













































IBM.		@server*
Notes: F	lost Print	Transforms (HPT)
Host Print Transforms - pri iSeries based on the printe into the PC spool file.	inter commands and ASCII data is r model. These are passed to the	s created at the e emulator in SCS command called ASCII Transparency (ATRN). The Emulator moves the ATRN data
Transform work is done or	iSeries using Workstation Custo	mization object ("WSCST)
May be modified by the fol Retrieve source for existin Edit source to customize h Create a new WSCST obj	lowing steps g WSCST (RTVWSCST comman ow you want it ect from source (CRTWSCT Con	d) Imand)
HPT is supported for PCL, HPT is NOT supported for	PPDS and Epson ASCII Printers HP DeskJet printers that use PF	A instead of PCL (eg, 820 Series)
DBCS WSCST files (recor	mmend the NPB files)	
MFRTYPMDL W	/SCST	
*IBM5575	QWPIBM2412	IBM non-PAGES printers
*IBMPAGESNPB	QWPPAGESNP	IBM 240-pel PAGES printers w/o no-print border
*IBMPAGES300NPB	QWPPAGE3NP OWPPAGES IPM	IBM 300-pel PAGES printers w/o no-print border
*IBMPAGES	OWPPAGES IBM	IRM 300-pel PAGES printers
*CANLIPS3	QWPLIPS3	Canon LIPS3 printers
*CANLIPS3NPB	QWPLIPS3NP	Canon LIPS3 printers w/o no-print border
*HPDBCS	QWPHPDBCS	HP PCL (raster mode only)
*ESCPDBCS	QWPESCP	Epson ESC/P DBCS
*NECPCPR201	QWPNEC201	NEC PCPR201
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Why Use HPT	
Graphics	
Postscript support	
 Ability to modify output 	
 Central Control of Print output 	
 Gets customization files sooner than PDT 	
• DBCS	
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PC5250 Printer Emulation -	the first step
Step up Printer in Windows	Printers Eile Edit View Help Image: Add Printer Dennis Paper Printer
Image: Second state of the second	HP OfficeJet HP OfficeJet IBM 4019 LaserPrinter IBM 4029 LaserPrinter PS39
1 object(s) selected	Mark's Printer Wally
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Notes: THE FI	RST STEP	
This may seem simple but the first thing you	need to do to set up PC5250 Printer Emulation is ensure th	e Printer on LPT1 is configured and known by Windows
1. Select My Computer 2. Select Printers If not defined select "Add Printer"		
SuppressDefaultPrinterMessage=NO		
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Ī	BM.							erver*
S	Start/C	Confi	gure F	PC52	50 (V	5R2)		
Eile	IBM Personal e <u>E</u> dit <u>V</u> iew	Communical Help	tions					
	bds	cat5	catelo	Catelop	catelop4	catelop5		<u>Start</u>
	Catelop5 (2)	Catelop5 (3)	lots	maximixed	mine	PC5250 Emulator icon		New Session
	PC5250 Emulat	Rchas194	Rchas194 (2)	Rchaspic	RCHASSLH	test)	New Multiple Sessions
	test							
Nur	nber of Profiles:	: 15, Number o	f Batch Programs	: 4				
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Notes: Start/C Allows to start an existing session Allows to configure a new batch session Allow to configure an exponent	onfigure PC5250	(V5R2)
Due to the nature of the session manager, use from session manager onto the desktop. Panel contains existing .ws and .bch profiles. .ws profiles listed in yellow Right click on .ws profile name allows you to: Start- start the sesssion Delete- Delete the .ws file Hide- Hide the icon for the session. .bch profiles listed in turquoise Right click on .bch profile name allows you to: Start .Start the multiple sessions profile Modify .Start the multiple sessions ditor for a Delete- Delete the .bch file Hide- Same as for .ws profiles.	ers will no longer be prompted to save sessions as icons o given batch file.	n the desktop. Icons, however, can be dragged and dropped
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IBM.	@som/or
Start/Configure PC5250 (V5R1) IBM Personal Communications Welcome to IBM Personal Communications Start or Configure Session. Before you can connect to a host system, you must first select one of the following options: Start Start an existing workstation profile Configure Configure a new workstation profile For help, press the F1 key. Thank you for choosing IBM Personal Communications.	e, server*
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IBM.			e server*
Start	Open WorkStation Profile File Name: Directorie System2.ws C:\PROG Ichvsl.ws Ichvsl.ws rchvsl.ws Ichvsl.ws rchvsl.ws Ichvsl.ws rchvsl.ws Ichvsl.ws rchvsl.ws Ichvsl.ws rchvsl.ws Ichvsl.ws rchvsl.ws Ichvsl.ws prostructure Ichvsl.ws system2.ws Ichvsl.ws yourprt.ws Ichvsl.ws Description: Ichvsl.ws List Files of <u>1</u> ype: Drives: WS Profiles (*.WS) Ichvsl.ws	S: RA~1\PRIVATE gra~1 rsonal Commun ivate Network	
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IBM.
PC5250 HPT
System name: SYSTEM2 Properties
Workstation ID Use Computer name Add prefix to indicate printer or display Use Windows user name Avoid duplicate names on this workstation Specify workstation ID Avoid duplicate names with other workstations
Truncate: © Beginning characters Type of emulation
Display Size: 24x80 Printer Setup
■ Bypess signon Auto-reconnect Host code-page: 037 United States
Port number: 23
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IBM.		@ server
PC5250 I	IPT	
	PC5250 Printer Emulation Setup	
	AS/400 Printer messages Message Queue: QSYSOPR Library: 1LIBL	
	Font for AS/400 print file: Courier 10	
	Drawer 2: None Envelope hopper: None	
	Printer supports ASCII code-page 899 Customizing Object: *NONE	
	Library: NONE	
	ОК	Cancel Help
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IBM.	@sorvor*
PC5250 HPT	
20 Session A - [24 x 80]	l 🗗 🔀
File Edit View Communication Actions Window Help New Open Image: Serie Asia Image: Serie Asia Image: Serie Asia Serie Asia Endos Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen Collection Image: Serie Asia Image: Serie Asia Proti Screen	
Run the Same Run other Exit All Exit	
MB <mark>a</mark> a	01/001
PCS250 Image: Start Image: Start	6:17 PM Wednesday
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IBM		@server*
PC525(D HPT	C, SCI VCI
	Printer: Print to Disk - Append Print to Disk - Separate Epson Stylus COLOR ESC/P 2 on LPT1: Tom's Network DeskJet 890C on \Wiper9 HP LaserJet 4 on LPT1: Tom's Color Printer on LPT1: Becky's Office Printer on LPT1: Use Windows Default Printer Becky's Office Printer on LPT1: Use PDT Show this dialog before every print	OK Cancel Help Select PDT
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IBM.		@server*		
"No p	"No printer selected" Message			
"You hav be used	e not set up a printer for this sessic instead. To select a printer, choose	on. The Windows default printer will Printer Setup in the File menu."		
	Printer Setup			
	Printer:	ок		
	Print to Disk - Append Print to Disk - Separate Epson Stylus COLOR ESC/P 2 on LPT1: Tom's Network DeskJet 890C on \Wiper9 HP LaserJet 4 on LPT1: Tom's Color Printer on LPT1:	Cancel Help		
	Becky's Office Printer on LPT1:	Setup		
	Use Windows Default Printer Becky's Office Printer on LPT1:	Select PDT		
	☑ Show this dialog before every print			
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IBM	Γ.		erver*
PC5	250 PDT	? X	
	System name: SYSTEM2 Workstation ID C Use Computer name C Use Windows user name Specify workstation ID MyPrinter	Properties Properties Add prefix to indicate printer or display Avoid duplicate names on this workstation Avoid duplicate names with other workstations	
	Truncete: C Beginning characters Type of emulation C Display C Printer	C Ending characters	
	Bypess signon Auto-reconnect Host code-page: Port number:	037 United States 23 OK Cancel Help	
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IBM.		@server"
Notes: Configure Session 1. Start or Configure Session 2. On the Configure PCS250 select Sys 3. Specify a Printer Di In Workstation II 4. Cick on the Printer option for Sessio 5. Cilck autoconnect to autostart the print 6. Cilck on OK on the Configure PCS2 or message queue) The ost session will then be started. Th Workstation ID. If a Workstation ID was displayed in the Status panel	iguring PDT Trans Mem Name Dield In Type Inter So panel (not necessary to go to SETUP unless you want to chu ne Session panel will be displayed with the printer Status pane not specified in the configuration, the printer device will be auto	Server* forms ange fort el containing the Hostname of the iSeries and the local e-created by the system and the auto-created name will be
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IBM.	@com/or
	e server
PC5250 PDT	
₽0 Session A - [24 x 80]	_ 3 ×
File Edit View Communication Actions Window Help	Named Strengt
New Open Save Save As LP016AB / SCHMIEBA	
Print Screen Print Screen Collection + Print Screen Collection + Print Screen Collection + Printer Setup Page Setup Page Setup	
Run Other STOP Cancel	
Exit All Exit	
	01/001
ND A	01/001
27 Start) 2 3 四 3 2 0 5 2 4 2 12 2 3 3 Address @ http://w3.ibm.com/ 2 例 PC5250 ● IMM Intr ● Re: PMO 20 @ession @ PC5250	Freelanc
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IBM.			erver*
PC52	50 PDT		
	Printer: Print to Disk - Append Print to Disk - Separate Epson Stylus COLOR ESC/P 2 on LPT1: Tom's Network DeskJet 890C on \Wiper9 HP LaserJet 4 on LPT1: Tom's Color Printer on LPT1: Becky's Office Printer on LPT1: ✓ Use Windows Default Printer Becky's Office Printer on LPT1: ✓ Use PDI Show this dialog before every print	OK Cancel Help Setup Select PDT	
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PC5250 PDT	
Select PDT file ? X Look p: PdPAt • C * C * basic_asci.pdt © Ibm5585.pdt @ esc.p.pdt © Ibm5587.pdt @ esc.p.pdt © Ibmp95.pdt @ hpp05.pdt © Ibps3b4.pdt @ Ibm5577.pdt @ Ilps3b4.pdt @ Ibm5577b.pdt	Select PDT file Image: Select PDT file Look jn: Image: Select PDT file Image: Select PDT file Image: Select
File game: TPDT OK Files of type: PDT Files ("PDT) Cancel Concel PDE	Files of type: PDT Files (*PDT) Cancel Convert PDF
Note: PDT Files upo	lated for V5R3
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PC5250 PDF files	
Convert PDF to PDT	Convert PDF to PDT
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Cancel	Files or type: PUF Files (".PUF) Cancel
Нер	Help
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IBM		e server
Notes: PDT/PI	DF Selection	
The default PDF and PDT files are located in t	the PDFPDT subdirectory of the Personal Communications ins	stallation image.
If you want to modify an original PDF in order information about printer parameters and PDF	to make your own, the table below will help you to identify the s, refer to the Personal Communications emulator reference b	original PDF for the printer that you want to use. For additional looks and the Administrator's Guide.
PDTs (Printer Definition Tables) are compiled	from PDFs (Printer Definition Files). PDFs contain printer com	mands that must be understood/supported by your printer.
The following are the basic printer languages: · PCL (HP's Printer Control Language) · PPDS (IBM's ProFiniter Data Stream) · ESC/P (Epson's printer control language) · POSTSCRIPT (IBM does not supply PDFs for	or this language)	
You do not need a PDF for each different print	ter model. PDFs are named for the printer language (such as h	HPPCL5, IBMPPDS, ESC_P), not the printer model.
These PDFs (and PDTs) are copies of the folk HPLJ4 (for all PCL5 and PCL6 language printers) IBM4212 (for all PPDS language printers) LQ870 (for all EPSON language printers)	owing: iters)	
These PDFs have one change: the Character adverse effect for Latin1 languages.	Definition section has been commented out. Any PDF used fo	r non-Latin1 languages must have this done, and there is no
If you already have modified PDFs or any PDF	F and PDTs with different names than those below, your modif	ied PDFs are retained during installation.
The End_Job statement in a PDF contains the to the printer. The FormFeed is not needed if t extra FFs in the spool. So the FFF is some ad blank page, remove the FFF.	printer commands sent to the printer at the end of each print j the host application ends the job with the FF. Some print driven ditional protection in cases where the host application is not us	iob. If the End_Job contains an FFF a FormFeed (FF) is sent rs will add the FF if needed, and most print drivers will ignore sing a FF, and usually causes no problem. If you get an extra
The following PDFs contain the FFF, except th are indicated. PDFs that are not shipped with I	nose marked with a *. Some PDFs can be used for both 3270 a Personal Communications can be found at the following FTP s	and 5250 printing: the PDFs that should only be used for 3270 ite: ps.software.ibm.com/ps/products/pcom/samples
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IBN			@server*
PC5	System name: SYSTEM2	₹ Properties	
	Workstation ID Use Computer name Use Windows user name Specify workstation ID MyPrinter	Add prefix to indicate printer or display Avoid duplicate names on this workstation Avoid duplicate names with other workstations	
	C Beginning characters C Beginning characters Display Printer	C Ending characters	
	Bypess signon E [Auto-reconnect] Host code-page: Port number:	037 United States 23 OK Cancel Help	
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IBM		e server
PC5250 GDI		
쾨 Session A - [24 x 80]		
File Edit View Communication Actions Windon New Open	w Help Var 🔟 🗠 🔗	
Save Save As LP016AB / SC	CHMIEBA	
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04 9		
3 Start 3 国 多 2 ● ト 公 会 3 アC5250 ● IBM Intr.	🛗 💟 😰 🦢 📄 🍟 Address 🔊 http://w3.ibm.com/	Freelanc
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PC5250	GDI Printer Setup Printer: Print to Disk - Append Print to Disk - Separate Epson Stylus COLOR ESC/P 2 on LPT1: Tom's Network DeskJet 890C on \\Viper9 HP LaserJet 4 on LPT1: Tom's Color Printer on LPT1: Becky's Office Printer on LPT1: CV Use Windows Default Printer Becky's Office Printer on LPT1:	OK Cancel Help Setup
	☐ Use PDT ✓ Show this dialog before every print	
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PC5250 GDI	Paper sign: Letter (B 50 x 11.00 in) Letter Legal Letter Legal Letter Legal Letter Legal Letter Legal Letter Legolt Legolt Restore Defaults Legolt Legolt
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IBM.	@server"
Summary of configuratio	PDT Printer Setup
Printer supports ASCII code page 899 Customizing Object: NONE Library: NONE OK Cancel Help OK Cancel Help	GDI Do nothing extra iSeries. mySeries.

IBM		@server*
Summary of	config	
Whether using PDT/GDI vs HPT is base	d on PC5250 Printer onfiguration panel	
The determination of whether using PDT	or GDI is based on Printer Setup panel	
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Page Setup Page Setup Drientation Prom Settings Advanced Options Margins Top Margin: DS Inches Left Margin: 0.50 Inches Page Drientation Page Drientation Drawer-1 orientation: Computer output reduction Portrait Camputer output reduction Portrait Landscape Use best fit scaling DK Cancel Apply Help	server
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Notes: Page Setup - Orientation
TOP_MARGIN=xx
"xx" is a decimal number (either inches or centimeters - depending upon your locale) and represents the offset that will be reserved as the top margin. The Bottom Margin is set equal to the TOP_MARGIN.
The value entered should represent the distance from the paper's edge. However, most Print Drivers enforce a nonprintable border (area). The default (original value shown) represents the Print Driver's enforced margin. Your input value cannot be less than that value; if it is, the Driver's value is substituted for your value. Warning: some printers have an additional nonprintable border not represented in the Driver's value.
LEFT_MARGIN=xx
"xx" is a decimal number (either inches or centimters depending upon your locale) and represents the offset that will be reserved as the left margin. The Right Margin is set equal to the LEFT_MARGIN.
The value entered should represent the distance from the paper's edge. However, most Print Drivers enforce a nonprintable border (area). The default (original value shown) represents the Print Driver's enforced margin. Your input value cannot be less than that value; if it is, the Driver's value is substituted for your value. Warning: some printers have an additional nonprintable border not represented in the Driver's value.
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Notes: Pag	Je Setup - Orienta causes the Page Orientation and CPI to be calculated bas	ed on the PAGESIZE (AS/400 Printer File paramenter) as follows:
Width	Length	Result
<=8.5"	<=11"	Portrait CPI unchanged*
<=11"	<=8.5"	Landscape CPI unchanged*
>11"	any Landscape	CPI changed by 75% LPI changed by 70%
Any >11"	Landscape	CPI changed by 75% LPI changed by 70%
>8.5"	<=11"	CPI changed by 75% LPI changed by 70%
<=11"	>8.5"	CPI changed by 75% LPI changed by 70%
 * means that if the width is > than I No, causes the specified Drawer C 1. If the output exceeds the currer 2. If the output fits the current pag used. 	the depth, output will be in landscape. Drientation to be used. It page-size, Drawer-1 or Drawer-2 Orientation is used. e-size, the dimensions are compared. If the shorter dimen	ision is specified as the depth, landscape is used; otherwise portrait is
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Page Setu	up - Advanced Options	
	Page Setup X ftill Orientation B Form Settings Advanced Options Printer Font Code Page: 1252 ▼ Image: Image: 1252 ▼ Image: Image: 1252 ▼ Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: </th <th></th>	
	Default Default Cancel Apply Help	
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IBM		Comion"
Page Setu	o - Form Settings	
	Page Setup	
	Contentation From Settings Advanced Options Drawer-one from Letter Drawer-two from Letter Envelope-hopper from Letter L	
	Defaults OK Cancel Apply Help	
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SAVING	YOUR PRINTER EMULATION	I PROFILE
Save workstatt	x 🔄 private 💽 🔶 🖿	* •
History History Desktop My Documents My Computer My Network P	Image: second system Image: second system Image: second	x w may have changed one or more of Save Cancel Help
© 2004 IBM Corporation	IBM CONFIDENTIAL UNTIL ANNOUNCED	ies. <mark>my</mark> Series.

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PC5250 Printer Panel	, 501 VOI
Image: Second status Actions Mindow Help Image: Second status Image: Second status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status	
MB a 01/ 3 ²¹ [Connected to remote server/host SYSTEM2 using port 23 Becky's Office Printer on LPT1: * 2004 IBM Corporation IBM CONFIDENTIAL UNTIL ANNOUNCED	Series.







