Transfer Files to FreeDOS Guest OS with Shared Folders

VMware Workstation

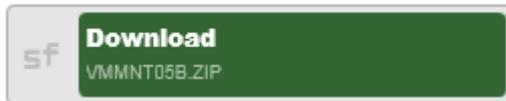# Contents

The following document will demonstrate how to enable share folders between the Host and Guest Operating Systems using VMware Workstation.

1. Download "**vmsmount**" Zip archive from the following link:

   http://sourceforge.net/projects/vmsmount/

2. Find and click on the link from the webpage as shown below:

3. Download the files to your "Desktop" location.

4. Extract the file "**VMMNT05B.zip**" to your "Desktop" location.

5. You will see a folder called "**VMMNT05B**" once you have extracted the Zip archive successfully.

6. Create an ISO disc image by adding only one file, "**vmsmount.exe**" from the "**VMMNT05B**" folder.

7. Please note that you might also get this warning message when you create the disc image because of a very small single file being added. Ignore the warning, and then click "**Yes**" when you are presented with the following:
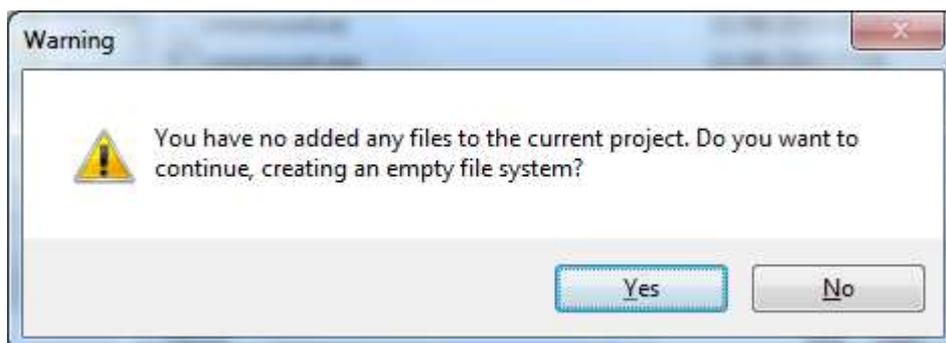
8. If you do not know how to extract the Zip archive file nor create ISO disc image file, please refer to the document, "**Virtualization - Transfer Files to FreeDOS Guest OS with ISO image 1 - Creating Disc Image**". The document outlined how to create an ISO disc image from a particular folder located under **C:** drive. You would have to select the folder and file mentioned in **Step 6** to create an ISO disc image which has a single file called "**vmsmount.ext**".

9. For this demonstration, an ISO disc image called "**vsmouont.iso**" is created in "Desktop" location. We will be referring to this location with the subsequent steps outlined below.

10. Run VMware Workstation application.

11. Click "**Edit virtual machine settings**" when you are presented with the following:
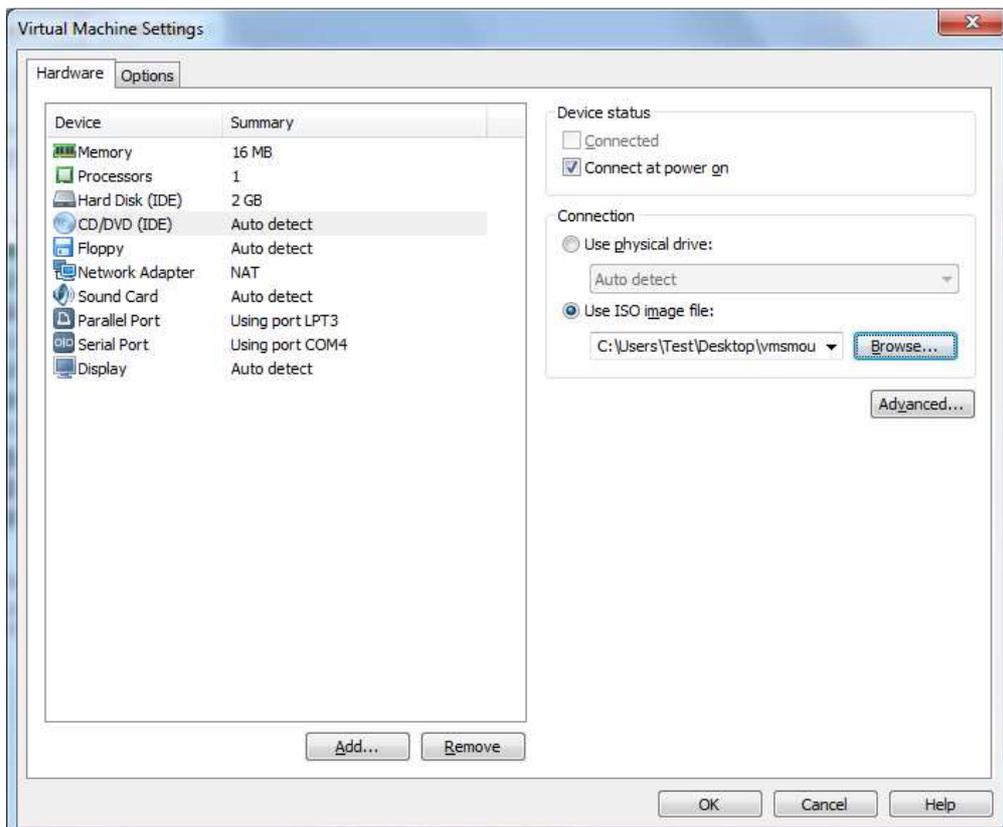

12. Select "**CD/DVD (IDE)**" on the left under "**Device**" section, select "**User ISO image file:**", and then click "**Browse…**" when you are presented with the following:

brainboxes
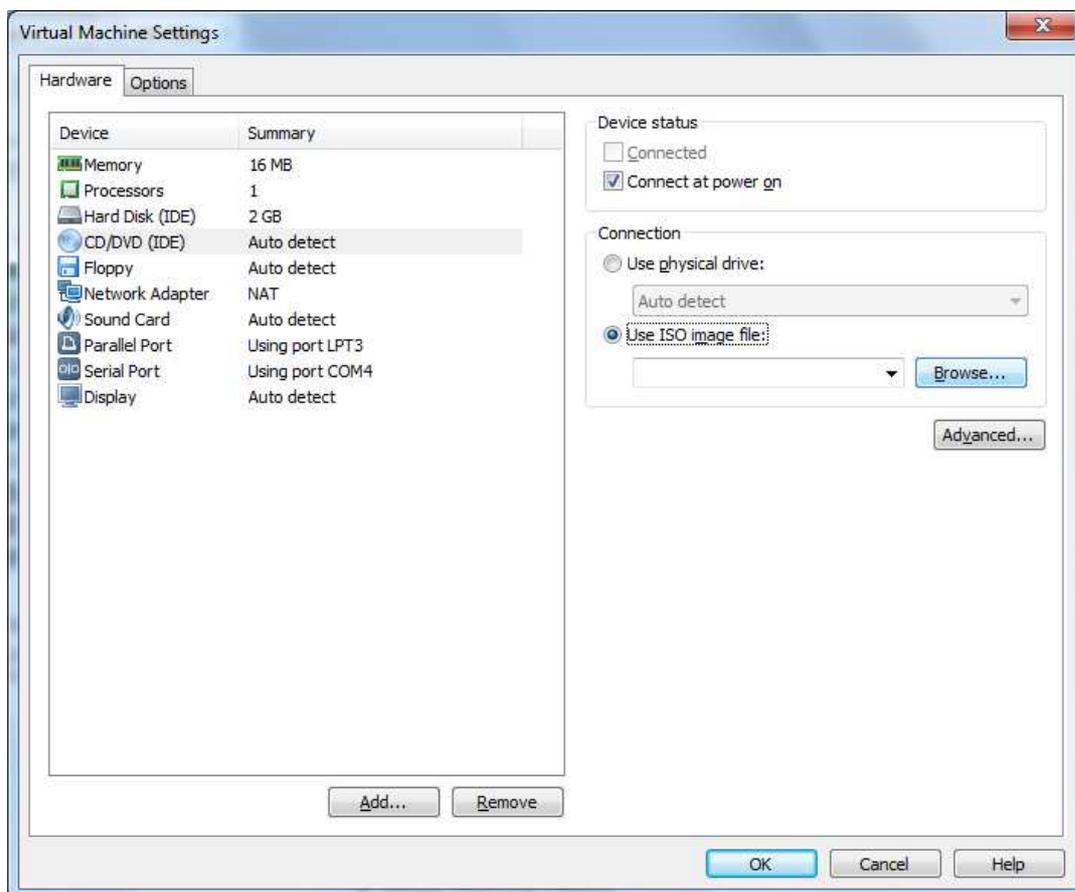
13. Select and highlight on "**vmsmount.iso**", and then click "**Open**" when you are presented with the following:
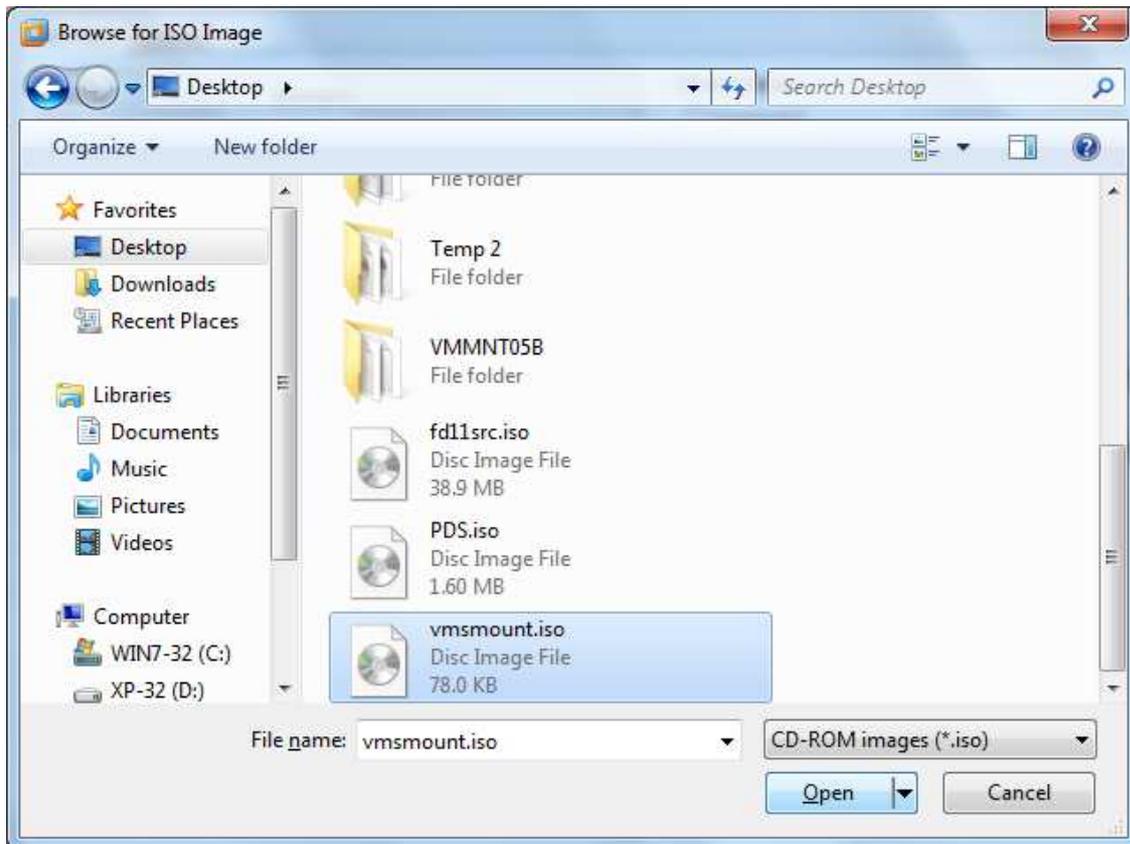
14. You will be presented with the following:

brainboxes

15. Click on "**Options**" tab, select "**Shared Folders**" under "**Settings**" section, select "**Always enabled**" under "**Folder sharing**" section, and then click "**Add…**" when you are presented with the following:
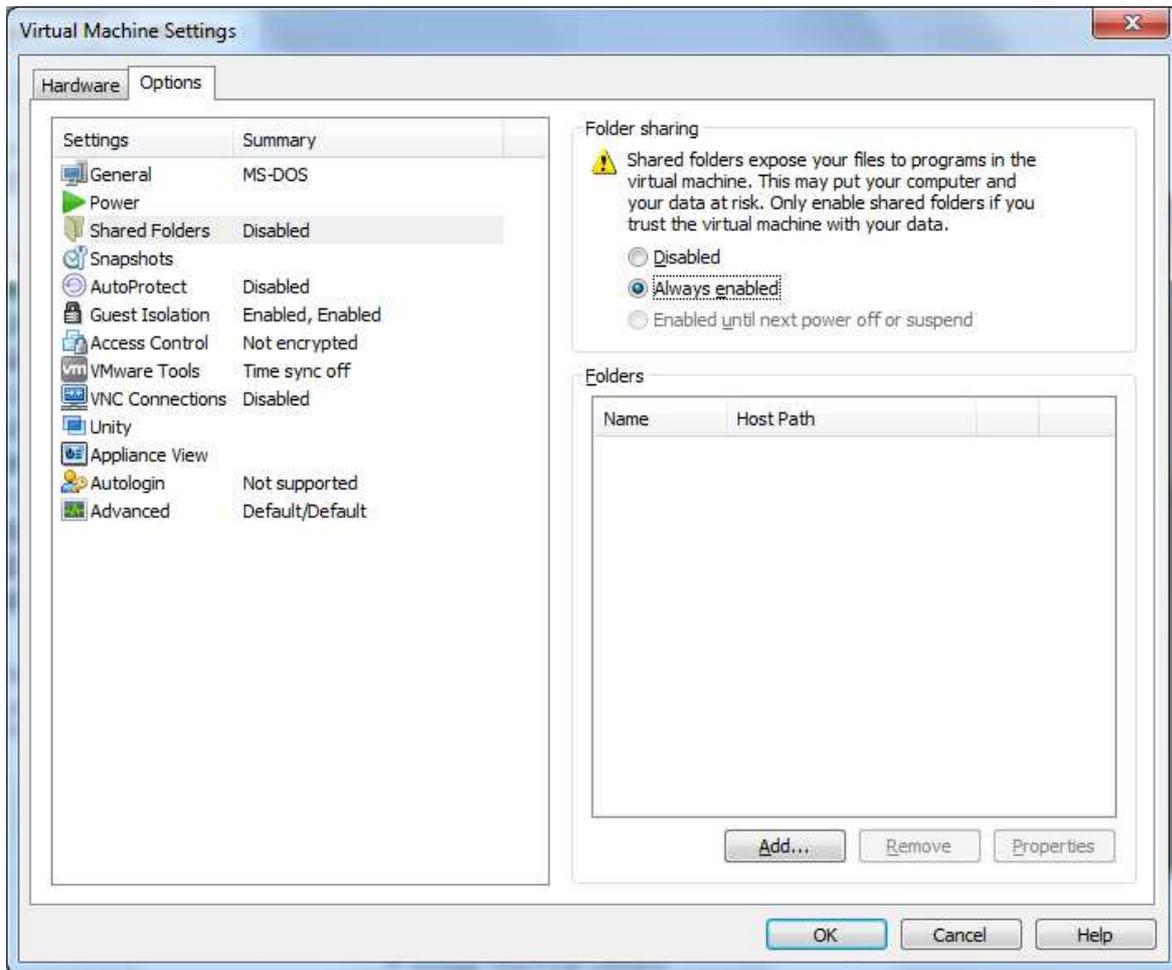
16. Click "**Next >**" when you are presented with the following:

17. Click "**B<u>r</u>owse…**" when you are presented with the following:
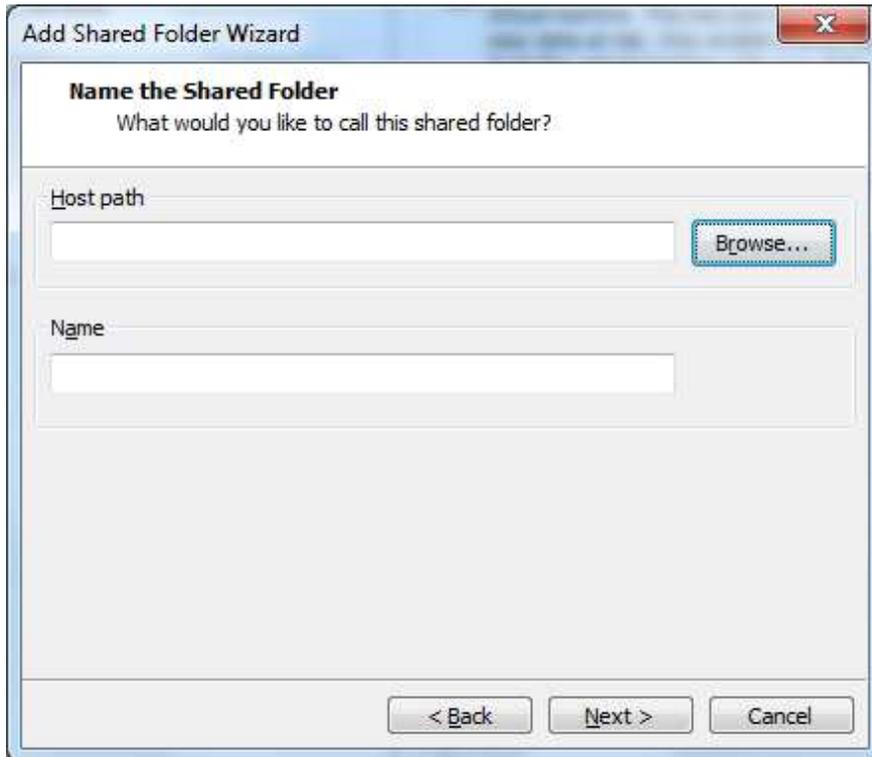
18. Browse to "**PDS**" folder located under **C:** drive, and then click "**OK**" when you are presented with the following:
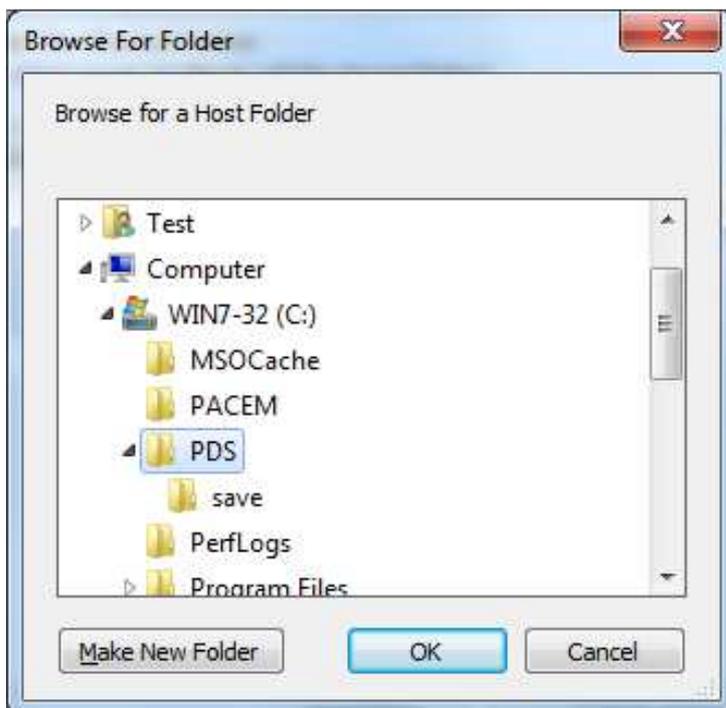
For this demonstration we are using "**PDS**" folder where we have some legacy application. Your application and folder can be different. Please choose your own accordingly. The purpose of this demonstration is to show you how you could designate a folder on the Host Operating System to be shared with the Guest Operating System for file sharing purpose.

19. Click "**Next**" when you are presented with the following:
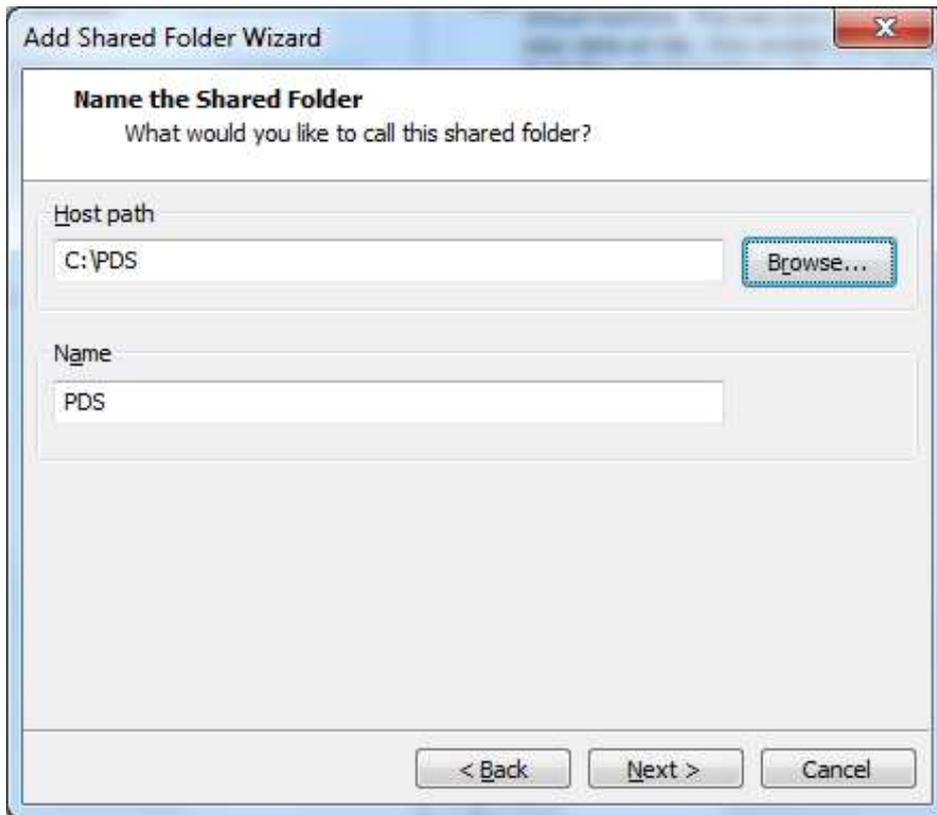
20. Select the "**Enable this share**", and deselect "**Read-only**" (unless you want read-only access to the folder), and then click "**Finish**" when you are presented with the following:
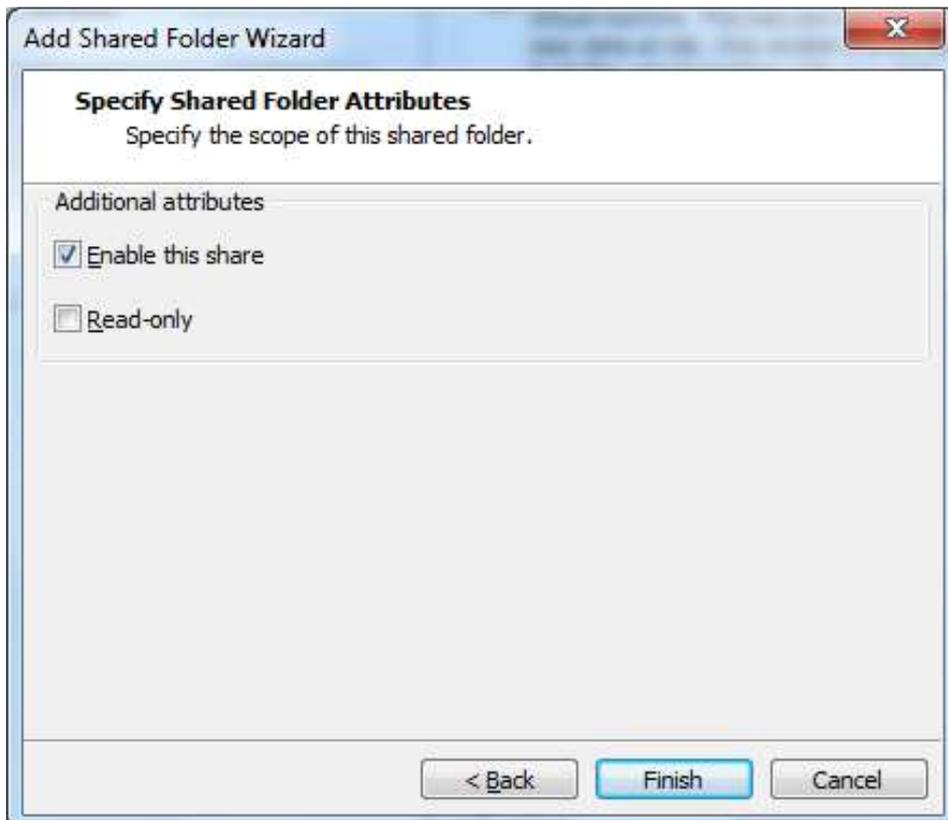
21. Click "**OK**" when you are presented with the following:

22. Click "**Power on this virtual machine**" when you are presented with the following:
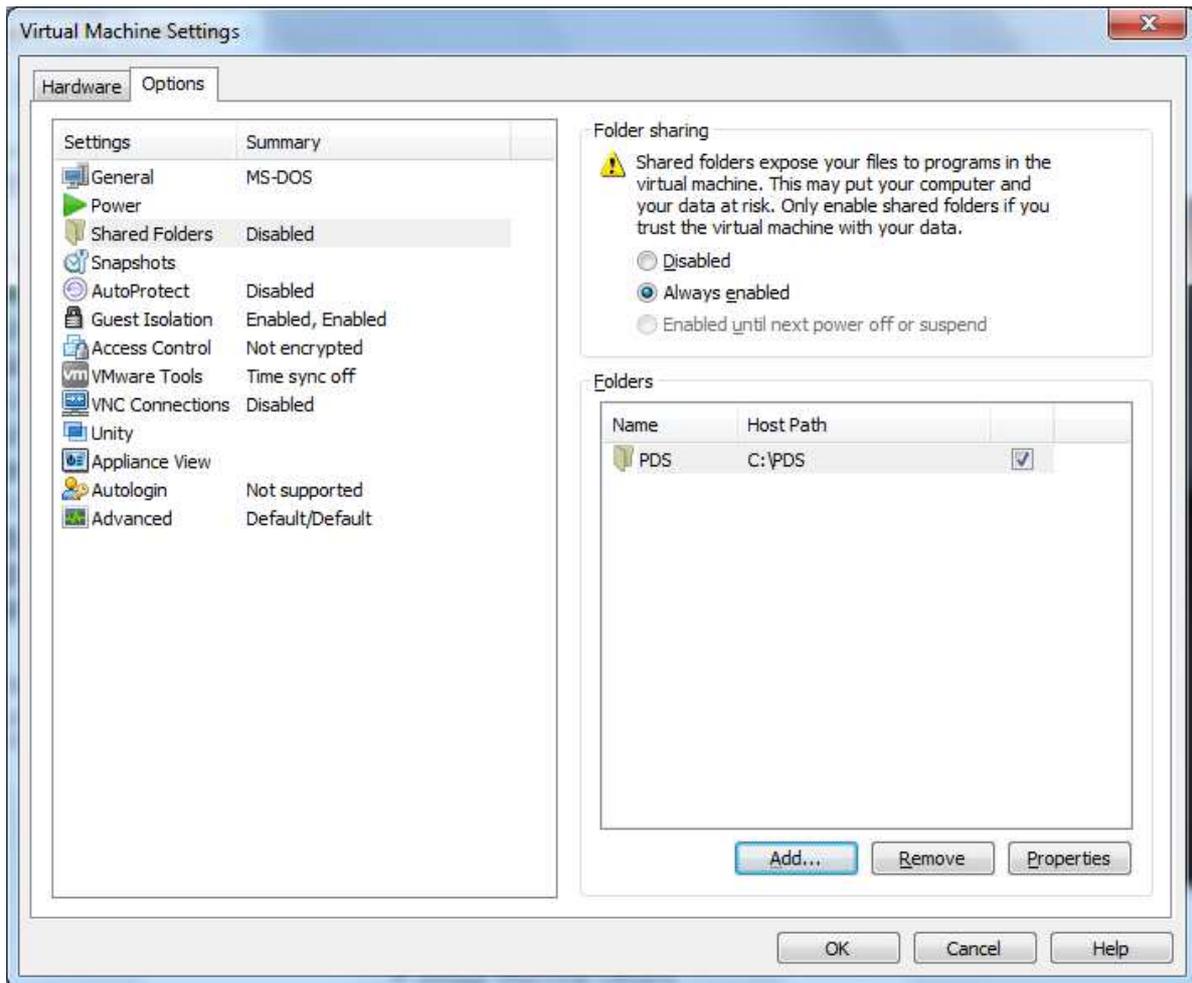
23. Wait for the FreeDOS Guest Operating System to start. After it is successfully booted, you will be presented with the "**C:\>_**" DOS Prompt.

24. Type "**md PDS**" at the DOS prompt, and the press "**Enter**" as shown below:

```
Modules using memory below 1 MB:

   Name          Total          Conventional      Upper Memory
   --------    -------------     -------------     -------------
   SYSTEM      16,752  (16K)     10,448  (10K)      6,304   (6K)
   COMMAND      4,064   (4K)      3,024   (3K)      1,040   (1K)
   SHSUCDX     11,152  (11K)          0   (0K)     11,152  (11K)
   FDAPM          928   (1K)          0   (0K)        928   (1K)
   DOSLFN      12,464  (12K)          0   (0K)     12,464  (12K)
   MOUSE        3,104   (3K)          0   (0K)      3,104   (3K)
   UIDE           960   (1K)          0   (0K)        960   (1K)
   Free       680,880 (665K)    639,504 (625K)     41,376  (40K)
   Drives Assigned
Drive  Driver   Unit
   D:   FDCD0001   0
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>_
```

25. Type "**D:**" at the DOS prompt, and then press "**Enter**" as shown below:

```
Modules using memory below 1 MB:

   Name          Total          Conventional      Upper Memory
   --------    -------------     -------------     -------------
   SYSTEM      16,752  (16K)     10,448  (10K)      6,304   (6K)
   COMMAND      4,064   (4K)      3,024   (3K)      1,040   (1K)
   SHSUCDX     11,152  (11K)          0   (0K)     11,152  (11K)
   FDAPM          928   (1K)          0   (0K)        928   (1K)
   DOSLFN      12,464  (12K)          0   (0K)     12,464  (12K)
   MOUSE        3,104   (3K)          0   (0K)      3,104   (3K)
   UIDE           960   (1K)          0   (0K)        960   (1K)
   Free       680,880 (665K)    639,504 (625K)     41,376  (40K)
   Drives Assigned
Drive  Driver   Unit
   D:   FDCD0001   0
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>D:
D:\>_
```

26. Type "**dir**" at the DOS prompt, and then press "**Enter**" as shown below:

```
   FDAPM        928    (1K)          0    (0K)        928    (1K)
   DOSLFN    12,464   (12K)          0    (0K)     12,464   (12K)
   MOUSE      3,104    (3K)          0    (0K)      3,104    (3K)
   UIDE         960    (1K)          0    (0K)        960    (1K)
   Free     680,880  (665K)    639,504  (625K)     41,376   (40K)
   Drives Assigned
Drive  Driver   Unit
   D:   FDCD0001   0
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>D:
D:\>dir
 Volume in drive D is 130611_1720
 Directory of D:\

VMSMOUNT EXE          27,194  06-11-2013  5:04p
         1 file(s)          27,194 bytes
         0 dir(s)               0 bytes free
D:\>_
```

You will see the CD / DVD drive, D: of the Guest Operating System has a single "**vmsmount.exe**" file.

This is the ISO disc image file we have created and loaded.

27. Type "**copy vmsmount.ext c:**" at the DOS prompt, and then press "**Enter**" as shown below:

```
   MOUSE      3,104    (3K)          0    (0K)      3,104    (3K)
   UIDE         960    (1K)          0    (0K)        960    (1K)
   Free     680,880  (665K)    639,504  (625K)     41,376   (40K)
   Drives Assigned
Drive  Driver   Unit
   D:   FDCD0001   0
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>D:
D:\>dir
 Volume in drive D is 130611_1720
 Directory of D:\

VMSMOUNT EXE          27,194  06-11-2013  5:04p
         1 file(s)          27,194 bytes
         0 dir(s)               0 bytes free
D:\>copy vmsmount.exe C:\
vmsmount.exe => C:\vmsmount.exe
D:\>_
```

28. Type "**C:**" at the DOS prompt, and the press "**Enter**" as shown below:

```
   UIDE           960    (1K)         0    (0K)       960    (1K)
   Free        680,880  (665K)   639,504  (625K)    41,376   (40K)
   Drives Assigned
Drive  Driver   Unit
   D:   FDCD0001   0
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>D:
D:\>dir
 Volume in drive D is 130611_1720
 Directory of D:\

VMSMOUNT EXE        27,194  06-11-2013  5:04p
        1 file(s)        27,194 bytes
        0 dir(s)             0 bytes free
D:\>copy vmsmount.exe C:\
vmsmount.exe => C:\vmsmount.exe
D:\>C:
C:\>_
```

29. Type "**vmsmount.exe**" at the DOS prompt, and then press "**Enter**" as shown below:

```
   D:   FDCD0001   0
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>D:
D:\>dir
 Volume in drive D is 130611_1720
 Directory of D:\

VMSMOUNT EXE        27,194  06-11-2013  5:04p
        1 file(s)        27,194 bytes
        0 dir(s)             0 bytes free
D:\>copy vmsmount.exe C:\
vmsmount.exe => C:\vmsmount.exe
D:\>C:
C:\>vmsmount.exe
VMSMOUNT 0.5b - (C) 2011 Eduardo Casino - GNU GPL Ver. 2.0
 WARNING: TZ invalid or not defined, times will be shown in UTC.
 Mounting Shared Folders in E:
C:\>_
```

The folder we choose to share from the Host Operating System at **Step 18**, "**C:\PDS**" folder will be mapped to drive **E:** inside the Guest Operating System.

30. Type "**E:**" at the DOS prompt, and then press "**Enter**" as shown below:

```
2 drive(s) available.
FreeDOS KEYB 2.01  - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout    : C:\FDOS\BIN\keyboard.sys:UK [858]  (3)
Done processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
Type HELP to get support on commands and navigation

Welcome to the FreeDOS 1.1 operating system (http://www.freedos.org)
C:\>md PDS
C:\>D:
D:\>dir
 Volume in drive D is 130611_1720
 Directory of D:\

VMSMOUNT EXE         27,194  06-11-2013  5:04p
         1 file(s)          27,194 bytes
         0 dir(s)               0 bytes free
D:\>copy vmsmount.exe C:\
vmsmount.exe => C:\vmsmount.exe
D:\>C:
C:\>vmsmount.exe
VMSMOUNT 0.5b - (C) 2011 Eduardo Casino - GNU GPL Ver. 2.0
 WARNING: TZ invalid or not defined, times will be shown in UTC.
 Mounting Shared Folders in E:
C:\>E:
E:\>_
```

31. Type "**dir**" at the DOS prompt, and then press "**Enter**" as shown below:

```
C:\>D:
D:\>dir
 Volume in drive D is 130611_1720
 Directory of D:\

VMSMOUNT EXE         27,194  06-11-2013  5:04p
         1 file(s)          27,194 bytes
         0 dir(s)               0 bytes free
D:\>copy vmsmount.exe C:\
vmsmount.exe => C:\vmsmount.exe
D:\>C:
C:\>vmsmount.exe
VMSMOUNT 0.5b - (C) 2011 Eduardo Casino - GNU GPL Ver. 2.0
 WARNING: TZ invalid or not defined, times will be shown in UTC.
 Mounting Shared Folders in E:
C:\>E:
E:\>dir
 Volume in drive E is SharedFldrs

 Directory of E:\

PDS                  <DIR>  06-10-2013 11:15a
         0 file(s)               0 bytes
         1 dir(s)   2,147,450,880 bytes free
E:\>_
```

You will see that the **E:** drive has a folder called **PDS** which is the folder "**C:\PDS**" of the Host Operating

System.

32. Type "**xcopy PDS C:\PDS /E**" at the DOS prompt, and then press "**Enter**" as shown below:

```
C:\>E:
E:\>dir
 Volume in drive E is SharedFldrs

 Directory of E:\

PDS                  <DIR>  06-10-2013 11:15a
         0 file(s)              0 bytes
         1 dir(s)   2,147,450,880 bytes free
E:\>xcopy PDS C:\PDS /E
Copying E:\PDS\DEFAULTS
Copying E:\PDS\MAIN-MIX.CFG
Copying E:\PDS\MAINMIX.CFG
Copying E:\PDS\PDS.EXE
Copying E:\PDS\PDS.HLP
Copying E:\PDS\PRIJR.CFG
Copying E:\PDS\PRIMERJR.CFG
Copying E:\PDS\TCJ1811.CFG
Copying E:\PDS\TCJNR.CFG
Copying E:\PDS\TCJR2010.CFG
Copying E:\PDS\TCJRMIX.CFG
Copying E:\PDS\TCJUNIOR.CFG
Copying E:\PDS\TEST1.CFG
13 file(s) copied
E:\>_
```

33. Type "**C:**" at the DOS prompt, and then press "**Enter**" as shown below:

```
E:\>dir
 Volume in drive E is SharedFldrs

 Directory of E:\

PDS                  <DIR>  06-10-2013 11:15a
         0 file(s)              0 bytes
         1 dir(s)   2,147,450,880 bytes free
E:\>xcopy PDS C:\PDS /E
Copying E:\PDS\DEFAULTS
Copying E:\PDS\MAIN-MIX.CFG
Copying E:\PDS\MAINMIX.CFG
Copying E:\PDS\PDS.EXE
Copying E:\PDS\PDS.HLP
Copying E:\PDS\PRIJR.CFG
Copying E:\PDS\PRIMERJR.CFG
Copying E:\PDS\TCJ1811.CFG
Copying E:\PDS\TCJNR.CFG
Copying E:\PDS\TCJR2010.CFG
Copying E:\PDS\TCJRMIX.CFG
Copying E:\PDS\TCJUNIOR.CFG
Copying E:\PDS\TEST1.CFG
13 file(s) copied
E:\>C:
C:\>_
```

34. Type "**cd PDS**" at the DOS prompt, and then press "**Enter**" as shown below:

```
Volume in drive E is SharedFldrs

Directory of E:\

PDS                    <DIR>  06-10-2013 11:15a
          0 file(s)              0 bytes
          1 dir(s)    2,147,450,880 bytes free
E:\>xcopy PDS C:\PDS /E
Copying E:\PDS\DEFAULTS
Copying E:\PDS\MAIN-MIX.CFG
Copying E:\PDS\MAINMIX.CFG
Copying E:\PDS\PDS.EXE
Copying E:\PDS\PDS.HLP
Copying E:\PDS\PRIJR.CFG
Copying E:\PDS\PRIMERJR.CFG
Copying E:\PDS\TCJ1811.CFG
Copying E:\PDS\TCJNR.CFG
Copying E:\PDS\TCJR2010.CFG
Copying E:\PDS\TCJRMIX.CFG
Copying E:\PDS\TCJUNIOR.CFG
Copying E:\PDS\TEST1.CFG
13 file(s) copied
E:\>C:
C:\>cd PDS
C:\PDS>_
```

35. Type "**attrib *.*** " at the DOS prompt, and then press "Enter" as shown below:

```
Copying E:\PDS\PRIMERJR.CFG
Copying E:\PDS\TCJ1811.CFG
Copying E:\PDS\TCJNR.CFG
Copying E:\PDS\TCJR2010.CFG
Copying E:\PDS\TCJRMIX.CFG
Copying E:\PDS\TCJUNIOR.CFG
Copying E:\PDS\TEST1.CFG
13 file(s) copied
E:\>C:
C:\>cd PDS
C:\PDS>attrib *.*
[----A] DEFAULTS
[----A] MAIN-MIX.CFG
[----A] MAINMIX.CFG
[----A] PDS.EXE
[----A] PDS.HLP
[----A] PRIJR.CFG
[----A] PRIMERJR.CFG
[----A] TCJ1811.CFG
[----A] TCJNR.CFG
[----A] TCJR2010.CFG
[----A] TCJRMIX.CFG
[----A] TCJUNIOR.CFG
[----A] TEST1.CFG
C:\PDS>_
```

As shown above, the "R" (read-only) flagged is not set, and the "A" (archive) flag is already set since we are copying from the disk drive, and not from read-only CD / DVD drive. If the read-only flag has been set, you will have to execute the command "**attrib –R +A *.*** " in order to clear the read-only flag and set the archive flag.

36. To run the **PDS** application, simply type "**PDS.EXE**" at the DOS prompt, and then press "**Enter**" as shown
   below:

```
Copying E:\PDS\PRIMERJR.CFG
Copying E:\PDS\TCJ1811.CFG
Copying E:\PDS\TCJNR.CFG
Copying E:\PDS\TCJR2010.CFG
Copying E:\PDS\TCJRMIX.CFG
Copying E:\PDS\TCJUNIOR.CFG
Copying E:\PDS\TEST1.CFG
13 file(s) copied
E:\>C:
C:\>cd PDS
C:\PDS>attrib *.*
[----A] DEFAULTS
[----A] MAIN-MIX.CFG
[----A] MAINMIX.CFG
[----A] PDS.EXE
[----A] PDS.HLP
[----A] PRIJR.CFG
[----A] PRIMERJR.CFG
[----A] TCJ1811.CFG
[----A] TCJNR.CFG
[----A] TCJR2010.CFG
[----A] TCJRMIX.CFG
[----A] TCJUNIOR.CFG
[----A] TEST1.CFG
C:\PDS>PDS.EXE_
```

37. You will then be presented with the following screen:

```
================ PanelBuilder Development Software ================

        For Bulletin 2711 PanelView Operator Terminals

                   Revision 5.01.00 07/09/93

     Copyright 1989,1990,1991,1992,1993 Allen-Bradley Company Inc.

     Telephone Support:
        Inside  U.S.A. and CANADA: 1-800-289-2279
        Outside U.S.A. and CANADA: Contact your local Allen-Bradley
                                   office or call U.S.A. 216-646-6800

                     Press any key to continue
```

brainboxes

Version History

Version	Date	Author	Checked By	Comments
1	12/06/2013	Seng Seng Du	R&D	

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