

Transfer Files to FreeDOS Guest OS with ISO Image VMware Workstation



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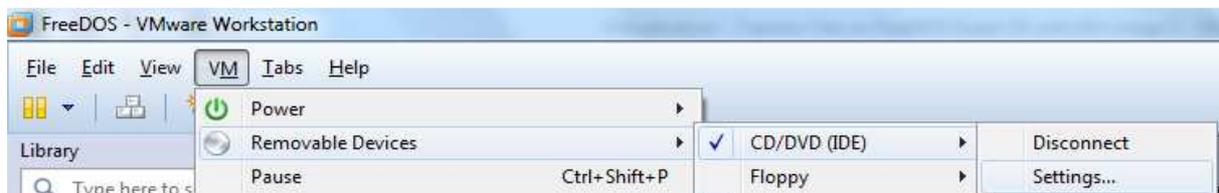
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This document will demonstrate how to transfer files from the ISO disc image to FreeDOS Guest Operating System using VMware Workstation application.

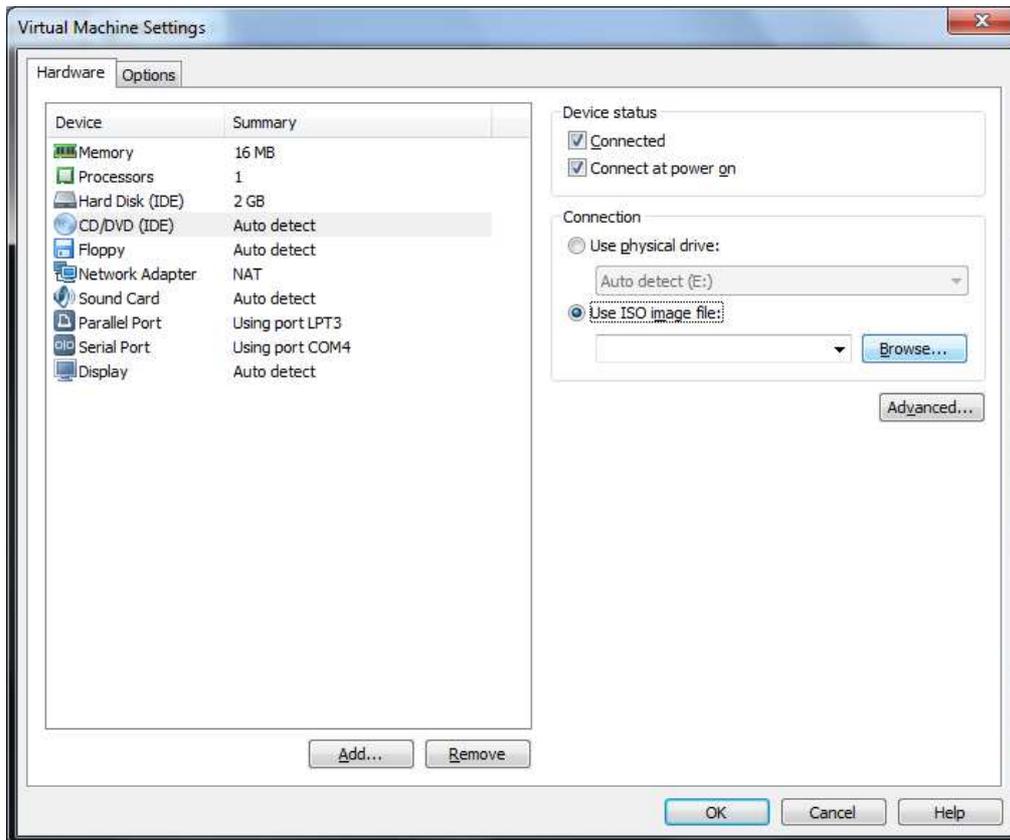
1. Start FreeDOS guest operating system by clicking “**Power on this virtual machine**” as shown below:



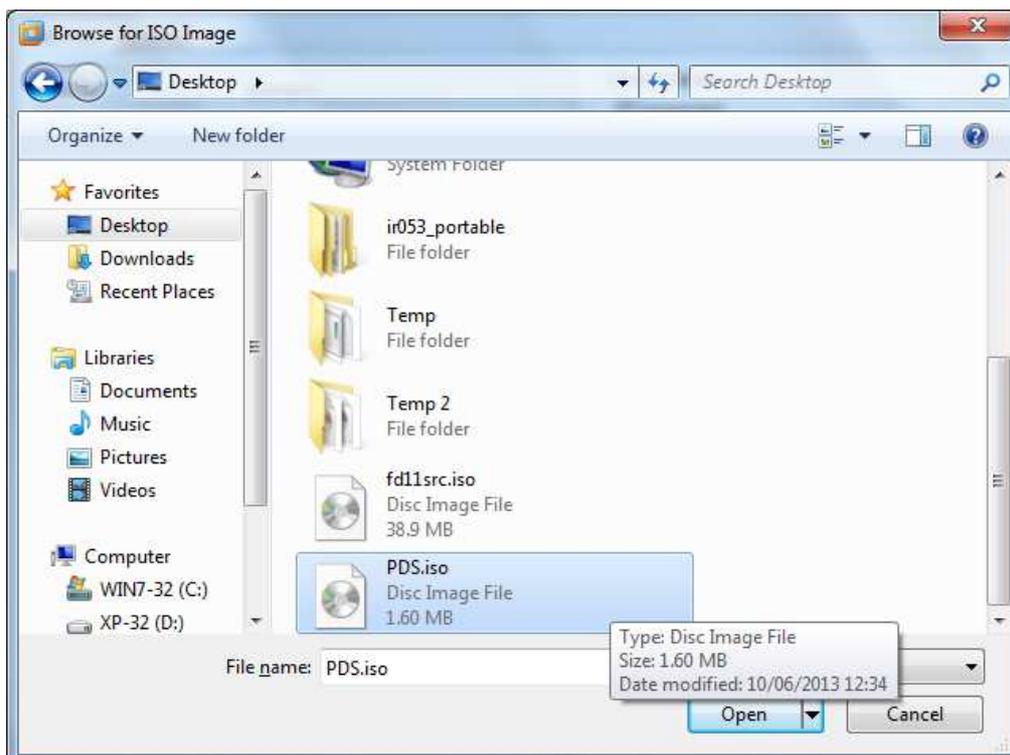
2. Wait for the FreeDOS Guest Operating System to start. After it is successfully booted, you will be presented with the “C:\>” DOS Prompt.
3. Once the Guest Operating System is booted successfully, click “**VM -> Removable Devices -> CD/DVD (IDE) -> Settings...**” as shown below:



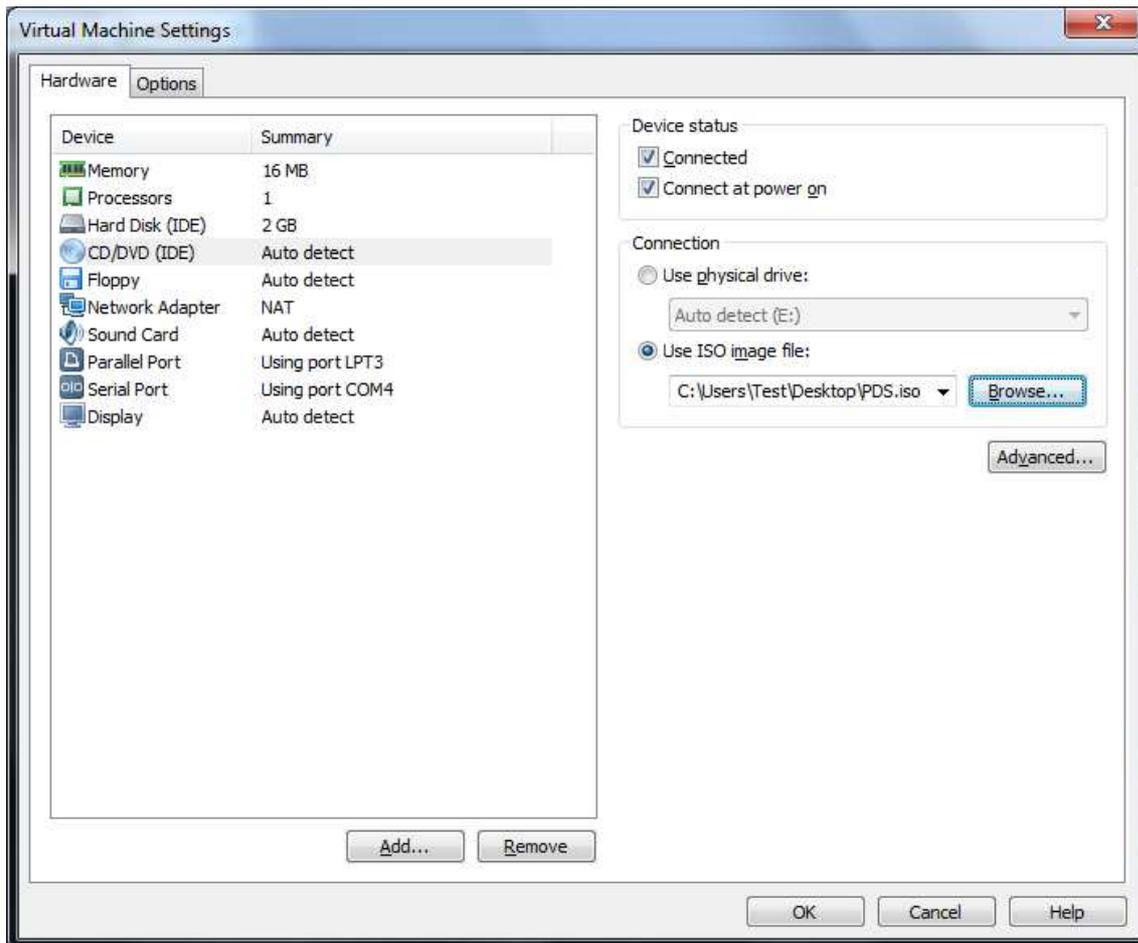
4. Select the option “Use ISO image file:”, and then click “Browse...” when you are presented with the following:



5. 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:



6. Click “OK” when you are presented with the following:



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

```

CD0: IDE0 Secondary-master, VMware Virtual IDE CDROM Drive, ATA-33.

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: FD000001 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:\FD000001.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_
    
```

8. Type “D:” at the DOS prompt, and then press “Enter” when you are presented with the following:

```

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:\>_

```

9. 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:

```

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 130610_1226
Directory of D:\

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

```

10. 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:

```

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 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_

```

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

```

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:\>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:\>_

```

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

```
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:\>_
```

13. Type “cd PDS” at the DOS prompt, and press “Enter” as shown below:

```
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>_
```

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

```
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-] INSTRA^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 noticed 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.

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

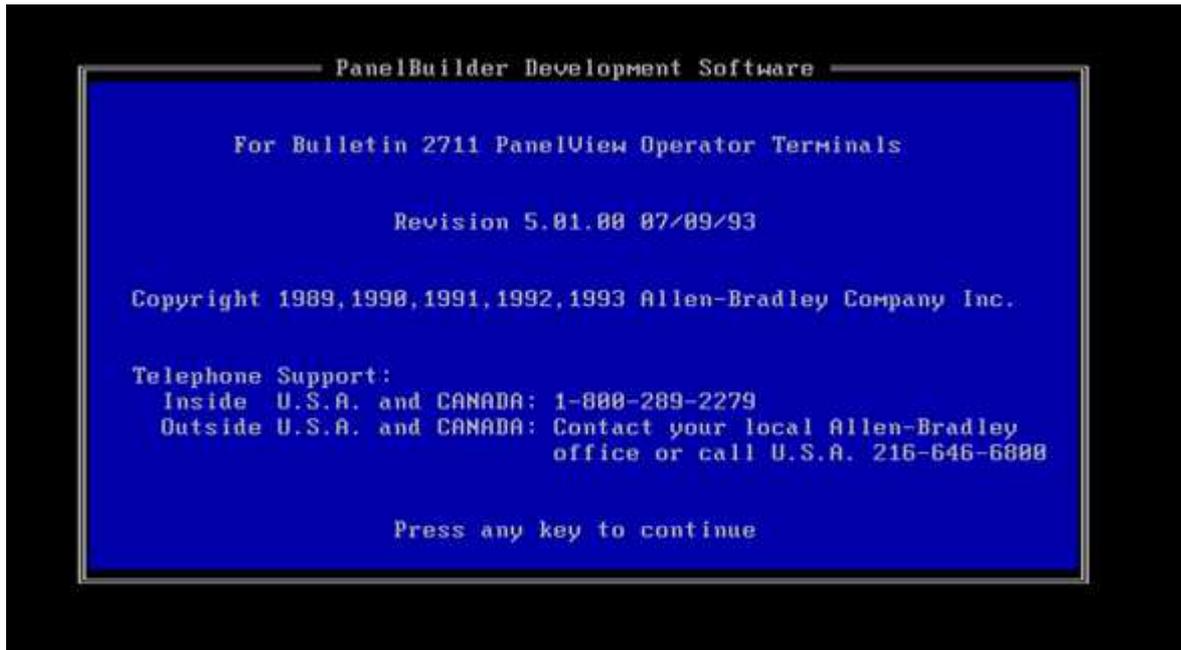
16. Type “attrib -R +A *.*” at the DOS prompt, and press “Enter” as shown below:

```
[---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] INSTRAT3.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>_
```

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

```
[---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] INSTRAT3.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>PDS.EXE_
```

18. 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	