

PCLTool SDK V8.39i / PCLWorks V8.39i 8/13/2007

RELEASE NOTES

PCLWorks.exe is a new standalone client workstation version of the PCLTool.exe that comes with the PCLTool SDK. And, it is a replacement for the now obsolete PCLTool Program and PCLTool Program (pilot version) products. This release note covers all the enhancements (in **bold**), modifications and bug fixes to PCLTool SDK and PCLWorks since V8.1 (Please refer to *PTRELN81.PDF* for the final V8.19 release notes). The major changes included in V8.3 released on 11/5/2006 include:

MAJOR ENHANCEMENTS:

PDF/A Format: Added support for creating PDF's in the new ISO 19001/5 **PDF/A-1a** and **PDF/A-1b** international standard for long-term archiving. The new ISO 19005-1 standard that defines PDF/A format is the digital document standard for the long-term preservation of required tax, legal, historical, transactional and other important documents.

Archiving in PDF/A format to satisfy your corporate, HIPAA, Sarbanes-Oxley or other legal requirements is the best way to ensure that you will be able to search, retrieve, view and print your documents in the future with the full legal fidelity of the original. PDF/A format will remain compatible as PDF technology evolves. This is why the International Standards Organization in conjunction with the US Courts, Library of Congress, ARMA, AIIM, NARA and many more major institutions around the world have approved PDF/A files for long-term archiving of documents. This new standard defines a subset of PDF 1.4 format and composition rules that will withstand the test of time.

PDF/A is device-independent, self-contained, self-documenting (with XMP metatags) and transparent to direct analysis with basic tools for indexing, etc. Basically, it inhibits the use of PDF functionality that may cause problems in future releases. If you generate PDF documents from a product that complies with this new PDF/A standard, your files will be safe and viable for the years to come.

Programs enhanced to create PDF/A output: PTC32.dll/PTCNet.dll/ PDFWrite.dll/IMGCVT.dll/IMGCVT_Net.dll
PCLTool.exe/PCLWorks.exe/PCLXForm.exe/PCLXForm_Net.exe/IMG2PDF.exe
PTC32.ini/APP.ini

IMGCVTNET.exe Added a new .Net version of IMGCVT.exe with C# source code.

PCLPDF_Net.exe Added a new .Net version of PCLPDF.exe with VB.Net source code

PDFWrite.dll	Added support for JBIG2/Color speed enhancements and fixed a transparency overlay issue	TESTJPEG.PCL
PTC32.dll	Added support for PCL3GUI (output for medical/lab/WIN CE devices)	JadTech
PTC32.dll	Increased color object conversion speed by caching re-occurring color objects found in file	mercerc/htc
PTC32.dll	Increased color object conversion speed with enhanced algorithms	mercerc/htc
PTC32.dll	Increased JBIG2 raster object conversion speed with enhanced algorithms.	

MODIFICATIONS:

.\SOURCE	Re-arranged all our sample source code and sample custom programs.	
AcctUtil.dll	Updated with function to uninstall PService running PageCounter.exe or HotDir.exe.	JadTech
FastPrint.exe	FastPrint.exe no longer needs a runcode for unlimited use.	
Help Files	Complete overhaul of all help files into HTML Help format with cross-indexing.	
IMG2PCL.exe	Positioning allows you to enter non-numerics.	
IMGCVT.dll	Fixed error in creating PCL5 compressed PCL raster.	
IMGCVT.exe	Now looks at all the new 2PCL.ini values, like the new X,Y offsets.	
PTC32.dll	Calculates and shows elapsed EOJ time in .log files.	
PTC32.dll	Fixed a View PCL in vector mode or conversion to EMF/WMF problem of not remapped d/l font ids	ACORDFRM.pcl
PTC32.dll	Fixed an edge case where the appropriate PCL5C colors were not being converted	Isis-Papyrus
SFP2FF132.dll	Convert to PDF-vector with embed SFP's in TESTSFP.PCL has clipped "2" character in TTF created	TESTSFP.PCL
SFP2TTBM.dll	Added support for reverse-landscape fonts.	HUK
TechSupport.exe	Needs to save and include any runcode.PGT files found in any product root folder	
TNXDump.exe	Fixed rounding error with "Output Dimensions Units per Inch" value	

REMOVED, REPLACED or MOVED Programs:

IMGCVT.exe or IMGCVTNet.exe replaces: JPEG2PCL.exe, JPEG2PDF.exe, TIFF2PCL.exe & TIFF2PDF.exe
PCLTWrap.dll No longer needed when calling either PTC/PTV .dlls from VB/DELPHI/etc.

Changes in V8.35 – 1/20/2007

Filter.exe/Filtr.dll	Upgraded Filter.exe/Filtr.dl/Call_Filter function to do multiple search/replace edits in one pass	BestComp
PCLXForm.exe	Added 10 new command functions for adding PostNet Barcodes, OMR marks & Extracting Pages	BestComp
PCLXL32.dll	Enhanced ability to extract text from PCL XL files using CDRS options in PCLTool.exe	
PDFFIX.exe	Upgraded PDFFIX to find and fix PDF's that need to print on PostScript printers.	
PDFWrite.dll	Fixed bug that inhibited printing PDF's that we created to PostScript printers	APPIC
PTC32/XLDLL.dll	Added additional support for HPLJ 3500/3550/3600 PCL6 JetReady raster (JPEG) graphics	

PTC32/XLDLL.dll	Added support for landscaped 24-bit color raster	Oregon.pcl
PTC32/XLDLL.dll	Added support to handle a new color raster scaling function.	FujiKR2
RUNCODE.ini	Extended expiration date to 12/31/35	
SFPFF132.dll	Added support to handle first download bitmap character mapped to cell "0"	FujiKR1

Changes in V8.39 - 8/13/2007

Major Enhancements:

PTC32.dll	Added support to output to XPS format
IMGCVT.dll	Added support to output to XPS format
IMG2XPS.exe	TIFF or JPEG to XPS conversion utility XPSViewer: PageTech currently creates XPS files with unrestricted access. Later releases will allow the creator to encrypt the XPS document, so the XPS Viewer will require authentication before allowing a user to view the document. There's no need to use the 'Permissions' button in the XPS Viewer when viewing an unrestricted XPS document. For more information about Windows Rights management services, we suggest starting with the link: http://en.wikipedia.org/wiki/Windows_Rights_Management_Services
PMon Indexer	Added a powerful new indexing feature to our Port Monitor. With the Indexer function, you can add up to 8 custom keyword fields to the information that the Port Monitor collects from the Print Manager. This information gets inserted as PjL Comments into the captured/redirected spool files. This new feature comes with a new default.tpt file to convert the spool file into PDF, as it did before. However, the index text is now inserted into the Keyword section of the PDF file header and an external .idx text file is created with all the index keys extracted from the PCL.
Filter.exe	Added full support for "-7 -s" font character-level optimization to reduce PCL file size and throughput.

Modifications:

App.ini	Added [PCLXForm] section to APP.INI with a new SilentStartup=1 function Some startup errors that can occur in PCLXFORM get flagged with a dialog box, regardless of the 'Silent' setting in the TPT script. These are errors that cause termination, before the TPT script is processed. These errors include runcode errors, and errors parsing the TPT script. For situations where even these items should not be reported by a modal dialog box, we've added a new setting to suppress the dialog box, and only record the condition in a log file before exiting. These involve settings in PTC32.INI and APP.INI. These settings can not be set at runtime, the files must be edited to create the entry. They should only be used in situations where dialogs boxes cannot occur, even when pclxform cannot run. Remember that if PCLXFORM does not run as expected, remove these settings and run again to discover the reason.	DevInfo
Im30tif.dll	Fixed bug when PCL XL file with color creates a corrupted TIFF that crashes when viewed	Linden
IMGCVT.dll	Added new function to accept input of raster image from other applications	ScanData
IMGCVT.dll	Added new raster object only output format	ScanData
IMGCVT_64.dll	Created a 64-bit version of IMGCVT for faster conversions of JPEG labels to PCL In APP.INI, add a new Section [PclXForm], and then add the entry SilentStartup=1 In PTC32.INI, in the [Misc] section, add the entry DisplayStartupErrors=0	ScanData DevInfo
PCLCodes.exe	Fixed metrics computing error from d/l bitmap fonts with non-zero valued in height-extended field	MRG
PCLCodes.exe	Now identifies Type 16 fonts with the Universal tag	
PCLPDF_Net.exe	Enhanced source code to facilitate running in a ASP .Net environment	CBMArchives
PCLPDF_Net.exe	Enhanced source code to facilitate running in certain ASP .Net development environments	CBMArchives
PCLWorks.exe	Added a new PCLWorks Program product that does not count pages for unlimited use	pt157
PCLXForm	PCLXForm check NoSave pref. before updating PTC32.INI w/SetPref's - causes A/V sfwr to interfere	DevInfo
PCLXForm	Fixed bug when InputFilename=*. *	Doral
PCLXForm.exe	Now recognizes functions that set the output resolution	DevInfo
PMon/Hdir	Documented how to set the permissions to output to a UNC drive/path	Blueware
PMon64.dll	64-bit version of Port Monitor	
PMRemove64.exe	64-bit version of PMon uninstaller	
PMSetup64.exe	64-bit version of PMon installer	
PTC32.dll	Added code to help PNG reading programs find the resolution of image data	Alcon
PTC32.dll	Added logic to accept HPGL/2 SI command with poor syntax which caused a larger font than on the printer	PMSI/TME
PTC32.dll	Added new PREF_INTL_ALSOINX function to index PCL during a conversion	BestComp
PTC32.dll	Added new PREF_INTL_ASCII SAVE function to only watch for missed chars. found in .IBL fields.	BestComp
PTC32.dll	Added support for Sharp PCL XL compression mode 2001 (grayscaled logo)	Linden
PTC32.dll	ASCII value Dec(7) BEL and Dec(11) VTAB are now ignored control chars. in download fonts	Blueware
PTC32.dll	Expanded the character mapping of the internal symbol set for ISO:21 German	Aareon
PTC32.dll	Fixed a problem when setting 600 dpi resolution with watermarking turn-on in the demo version	DevInfo
PTC32.dll	Fixed metrics computing error from d/l bitmap fonts with non-zero valued in height-extended field	MIDRID
PTC32.dll	Fixed page counting bug when converting to raster PDF without PageCounter running	DevInfo
PTC32.map	Add Windings Bold to font map	WTUS/AllMyPpr
PTCNET.dll	Added code to facilitate running in a ASP .Net environment	CBMArchives
PTCNET.dll	Made more compatible for Win2000 environments	Trifin
PtRCode64.dll	64-bit version of runcode checker that PMon64.dll uses	
PTV32.dll	Fixed color BMP/DIB displaying all black when quality setting is not set to "lighter"	meta
SFP2ttbm.dll	Fixed bug when handling zero length glyphs	
TNXDumpg.exe	Report Text/View text buttons need to show when job ended when writing over existing rpt. file.	
XLDLL32.DLL	You must turn-off Warnings, Low-Level indexing to View PCL PCLXL files until next release	xlc23/xljr9.pcl

Changes in V8.39a through V8.39i - 8/13/2007

Modifications:

2pcl.ini	Added new [Output] TandemFormat=1 preference for custom application	Dofasco
Default.tpt	Added option to turn-off the creation of the IDX files with "cbCreateIDXFile=false" option	
HotDirZ.exe	Determined that Hour glass in foreground is caused by the way custom VB program is invoked	SUNCREST
Img2PCL.exe	Added code to generate PCL with 134 bytes per line of raster data for Tandem mainframes	Dofasco
Img2PCL.exe	Added code to handle additional conversion YCbCrK -> RGB	Datamgmt
ImgCvt.dll	Added code to generate PCL with 134 bytes per line of raster data for Tandem mainframes	Dofasco
ImgCvt.dll	Fixed inability to read certain TIFF files due to insufficient buffer space to render compressed color	Sambb
ImgCvt.dll	Remove call to GDIPlus.dll	
LIC830.pdf	Reduced pricing for Extended Use Options	
PCLCodes	Added code to detect PCL XL error condition	JadTech
PCLTool.exe, etc.	Now will convert files with any extension	APPIC
pcltsdk.lst	File list updated	
pcltsdk.rul	InstallShield script updated	
PCLXForm.exe	Added script code to remove blank top/left margins	KayeS
PCLXForm.exe	Default.tpt modified to extract the index text from PJL comments added by Indexer.exe	
PCLXForm.exe	PREF_INTL_FILLSTATE_WHITE .tpt function added to place white text in PCL Streamedit output	DocuTS
PTC32.dll	Added code to more fully support the HPGL/2 CYMK color model	DevInfo
PTC32.dll	Added code to remove blank top/left margins	Kayes
PTC32.dll	Added support for a new way to copy/assign fonts	ISE
PTC32.dll	Added support for Kentek compression #99 with raster data blocked in greater than 64k objects	UBSI
PTC32.dll	FavorDownloadedLinedraw pref. added to PTC32.ini [MISC] section - turn-off certain linedraw selections	MVI
PTC32.dll	Fit dimensionless image to 8 inch width.	Mirco
PTC32.dll	Fixed 32k download font description limit with Chinese fonts	Toptech
PTC32.dll	Fixed edge cases of palette reset and automatic overlays	THIG
PTC32.dll	Improved the way we determined underline spacing to not rely only on font data that maybe wrong	SoftCarr
PTC32.dll	KeepOffPageText preference added to access text placed off the printable area.	Lindenhouse
XLDLL.dll	Added code to detect PCL XL error condition	JadTech

Major Enhancements (BETA) included for Custom Client Applications ONLY– will be in next V8.x release for all clients:

HotDirZ.exe	Multi-Folder watching program	PlainAns
	InstallPTWinEvents.exe - installs/uninstalls PageTechEvents.dll	PlainAns
	PageTechEvents.dll - Event logging program called from any .exe	PlainAns
PCLXForm.exe	Added code to log events in Windows Event Handler	PlainAns
TestTptServices.exe	– Sample VB program to insert stream edit text, then convert to PDF	PGE2
TptSrvc.dll	This .dll replicates PCL stream edit application functions found in PCLXForm that are not in PTC32.DLL	PGE2