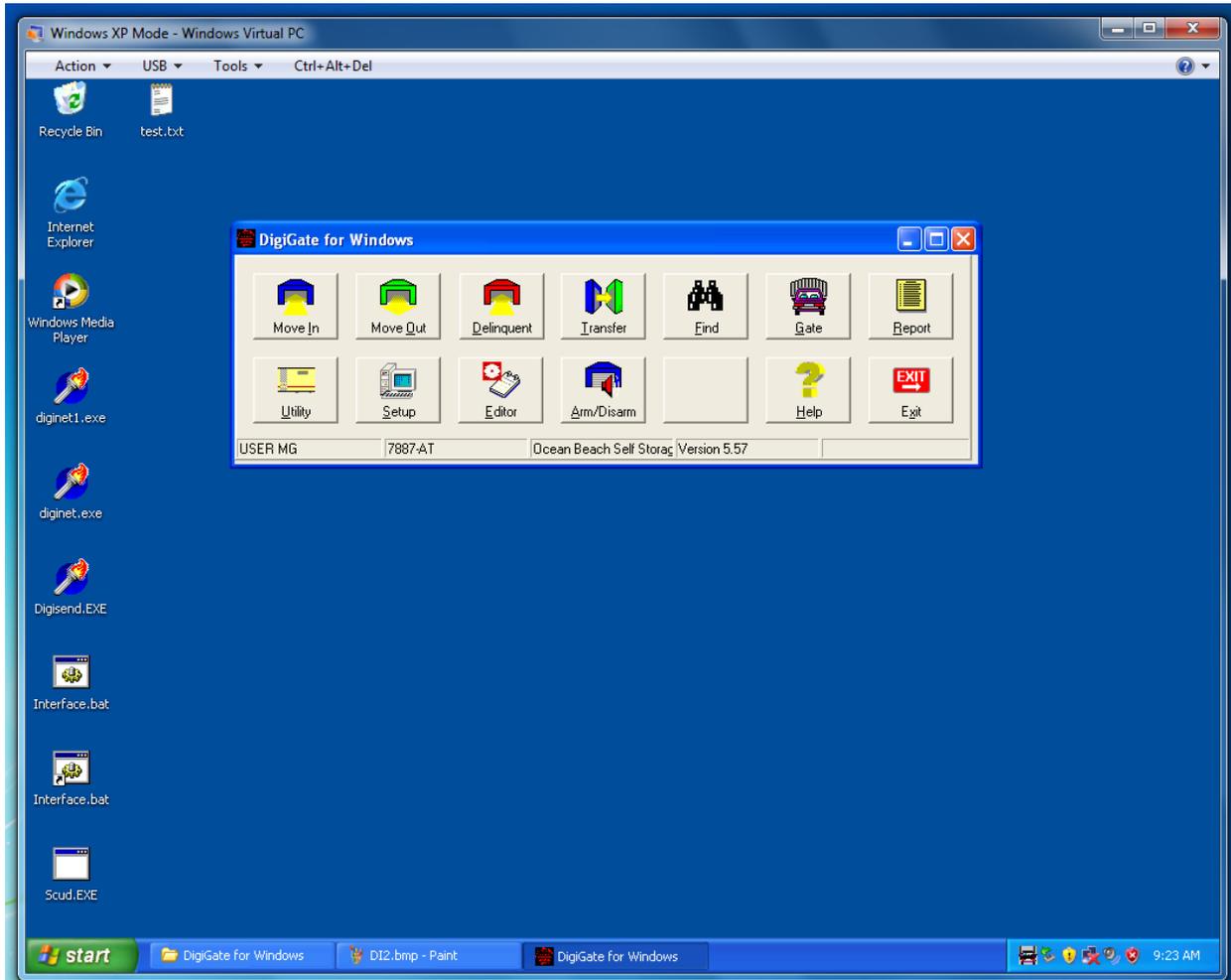
NOTE: Make sure DigiWin is setup to use "COM1" in the Virtual PC. Remember, the virtual COM1 is mapped to the selected physical COM port in Windows 7. This is configured in the Integration Features settings.

Interfacing with Management software when the Management Software is NOT running on the XP Virtual Machine.

 Note: When this is set up you will troubleshoot interface issues in the Digi folder on the Windows 7 Platform.

1. Open "My Computer" on the XP Virtual Machine and locate the C:\Digi folder. Right click it and select "Copy".

2. Open "My Computer" on the Windows 7 machine and browse to the C: Drive. Right click on the C: Drive root and select "Paste" to copy the Digi folder and its contents from the V/M to the Win 7 machine.

3. Open DigiWin on the Virtual platform and navigate to the accounting button (Setup/Syscon Setup/Accounting). Ensure the correct accounting company is selected.

4. Select the Link File tab and change the file location path to \\tsclient\c\digi.   DigiWin will now read the toread.fil on the Digi folder on the windows 7 platform.

Test the interface from the Management Software by either modifying a single gate code or by sending all of the interface data from the Management Software. Verify that the data appears in the gate software application.

Launching XP Mode apps from within Windows 7, "Seamless" mode:

1. To open an application you have installed under XP Mode in Windows 7, open the start menu and navigate to "Programs > Windows Virtual PC > Windows XP Mode Applications". Any application that has been installed under XP mode can be accessed from this location.

2. After clicking on the shortcut XP mode will attempt to open the application.
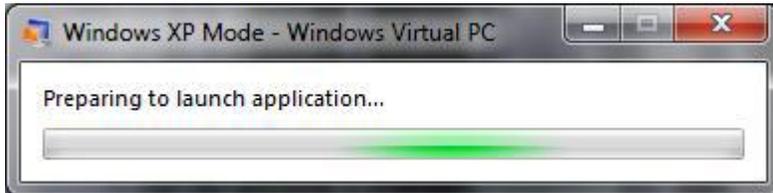
3. The application will now look as though it is running on the Windows 7 desktop, also, any tray icons/applications that are needed will show next to the Windows 7 clock.
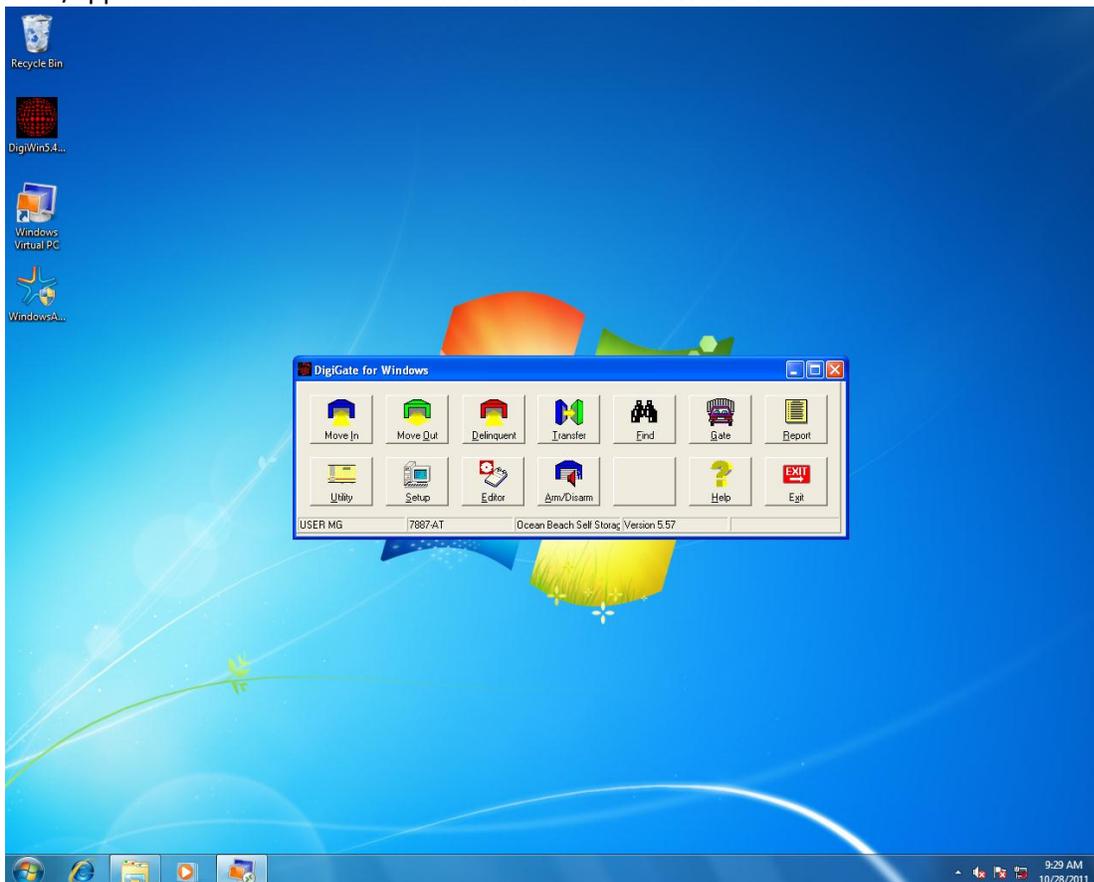
Windows 7 desktop shortcuts for XP Mode applications:

Navigate to the Windows XP Mode Application menu under the Start Menu. Right-click on the shortcut you would like on the desktop and go to "Send To > Desktop (create shortcut)".
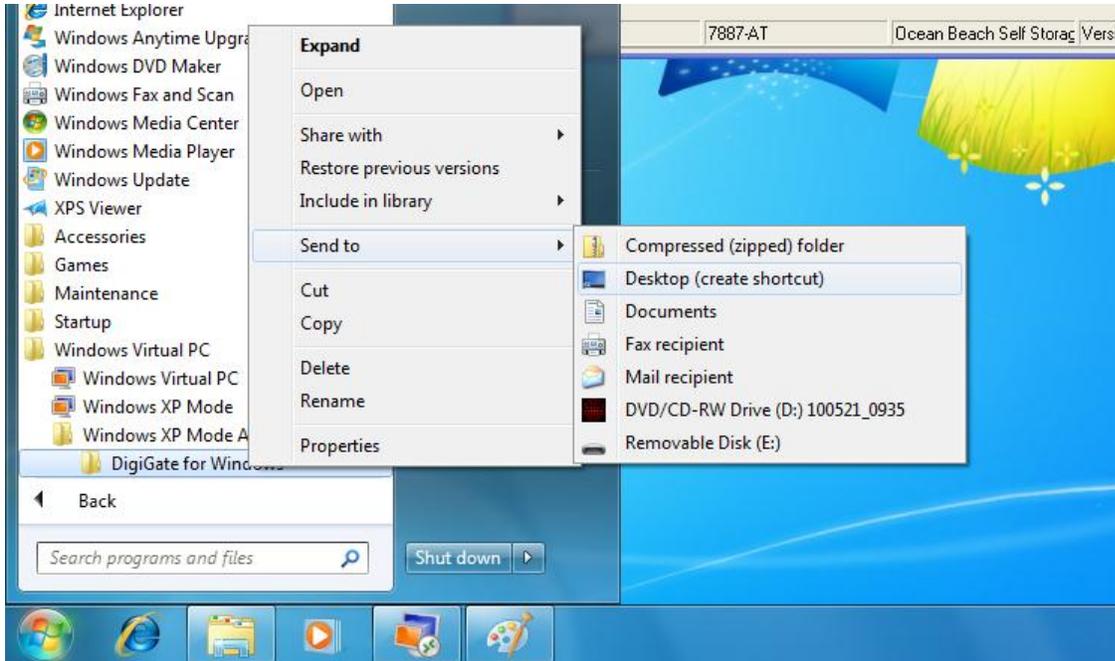
You will now see the chosen shortcut on the Windows 7 desktop. If you so choose you can rename the shortcut to eliminate the "(Windows XP Mode)" text.
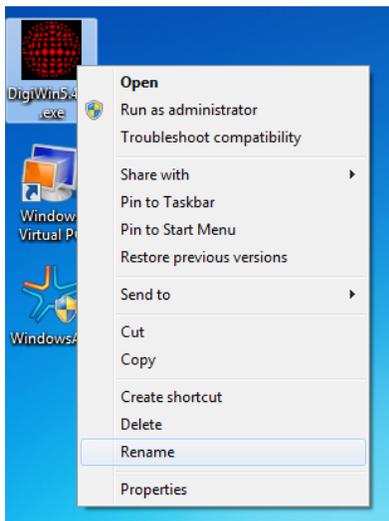
To have the DigiWin program run at startup, right-click on the shortcut icon on the desktop and select "Copy". Click on the start menu button and then right click on the "Startup" folder, then select "Paste". This will copy the shortcut to the startup folder.

Default Printer settings:

To avoid errors in DigiGate that may arise from not having a default printer, one needs to be installed and configured in the Virtual XP Mode.