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## Transfer Files to FreeDOS Guest OS with ISO Image VMware Workstation



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## Contents

1.	Version History		12	2
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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:



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

FreeDOS - VMwar	e Workstation	and Property li	NAME OF TAXABLE PARTY.	
<u>File Edit V</u> iew	VM Tabs Help			
<b>三</b> -   品   *	🕐 Power 🕨			
Library	Removable Devices	✓ CD/DV	D (IDE)	Disconnect
Q Type here to s	Pause Ctrl+Shift+P	Floppy	•	Settings

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

following:

ardware Options		
Device Memory Processors Hard Disk (IDE) CD/DVD (IDE) Floppy Network Adapter Sound Card Parallel Port Serial Port Display	Summary 16 MB 1 2 GB Auto detect Auto detect NAT Auto detect Using port LPT3 Using port COM4 Auto detect	Device status
	Add	

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:

lardware Options		
Device Memory Processors Hard Disk (IDE) CD/DVD (IDE) Floppy Network Adapter Sound Card Parallel Port Serial Port Display	Summary 16 MB 1 2 GB Auto detect Auto detect NAT Auto detect Using port LPT3 Using port COM4 Auto detect Using Auto detect MAT Mathematical States of the second sta	Device status

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

Nаме	Tota	1	Convent	iona l	Upper Me	mory
SYSTEM	16,752	(16K)	10,448	(10K)	6,304	(6K)
COMMAND	4,064	(4K)	3,024	(3K)	1,040	(1R)
SHSUCDX	11,152	(11K)	0	(0K)	11,152	(11R)
FDAPM	928	(1K)	0	(0K)	928	(1R)
DOSLFN	12,464	(12K)	0	(0K)	12,464	(12K)
MOUSE	3,104	(3K)	0	(0K)	3,104	(3K)
UIDE	960	(1R)	0	(0K)	960	(1R)
Free	680,880	(665K)	639,504	(625K)	41,376	(40K)
Drives As:	signed					
Drive Driv	er Unit					
D: FDCD	8881 8					
drive(s)	available.					
reeDOS KEY	8 2.01 -	(c) Aitor	• Santamarí	a Merino -	- GNU GPL 2	2.0
leyboard lay	yout :	C:\FDOS\E	IN\keyboar	d.sys:UK	[858] (3)	
Done proces:	sing start	up files	C:\FDCONFI	G.SYS and	C:\AUTOEXE	C.BAT
Type HELP to	o get supp	ort on co	MMANds and	navigatio	อท	

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

SYSTEM       16,752       (16K)       10,448       (10K)       6,304         COMMAND       4,064       (4K)       3,024       (3R)       1,040         SHSUCDX       11,152       (11K)       0       (0R)       11,152         FDAPM       928       (1K)       0       (0R)       928         DOSLFN       12,464       (12K)       0       (0R)       928         DOSLFN       12,464       (12K)       0       (0R)       928         DOSLFN       12,464       (12K)       0       (0R)       3,104         UIDE       960       (1K)       0       (0R)       3,104         UIDE       960       (1K)       0       (0R)       960         Free       680,880       (665K)       639,504       (625K)       41,376         Drives Assigned       rive(s) available.       reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2       eyboard layout       : C:\FDOS\BIN\keyboard.sys:UK [858]       (3)         one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXED         ype HELP to get support on commands and navigation       elcome to the FreeDOS 1.1 operating system (http://www.freed         :\>Md PDS       :\>D:       :>>       D:	Name Total				Conventional					Upper Memory			
COMMAND       4,064       (4K)       3,024       (3K)       1,040         SHSUCDX       11,152       (11K)       0       (0R)       11,152         FDAPM       928       (1K)       0       (0R)       928         DOSLFN       12,464       (12K)       0       (0R)       12,464         MOUSE       3,104       (3K)       0       (0R)       3,104         UIDE       960       (1K)       0       (0R)       3,104         Drives Assigned       rive(s) available.       reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2         eyboard layout       : C:\FDOS\BIN\keyboard.sys:UK [		(1	.6K)		10	, 448	(	10K)	_	6,	304		(68
SHSUCDX       11,152       (11K)       0       (0K)       11,152         FDAPM       928       (1K)       0       (0R)       928         DOSLFN       12,464       (12K)       0       (0K)       12,464         MOUSE       3,104       (3K)       0       (0K)       3,104         UIDE       960       (1K)       0       (0K)       960         Free       680,880       (665K)       639,504       (625K)       41,376         Drives Assigned       rive       0       0K       41,376         Drives Assigned       rive(s) available.       reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2         eyboard layout       : C:\FDOS\BIN\keyboard.sys:UK [858]       (3)         one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXED         ype HELP to get support on commands and navigation         kelcome to the FreeDOS 1.1 operating system (http://www.freed)         :\>M PDS         :\>D:		(	4R)		3	,024		(3K)		1,	040		(18
FDAPM       928       (1K)       0       (0K)       928         DOSLFN       12,464       (12K)       0       (0K)       12,464         MOUSE       3,104       (3K)       0       (0K)       3,104         MOUSE       3,104       (3K)       0       (0K)       3,104         UIDE       960       (1K)       0       (0K)       960         Free       680,880       (665K)       639,504       (625K)       41,376         Drives Assigned       rive       Driver       Unit       0       960         rive Driver       Unit       0       625K)       41,376         Drives Assigned       reeDOS XEYB 2.01       - (c) Aitor Santamaría Merino - GNU GPL 2         eyboard layout       : C:\FDOS\BIN\keyboard.sys:UK [858]       (3)         one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXED         ype HELP to get support on commands and navigation         elcome to the FreeDOS 1.1 operating system (http://www.freed         :\>Md PDS         :\>D:       :>		(1	1K)			0		(ØK)		11,	152		(118
DOSLFN       12,464       (12K)       0       (0K)       12,464         MOUSE       3,104       (3K)       0       (0K)       3,104         UIDE       960       (1K)       0       (0K)       960         Free       680,880       (665K)       639,504       (625K)       41,376         Drives Assigned       rive       Driver       Unit       0       41,376         D:       FDCD0001       0       0       0       0       0       0         drive(s) available.       reeDOS KEYB 2.01       - (c) Aitor Santamaría Merino - GNU GPL 2       0		(	18)			0		(ØK)			928		(18
MOUSE 3,104 (3K) 0 (0K) 3,104 UIDE 960 (1K) 0 (0K) 960 Free 680,880 (665K) 639,504 (625K) 41,376 Drives Assigned rive Driver Unit D: FDCD0001 0 drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 leyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXED ype HELP to get support on commands and navigation lelcome to the FreeDOS 1.1 operating system (http://www.freed :\>Md PDS :\>D:		(1	28)			0		(0K)		12,	464		(12)
UIDE 960 (1K) 0 (0K) 960 Free 680,880 (665K) 639,504 (625K) 41,376 Drives Assigned rive Driver Unit D: FDCD0001 0 drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXED ype HELP to get support on commands and navigation elcome to the FreeDOS 1.1 operating system (http://www.freed :\>Md PDS :\>D:		(	3K)			0		(0K)		3.	104		СЗК
Free 680,880 (665K) 639,504 (625K) 41,376 Drives Assigned rive Driver Unit D: FDCD0001 0 drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXE ype HELP to get support on commands and navigation elcome to the FreeDOS 1.1 operating system (http://www.freed :\>Md PDS :\>D:		(	18)			0		(0K)			960		(18
Drives Assigned rive Driver Unit D: FDCD0001 0 drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXE ype HELP to get support on commands and navigation lelcome to the FreeDOS 1.1 operating system (http://www.freed :\>Md PDS :\>D:		(66	5K)		639	, 504	(6	25K)		41.	376		(408
rive Driver Unit D: FDCD0001 0 drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXE ype HELP to get support on commands and navigation elcome to the FreeDOS 1.1 operating system (http://www.free :\>md PDS :\>D:													
D: FDCD0001 0 drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEG ype HELP to get support on commands and navigation lelcome to the FreeDOS 1.1 operating system (http://www.free :\>md PDS :\>D:													
drive(s) available. reeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEG ype HELP to get support on commands and navigation lelcome to the FreeDOS 1.1 operating system (http://www.free :\>md PDS :\>D:													
PreeDOS KEYB 2.01 - (c) Aitor Santamaría Merino - GNU GPL 2 eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3) one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXE ype HELP to get support on commands and navigation lelcome to the FreeDOS 1.1 operating system (http://www.free :\>md PDS :\>D:													
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one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXE ype HELP to get support on commands and navigation elcome to the FreeDOS 1.1 operating system (http://www.free :\>md PDS :\>D:	C	$C: \smallsetminus F$	DOS	BI	N\key	yboar	d.s	vs:UX	[8]	581	(3	)	
ype HELP to get support on commands and navigation lelcome to the FreeDOS 1.1 operating system (http://www.free :>>md PDS :>>D:	սլ	up f	iles	s C	:\FD	CONFI	G.S	YS and	d C	:\Al	ITOE	XE	.BAT
lelcome to the FreeDOS 1.1 operating system (http://www.free :>>md PDS :>>D:	01	ort	on d	сом	Mand	s and	na	vigat	ion				
lelcome to the FreeDOS 1.1 operating system (http://www.free :\>md PDS :\>D:													
:>>md PDS :>>D:	s	S 1.	1 01	oer	atin	a svs	tем	Chtt	p://	ини	ı. fr	eed	los.o
:>>D:			1			3 - 7 -			F				
• • • • •													

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)
DOSLEN 12 464 (12k) 8 (8k) 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
rive Driver Unit
D: FDCD0001 0
drive(s) available.
reeDOS KEYB 2.01 – (c) Aitor Santamaría Merino – GNU GPL 2.0
eyboard layout : C:\FDOS\BIN\keyboard.sys:UK [858] (3)
one processing startup files C:\FDCONFIG.SYS and C:\AUTOEXEC.BAT
ype HELP to get support on commands and navigation
elcome to the FreeDOS 1.1 operating system (http://www.freedos.org
SAM PDS
(N)dir
Volume in drive D is 130610_1226
Directory of D:>
DS <dir> 06-10-2013 11:15a</dir>
Ø file(s) Ø bytes
1 dir(c) 8 butos froo
i un (s) o bytes nee
:\>_

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	(18)	0	(08)	928	(18)
DOSLFN	12,464	(12K)	0	(0K)	12,464	(12K)
MOUSE	3,104	(3R)	0	(0K)	3,104	(3K)
UIDE	960	(1R)	0	(0K)	960	(1R)
Free	680,880	(665K)	639,504	(625K)	41,376	(40K)
Drives As	signed					
Drive Driv	ver Unit					
D: FDCI	0001 0					
2 drive(s)	available.					
FreeDOS KEY	B 2.01 -	(c) Aitor	Santamarí	a Merino ·	- GNU GPL 2	2.0
Keyboard la	yout :	C:\FDOS\B	IN\keyboar	d.sys:UK	[858] (3)	
Done proces	sing start	up files	C:\FDCONFI	G.SYS and	C:\AUTOEXE	C.BAT
Type HELP t	o get supp	ort on co	ммands and	navigatio	on	
	the Ercell	C 1 1 ana	mating aug	tow (http		don ong)
Neicome to	the FreeDo	s r.r ohe	rating sys	сем сисср	·//WWW.Iree	aus.ory)
C:\\Mu FDS						
D:\\dir						
Unlume in	drive D is	130610 1	226			
Directoru	of D:\	130010_1	220			
Bilectory	OI DI					
PDS		<dir> 06</dir>	-10-2013 1	1:15a		
0	file(s)		0 bytes			
1	dir(s)		0 bytes	free		
D:\>xcopy F	DS C:\PDS	́Е_				

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:\
                          <DIR> 06-10-2013 11:15a
PDS
           0 file(s)
                                       0 bytes
                                       0 bytes free
           1 dir(s)
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:N>dir
Volume in drive D is 130610_1226
Directory of D:N
PDS (DIR> 06-10-2013 11:15a
0 file(s) 0 bytes
1 dir(s) 0 bytes free
D:N>xcopy PDS C:NPDS /E
Copying D:NPDSNDEFAULTS
Copying D:NPDSNDEFAULTS
Copying D:NPDSNMAIN-MIX.CFG
Copying D:NPDSNMAIN-MIX.CFG
Copying D:NPDSNPDS.EXE
Copying D:NPDSNPDS.HLP
Copying D:NPDSNPDS.HLP
Copying D:NPDSNPDS.HLP
Copying D:NPDSNPTJR.CFG
Copying D:NPDSNPTJR1.CFG
Copying D:NPDSNTCJ1811.CFG
Copying D:NPDSNTCJNR.CFG
Copying D:NPDSNTCJRMIX.CFG
Copying D:NPDSNTCJUNIOR.CFG
COPYING D:NDSN
```

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

Volume i Director	n drive D is y of D:∖	s 130610	1226			
PDS		<dir></dir>	06-10-	-2013 1	l1:15a	
	0 file(s)		0	bytes		
	1 dir(s)		0	bytes	free	
D:>>xcopy	PDS C:\PDS	∕E				
Copying D	:\PDS\DEFAUI	LTS				
Copying D	:\PDS\INSTRF	а~З. ТХТ				
Copying D	:\PDS\MAIN-N	1IX. CFG				
Copying D	: NPDSNMAINM	IX.CFG				
Copying D	:\PDS\PDS.EX	<e< td=""><td></td><td></td><td></td><td></td></e<>				
Copying D	:\PDS\PDS.HI	LP				
Copying D	:\PDS\PRIJR.	. CFG				
Copying D	:\PDS\PRIMEI	RJR.CFG				
Copying D	:\PDS\TCJ18:	11.CFG				
Copying D	:\PDS\TCJNR.	. CFG				
Copying D	:\PDS\TCJR20	310.CFG				
Copying D	:\PDS\TCJRM]	IX.CFG				
Copying D	:\PDS\TCJUN]	IOR.CFG				
Copying D	:\PDS\TEST1.	. CFG				
14 file(s	) copied					
D:>>C:						
C:>>cd PD	S					
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\TCJNR.CFG Copying D:\PDS\TCJR2010.CFG Copying D:\PDS\TCJRMIX.CFG
Copying D:\PDS\TCJR2010.CFG Copying D:\PDS\TCJRMIX.CFG
Copying D:\PDS\TCJRMIX.CFG
1, 0
Copying D:\PDS\TCJUNIOR.CFG
Copying D:\PDS\TEST1.CFG
14 file(s) copied
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 *.*
$[R-] \rightarrow [A]$ DEFAULTS
[R-] -> [A] INSTRA~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
$[R-] \rightarrow [A] TCJNR.CFG$
[R-] -> [A] TCJR2010.CFG
[R-] -> [A] TCJRMIX.CFG
[R-] -> [A] TCJUNIOR.CFG
$[R-] \rightarrow [A]$ 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-] PRIMERIR CFG
[R-] TCJ1811_CF6
[B-] TEST1.CFG
C:\PNS>attrib -R +A *.*
$[R-] \rightarrow [A]$ DEFAULTS
[R-] -> [A] INSTRA~3. TXT
[R-] -> [A] MAIN-MIX.CFG
[R-] -> [A] MAINMIX.CFG
$[R-] \rightarrow [A] PDS.EXE$
$[R-] \rightarrow [A] PDS.HLP$
[R-] -> [A] PRIJR.CFG
[R-] -> [A] PRIMERJR.CFG
[R-] -> [A] TCJ1811.CFG
[R-] -> [A] TCJNR.CFG
$[R-] \rightarrow [A]$ TCJR2010.CFG
[R-] -> [A] TCJRMIX.CFG
[R-] -> [A] TCJUNIOR.CFG
$[R-] \rightarrow [A]$ 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	