

Transfer Files to FreeDOS Guest OS with ISO Image

Oracle VM VirtualBox

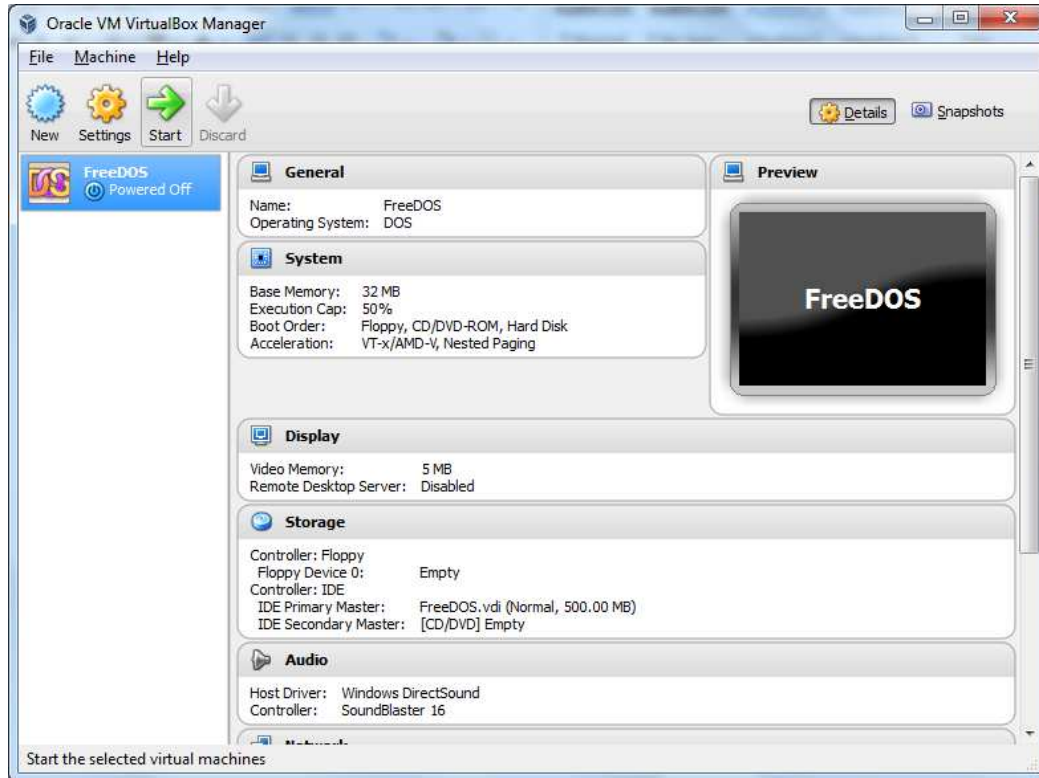


Contents

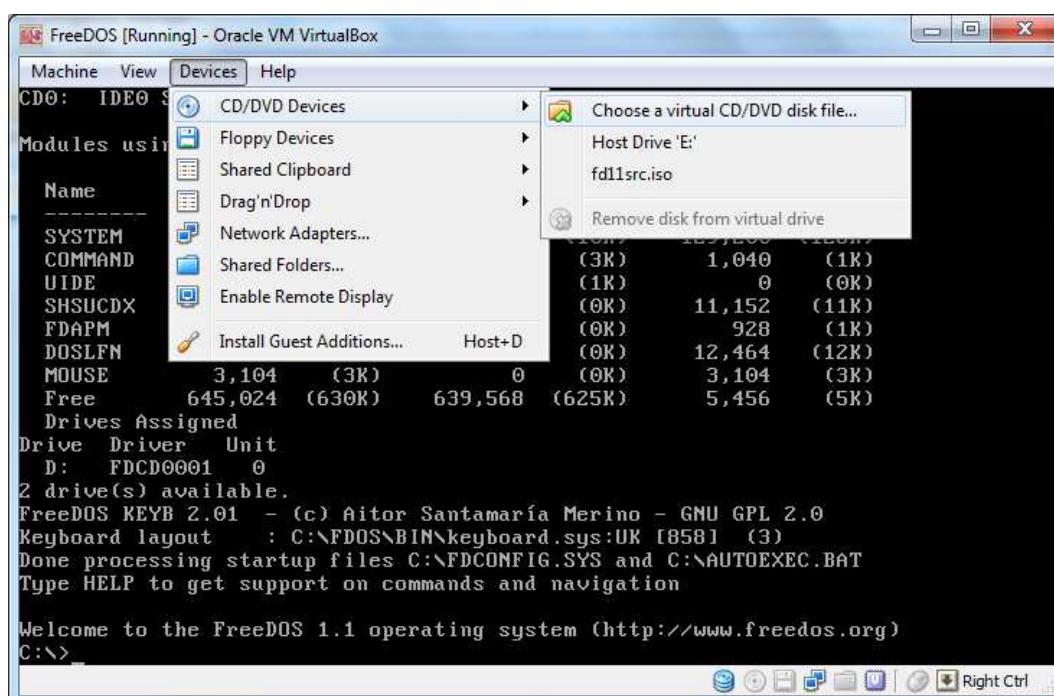
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This document will demonstrate how to transfer files from the ISO disc image to FreeDOS Guest Operating System using Oracle VM VirtualBox application.

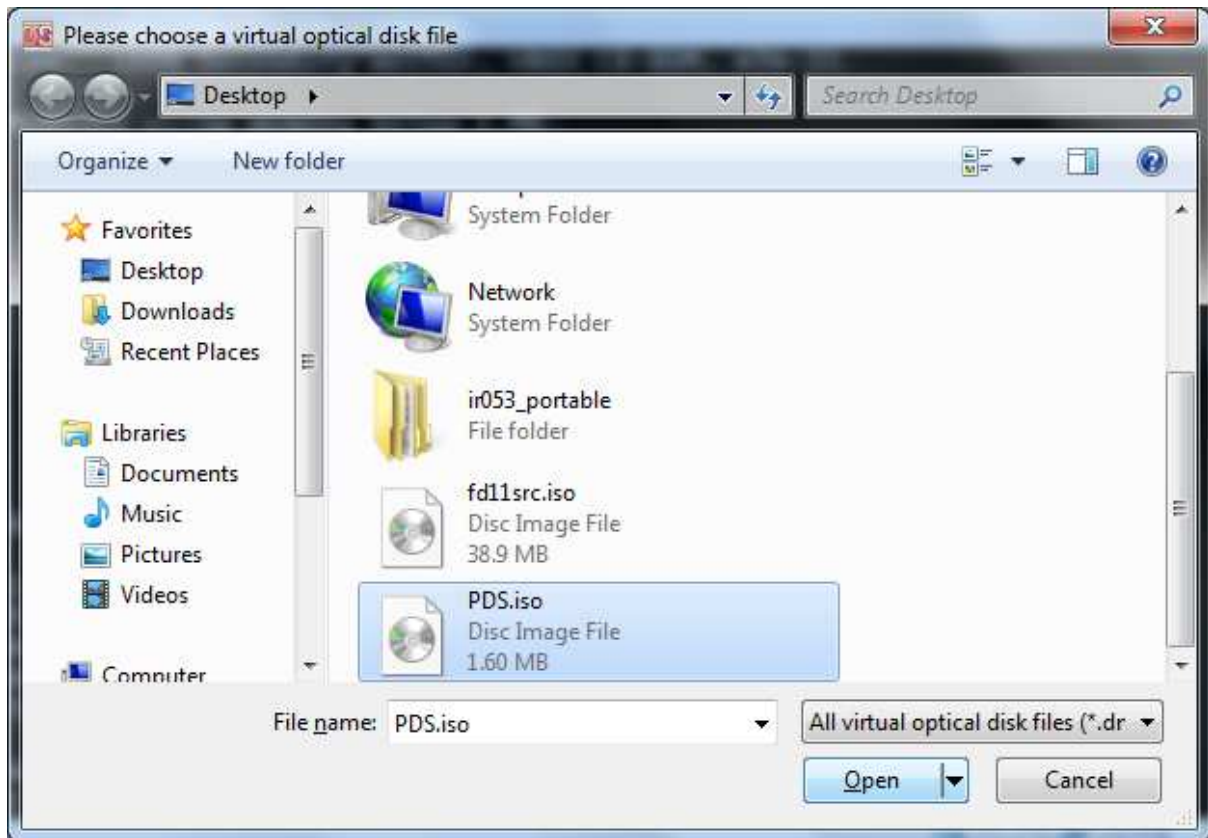
1. Start FreeDOS guest operating system by clicking **“Start”** as shown below:



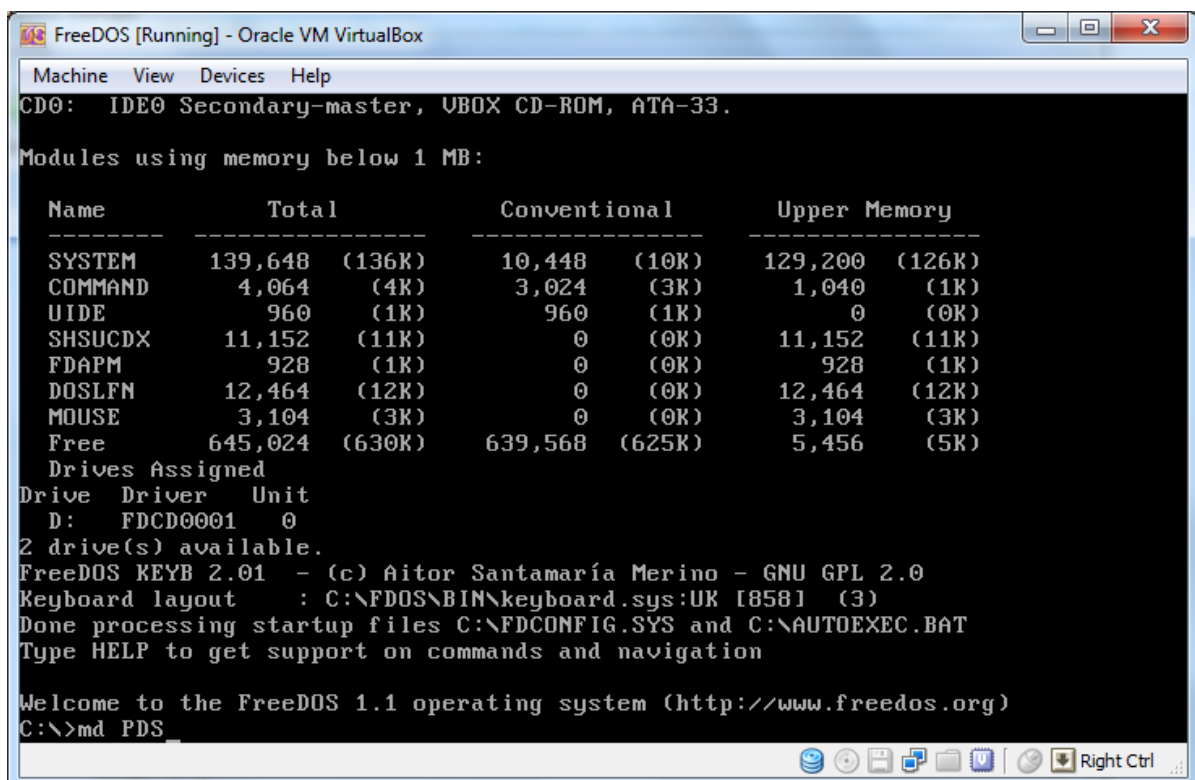
2. Once the Guest Operating System is booted successfully, click **“Devices -> CD/DVD Devices -> Choose a virtual CD/DVD disk file...”** as shown below:



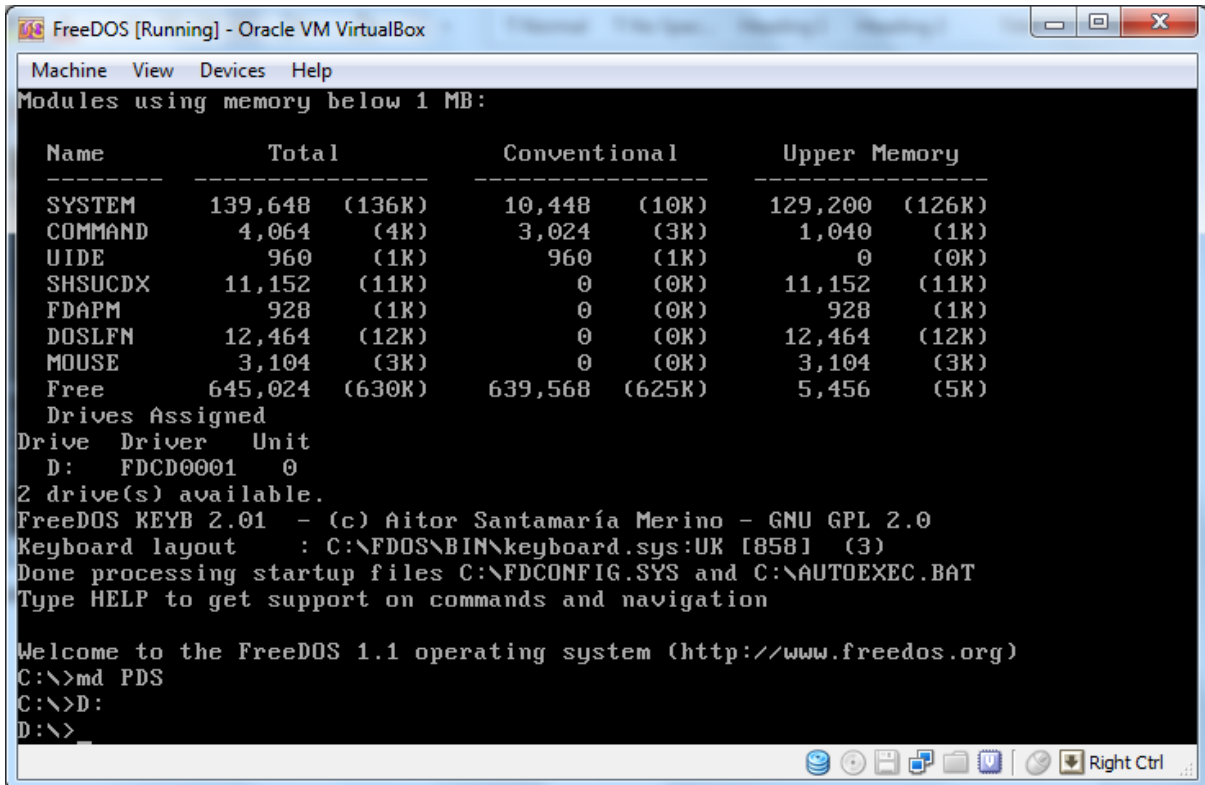
- Browse to “Desktop” where the ISO image file is located, select the “PDS.iso” image file, and then click “Open” when you are presented with the following:



- Type “md PDS” at the DOS prompt, and then press “Enter” in order to create a PDS directory under C: drive as shown below:



- Type "D:" at the DOS prompt, and then press "Enter" when you are presented with the following:



```

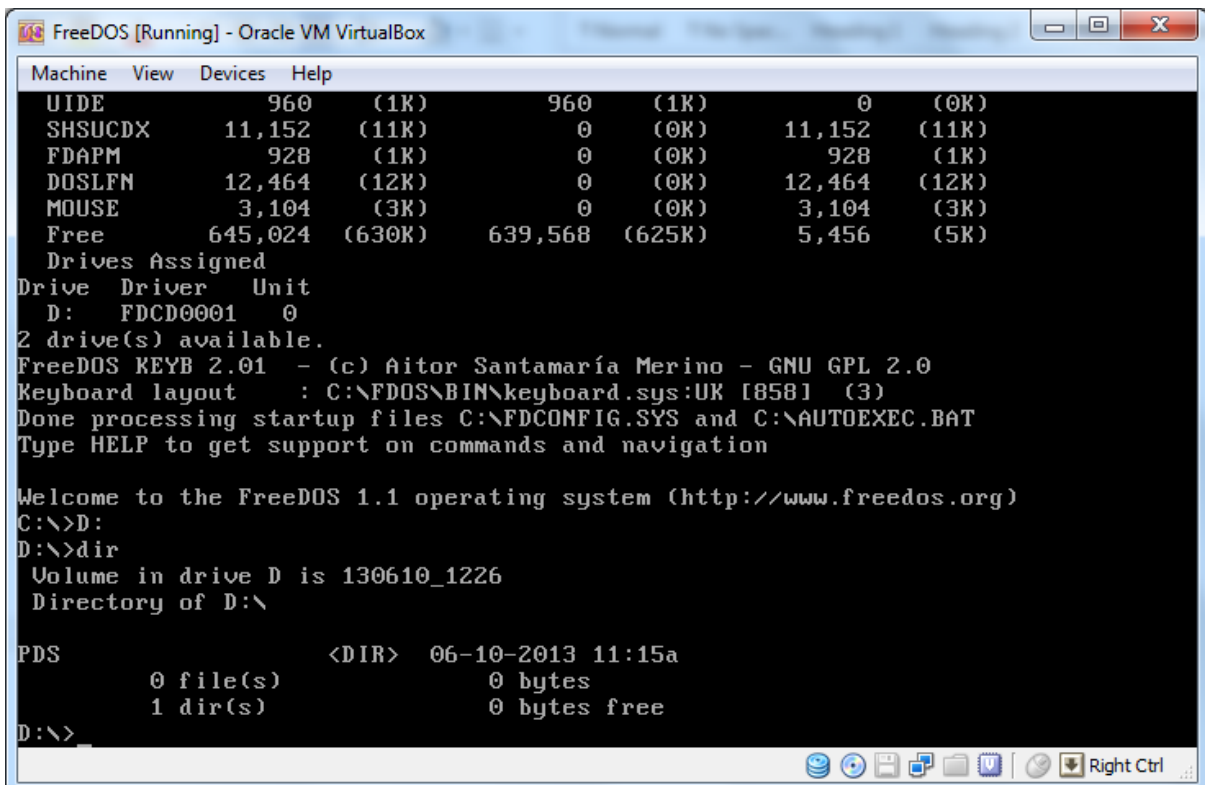
FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
Modules using memory below 1 MB:

Name          Total          Conventional    Upper Memory
-----
SYSTEM        139,648 (136K)    10,448 (10K)    129,200 (126K)
COMMAND       4,064 (4K)      3,024 (3K)      1,040 (1K)
UIDE           960 (1K)       960 (1K)        0 (0K)
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)
Free          645,024 (630K) 639,568 (625K)  5,456 (5K)

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:\>
  
```

- Type "dir" at the DOS prompt, and you will be shown that the folder "PDS" in the CD/DVD drive of the Guest Operating System which has the same contents as the ISO disc image file we have create previously as shown in the following:



```

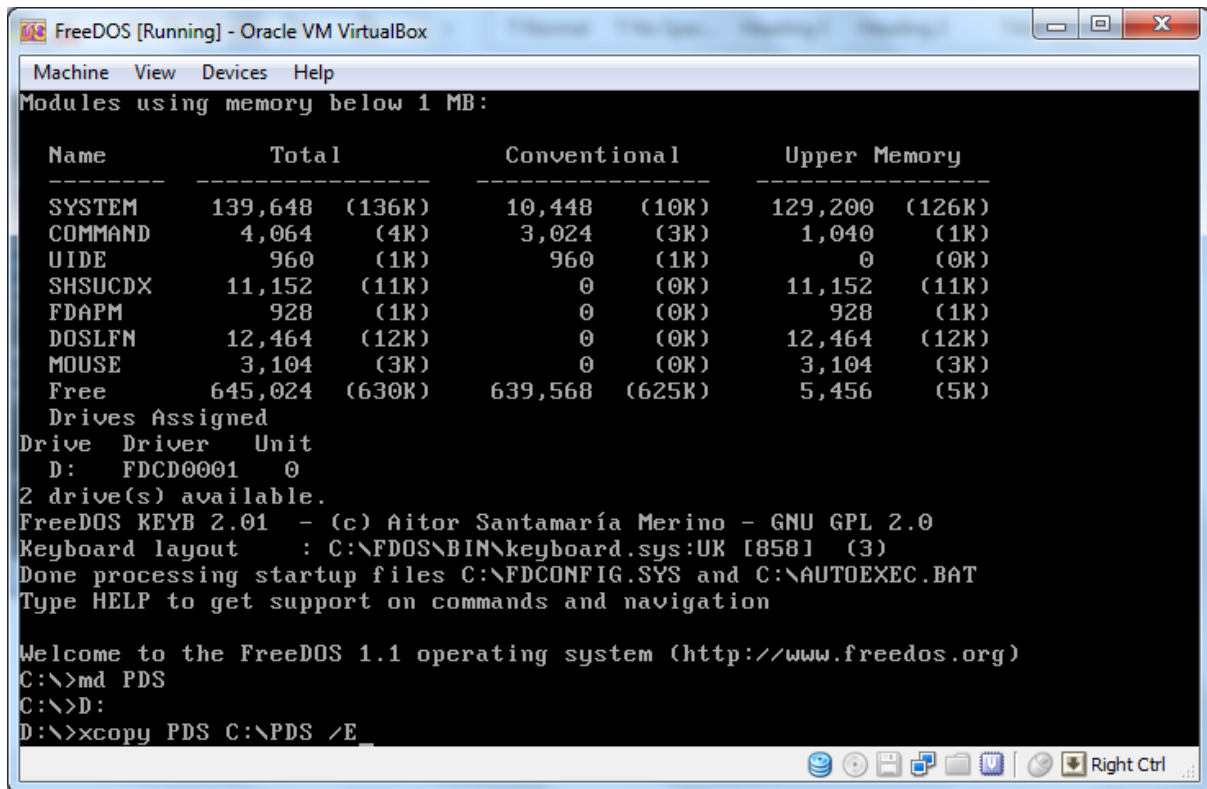
FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
UIDE           960 (1K)       960 (1K)        0 (0K)
SHSUCDX       11,152 (11K)   0 (0K)          11,152 (11K)
FDAPM          928 (1K)       0 (0K)          928 (1K)
DOSLFN        12,464 (12K)   0 (0K)          12,464 (12K)
MOUSE         3,104 (3K)     0 (0K)          3,104 (3K)
Free          645,024 (630K) 639,568 (625K)  5,456 (5K)

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:\>D:
D:\>dir
Volume in drive D is 130610_1226
Directory of D:\

PDS                <DIR>    06-10-2013 11:15a
    0 file(s)                0 bytes
    1 dir(s)                 0 bytes free
D:\>
  
```

- Type "xcopy PDS C:\PDS /E" at the DOS prompt, and then press "Enter" to copy all the files from CD / DVD drive to "C:" drive of the Guest Operating System as shown below:

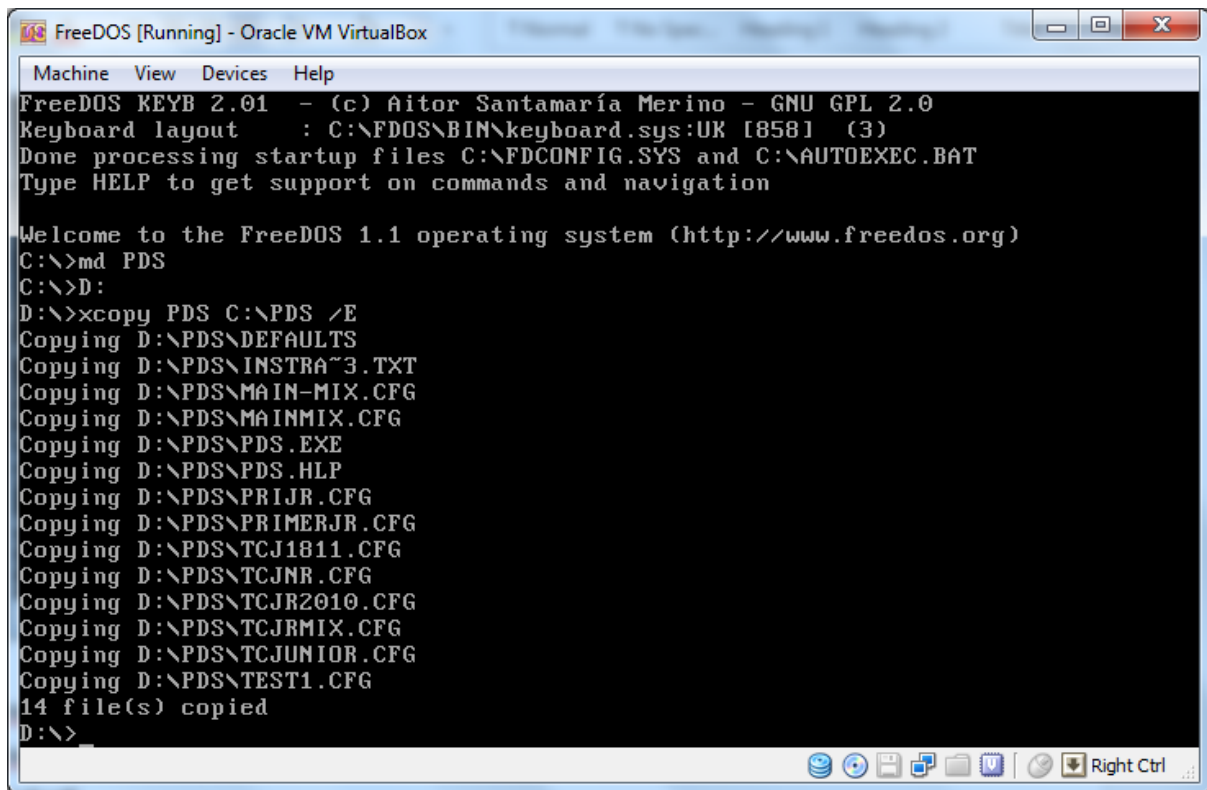


```

FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
Modules using memory below 1 MB:
Name          Total          Conventional    Upper Memory
-----
SYSTEM        139,648 (136K)    10,448 (10K)    129,200 (126K)
COMMAND        4,064 (4K)      3,024 (3K)      1,040 (1K)
UIDE           960 (1K)      960 (1K)        0 (0K)
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)
Free          645,024 (630K) 639,568 (625K)  5,456 (5K)
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 [8581] (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:\>xcopy PDS C:\PDS /E
  
```

- You will be shown list of files which are copied as shown below:

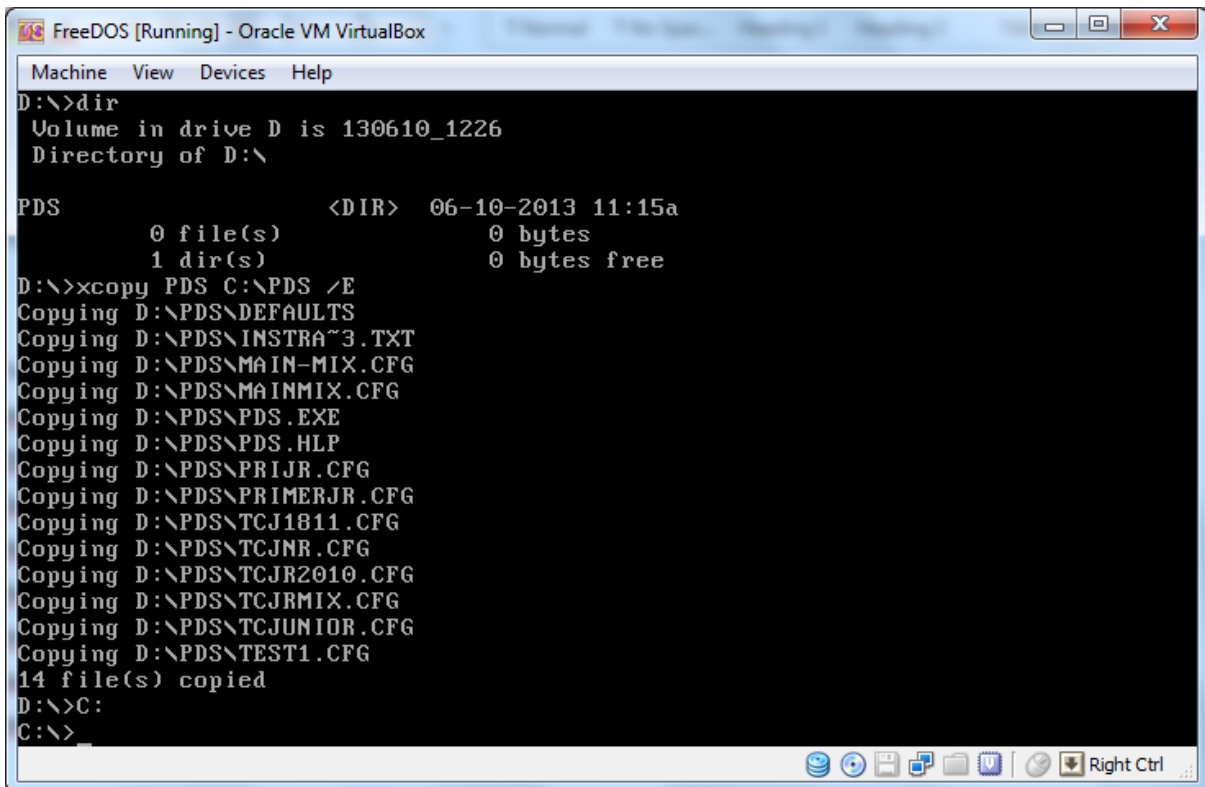


```

FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
FreeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2.0
Keyboard layout : C:\FDOS\BIN\keyboard.sys:UK [8581] (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:\>xcopy PDS C:\PDS /E
Copying D:\PDS\DEFAULTS
Copying D:\PDS\INSTRA~3.TXT
Copying D:\PDS\MAIN-MIX.CFG
Copying D:\PDS\MAINMIX.CFG
Copying D:\PDS\PDS.EXE
Copying D:\PDS\PDS.HLP
Copying D:\PDS\PRIJR.CFG
Copying D:\PDS\PRIMERJR.CFG
Copying D:\PDS\TCJ1811.CFG
Copying D:\PDS\TCJNR.CFG
Copying D:\PDS\TCJR2010.CFG
Copying D:\PDS\TCJRMIX.CFG
Copying D:\PDS\TCJUNIOR.CFG
Copying D:\PDS\TEST1.CFG
14 file(s) copied
D:\>
  
```

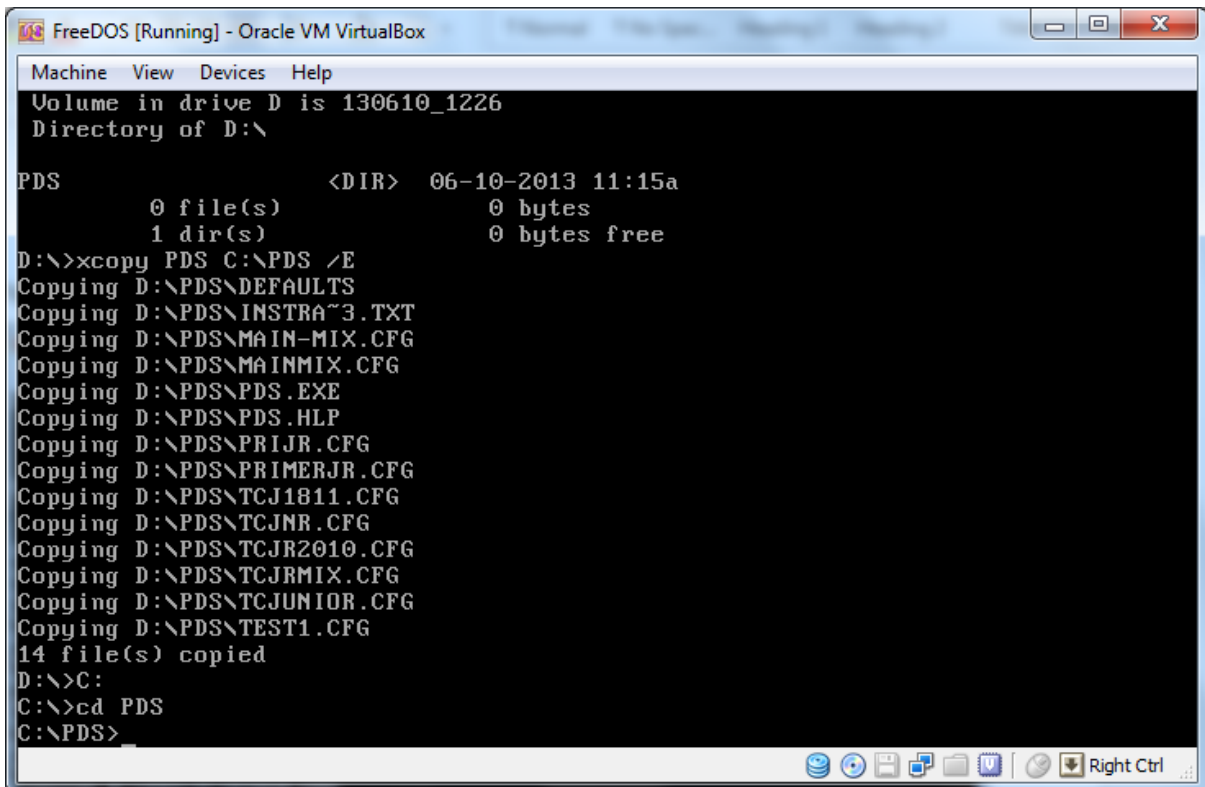
9. Type "C:" at the DOS prompt, and press "Enter" as shown below:



```
FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
D:\>dir
Volume in drive D is 130610_1226
Directory of D:\

PDS                <DIR>    06-10-2013  11:15a
     0 file(s)                0 bytes
     1 dir(s)                 0 bytes free
D:\>xcopy PDS C:\PDS /E
Copying D:\PDS\DEFAULTS
Copying D:\PDS\INSTRA~3.TXT
Copying D:\PDS\MAIN-MIX.CFG
Copying D:\PDS\MAINMIX.CFG
Copying D:\PDS\PDS.EXE
Copying D:\PDS\PDS.HLP
Copying D:\PDS\PRIJR.CFG
Copying D:\PDS\PRIMERJR.CFG
Copying D:\PDS\TCJ1811.CFG
Copying D:\PDS\TCJNR.CFG
Copying D:\PDS\TCJR2010.CFG
Copying D:\PDS\TCJRMIX.CFG
Copying D:\PDS\TCJUNIOR.CFG
Copying D:\PDS\TEST1.CFG
14 file(s) copied
D:\>C:
C:\>
```

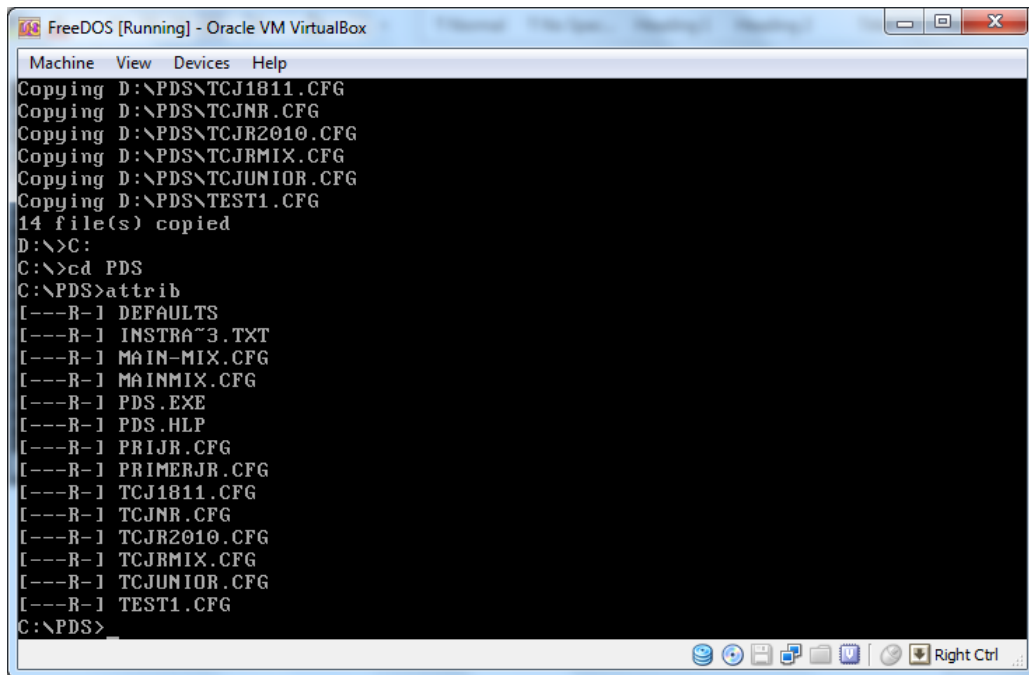
10. Type "cd PDS" at the DOS prompt, and press "Enter" as shown below:



```
FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
Volume in drive D is 130610_1226
Directory of D:\

PDS                <DIR>    06-10-2013  11:15a
     0 file(s)                0 bytes
     1 dir(s)                 0 bytes free
D:\>xcopy PDS C:\PDS /E
Copying D:\PDS\DEFAULTS
Copying D:\PDS\INSTRA~3.TXT
Copying D:\PDS\MAIN-MIX.CFG
Copying D:\PDS\MAINMIX.CFG
Copying D:\PDS\PDS.EXE
Copying D:\PDS\PDS.HLP
Copying D:\PDS\PRIJR.CFG
Copying D:\PDS\PRIMERJR.CFG
Copying D:\PDS\TCJ1811.CFG
Copying D:\PDS\TCJNR.CFG
Copying D:\PDS\TCJR2010.CFG
Copying D:\PDS\TCJRMIX.CFG
Copying D:\PDS\TCJUNIOR.CFG
Copying D:\PDS\TEST1.CFG
14 file(s) copied
D:\>C:
C:\>cd PDS
C:\PDS>
```

11. Type “attrib” at the DOS prompt, and press “Enter” as shown below:



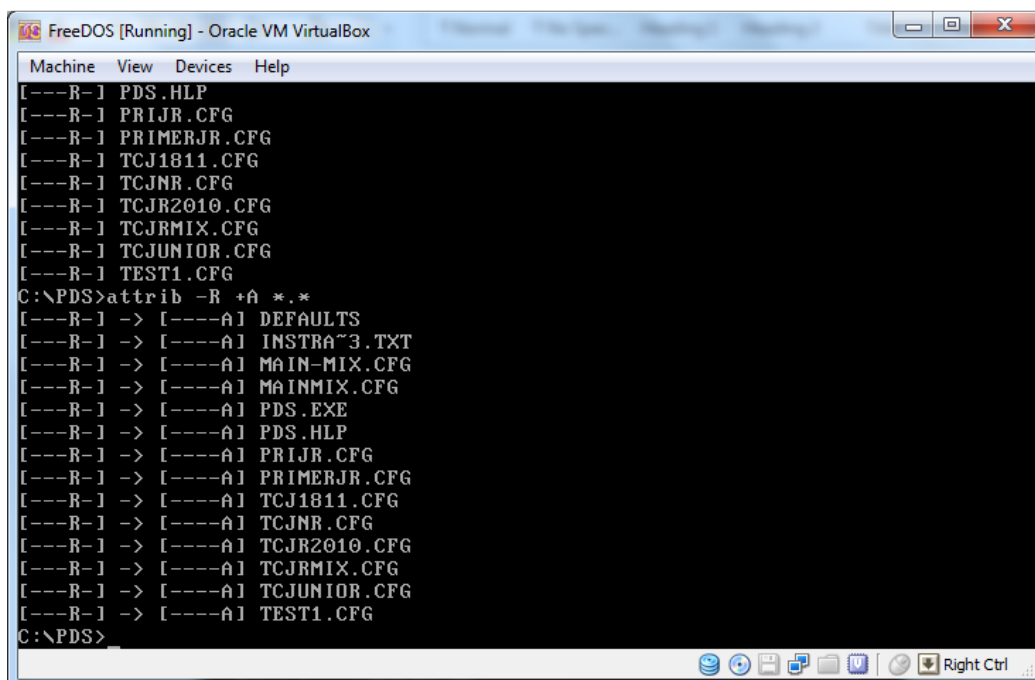
```

FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
Copying D:\PDS\TCJ1811.CFG
Copying D:\PDS\TCJNR.CFG
Copying D:\PDS\TCJR2010.CFG
Copying D:\PDS\TCJRMIX.CFG
Copying D:\PDS\TCJUNIOR.CFG
Copying D:\PDS\TEST1.CFG
14 file(s) copied
D:\>C:
C:\>cd PDS
C:\PDS>attrib
[---R-] DEFAULTS
[---R-] INSTRAT~3.TXT
[---R-] MAIN-MIX.CFG
[---R-] MAINMIX.CFG
[---R-] PDS.EXE
[---R-] PDS.HLP
[---R-] PRIJR.CFG
[---R-] PRIMERJR.CFG
[---R-] TCJ1811.CFG
[---R-] TCJNR.CFG
[---R-] TCJR2010.CFG
[---R-] TCJRMIX.CFG
[---R-] TCJUNIOR.CFG
[---R-] TEST1.CFG
C:\PDS>
  
```

You will notice that the files are set to **read-only** indicated by [---R-]. This is due to us copying from a read-only source which is CD / Drive of the Guest Operating System.

12. We will have to remove the read-only attribute as files that end with **.CFG** extension are configuration files which need to be write-enabled. The file “**DEFAULTS**” also needs to be write-enabled for the **PDS** application to execute successfully. Therefore, we will remove the read-only attribute from all the files under **PDS** directory.

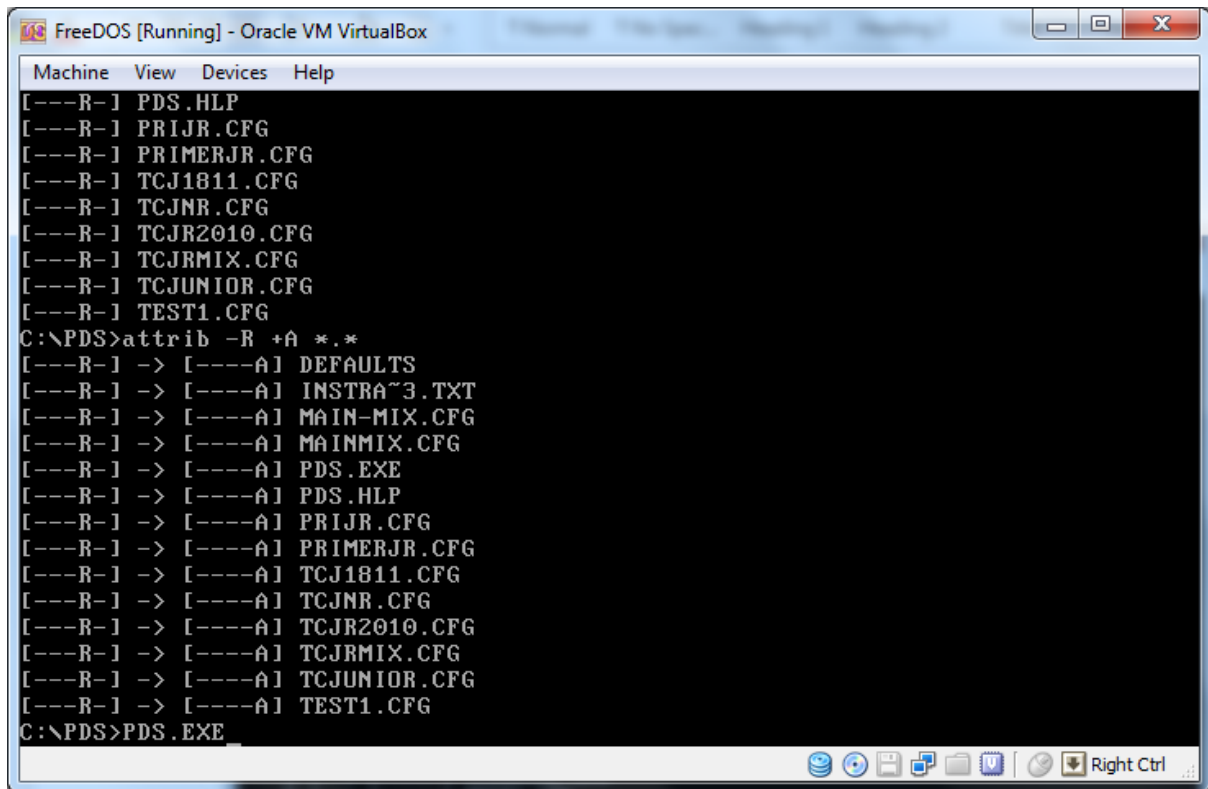
13. Type “attrib -R +A *.*” at the DOS prompt, and press “Enter” as shown below:



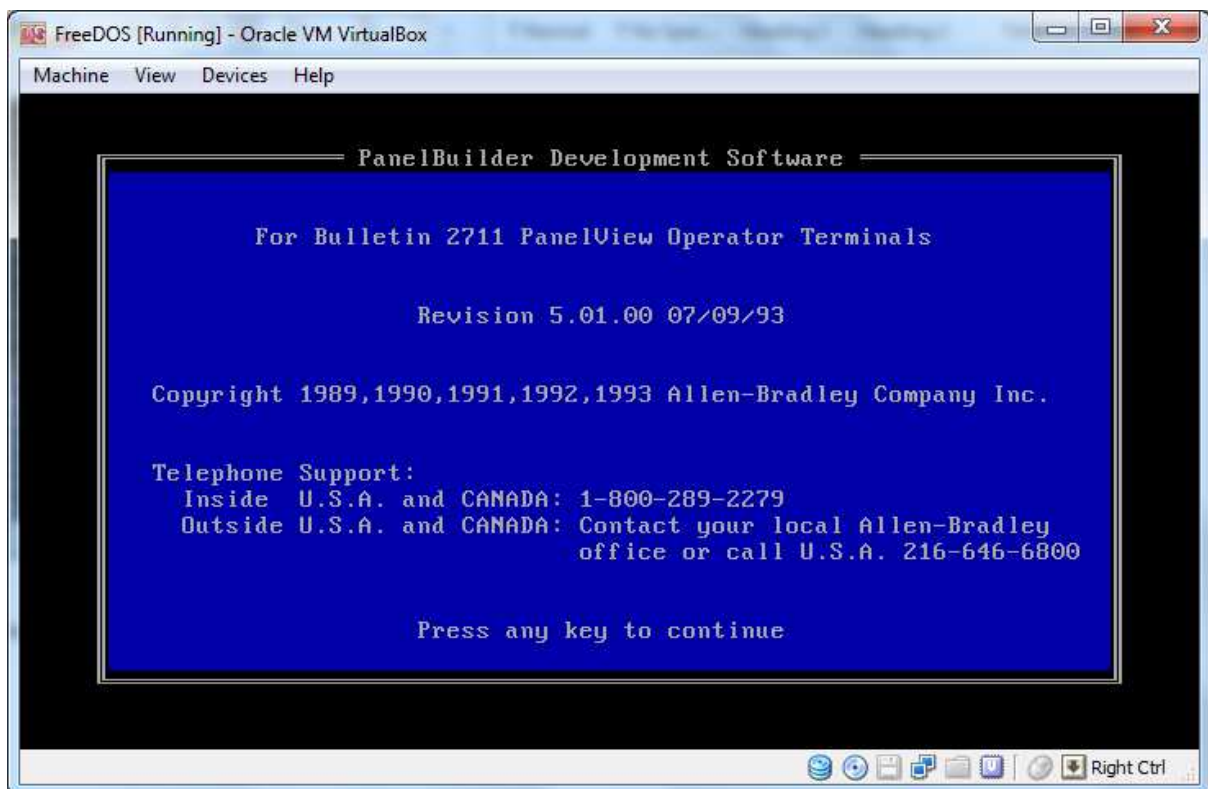
```

FreeDOS [Running] - Oracle VM VirtualBox
Machine View Devices Help
[---R-] PDS.HLP
[---R-] PRIJR.CFG
[---R-] PRIMERJR.CFG
[---R-] TCJ1811.CFG
[---R-] TCJNR.CFG
[---R-] TCJR2010.CFG
[---R-] TCJRMIX.CFG
[---R-] TCJUNIOR.CFG
[---R-] TEST1.CFG
C:\PDS>attrib -R +A *.*
[---R-] -> [----A] DEFAULTS
[---R-] -> [----A] INSTRAT~3.TXT
[---R-] -> [----A] MAIN-MIX.CFG
[---R-] -> [----A] MAINMIX.CFG
[---R-] -> [----A] PDS.EXE
[---R-] -> [----A] PDS.HLP
[---R-] -> [----A] PRIJR.CFG
[---R-] -> [----A] PRIMERJR.CFG
[---R-] -> [----A] TCJ1811.CFG
[---R-] -> [----A] TCJNR.CFG
[---R-] -> [----A] TCJR2010.CFG
[---R-] -> [----A] TCJRMIX.CFG
[---R-] -> [----A] TCJUNIOR.CFG
[---R-] -> [----A] TEST1.CFG
C:\PDS>
  
```


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



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



Version History

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