

PCLTool SDK / PCLWorks V8.08 – 9/2/2005

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 V7.90G (*Please refer to PTRELN79.PDF for the final V7.90E release notes*). The major changes included in V8.0 include:

Increased overall level of compatibility with PCL5c and PCL XL (PCL 6) by adding more color graphics support for conversions to both raster and vector formats.

NEW Programs:

AcctUtil.dll	Used by Setup test for correct permissions for PageCounter & removes leftover UIRemove.txt files.
FastPrint.exe	Redirects PCL to PCL printer driver using the EscapePassthrough function to print PCL “as is”.
GenAMP.exe (beta)	Replaces FEGEN/FEGENXL.exe for generating CDRS character database files (.amp) from Appls.
Img2PDF.exe	Added new GUI program to convert full color TIFF and JPEG images into PDF files.
ImgCVT.dll	Replaces TIFF2PCL, TIFF2PDF, JPEG2PCL and JPEG2PDF.dll's.
ImgPCL.exe	Added new GUI program to convert full color TIFF and JPEG images into inline PCL or macros.
PageCounter.exe	Host runcode agent to manage page counting from remote PC's or multiple users
PCLTool.exe	Added Support for PCL XL (PCL 6). Moved most Filter/Extraction functions to Convert dialog.
SFP2ttbm.dll	Exclusive new on-the-fly download bitmap to scalable TrueType font converter.
TNXDump.exe	A GUI version of Windows console program - TNXDump.exe.

MAJOR ENHANCEMENTS:

Setup.exe	Added a more simplified installation with a UnInstaller .
PMon + LJ4 Drv.	PMon can now transparently install the LJ4 Ptr. Driver and assign itself as it's pre-configured port.
PCLXForm.exe	Added many new and powerful functions.
PCLCodes.exe	Added support for PCL XL (PCL 6), JPEG and JetReady Compression. Added Web Service.

MODIFICATIONS:

ATF.CFG	Is no longer needed	
Filter	-7 -s oiti\mercer\fromdocprint.pcl to fdp.pcl – doesn't create a good output file	[OITI]
GUI's	Added better support for LFN's in the Convert source/dest.	
GUI's	Assume all command line, associated or “drag and drop” input files are PCL with any extension.	
GUI's	Issues a “Unsupported File Format” message if you detect any files with extensions we generate.	
GUI's	Provide File Browse dialogs to support LFNames throughout all GUI .exe's, progress bars, etc.	
HotDir.exe	Looks for RUNCODE.INI in it's directory – look for runcode.rte with path to the runcode.ini?	
HotDir.exe	Schedules an interval time to launch	
Img2PCL.exe	DOC: Conversion Error display: Cannot create macro or logo from multipage image – error opening output page”	
Img2PDF.exe	Block Select Input Files.	
ImgCVT	Source code files and test application code in S:\src\Source\imgcvt and \MSVC\Builds	
ImgCVT.dll	Needs a custom .exe to test for OptCode bit “1” for our .exe only vs. “0” for custom pgmg.	
ImgCVT.dll	TIFF2PCL, TIFF2PDF, JPEG2PCL and JPEG2PDF.exe's now call this .dll.	
PageCounter.exe	Only looks at new version-specific entries in registry	
PageCounter.exe	Added Systray icon	
PageCounter.exe	Host runcode agent to manage PCLXForm page counts used by remote PC's.	
PCLCodes.exe	Add support for Escape with no commands in the parser	[VUCOM]
PCLCodes.exe	Added support for JetReady Compression	[testJetR]
PCLCodes.exe	Added support for PCL XL JPEG Compression	[testJPEG]
PCLCodes.exe	Added the “-----” after TextData for easier text viewing of PCLXL: “TextData ----->: XXX”	
PCLTool.exe	Removed FILE->”PCL to PDF” list box item – replaced with new Convert Dialog	
PCLTool.exe	.PRN, .LIS, .PCL and .SPL file extensions are associated with PCLTool.exe during the install.	
PCLTool.exe	Add Bates Numbering as a default file naming convention.	
PCLTool.exe	Added “Disable PCL XL” to PCL Emulation section of Convert Preferences.	
PCLTool.exe	Added “Save Unrecognized characters in PCL XL files” to CDRS section of the Misc. Preferences screen.	
PCLTool.exe	Added Extract Text menu to Convert dialog	
PCLTool.exe	Added Run TNXDumpG to format extracted text objects	
PCLTool.exe	Close View PCL/Image files and all toolbar buttons get grey-out, except HELP	
PCLTool.exe	Convert Dialog – Stop at page number []	
PCLTool.exe	Expand width and length of View Image – Open File Directory List box	
PCLTool.exe	Expand width and length of View PCL – Open File Directory List box	
PCLTool.exe	Expanded width of source filename list box.	
PCLTool.exe	Fixed loss of tool bar when launched via file ext. association	
PCLTool.exe	If opened via Drag n' Drop interface, it GPF's when you try to D n' D another file	
PCLTool.exe	If you cancel during a conversion, it will always end on the last complete page	
PCLTool.exe	If you open and view past 10 pgs., then go back it will GPF	[OPTIKA]

PCLTool.exe	Modify PCL: (From Filter.exe) Optimize - Eliminate redundant fonts and Optimize PCL file	
PCLTool.exe	Modify PCL: (From Filter.exe) Scramble - Scramble only text in PCL file for PageTech to analyze	
PCLTool.exe	Modify PCL: (From Filter.exe) Strip Nulls - Strip all null characters from PCL file	
PCLTool.exe	Moved "Disable HPGL/2" to PCL Emulation section of Convert Preferences.	
PCLTool.exe	Option to replace one####.tif file naming for multi-single pg files to f/n.### (one.pcl to one.001.tif, etc.)	
PCLTool.exe	PCL to PDF: Add a page range screen.	
PCLTool.exe	PDF Pref.: Move the PDF Conversion prefs from the Convert - Misc. Pref dialog to the top of the PDF Pref. Dialog.	
PCLTool.exe	Rename the Normalize button to Modify PCL on convert dialog and rewire it to call Modify PCL dialog:	
PCLTool.exe	View PCL, then print produces overlapping convert/print dialogs (confusing) & excessive MAP*.TMP files.	
PCLTool.exe	View PCL: Add .LIS, .XL, PRN as extensions in "List files by type" list box	
PCLView.exe	D/L font Error msg in log file on every occurrence when View PCL to raster	
PCLXForm.exe	Add full support for TIFF color palettes and color to mono-grayscale in OverlayFile feature	[OCEUK]
PCLXForm.exe	Added a Call_TnxDump function to call .dll instead of TNXDump.exe and updated TNXDemo.tpt	
PCLXForm.exe	Added a delay variable to the Call_External function to give enough time for .exe to release any files it created.	
PCLXForm.exe	Added UIVARs= command line argument to pass other .tpt parameters to expand command line options [MAIN1ST]	
PCLXForm.exe	If overlay file does not convert .\e\o\o\o\o\o\o.pcl, aapbm.tif, pdfland.tpt	[OCEUK]
PCLXForm.exe	If overlay file is missing or we can't process – a TPT.log is generated with appropriate errmsg.	[OCEUK]
PCLXForm.exe	Many new functions	
PCLXForm.exe	Overlay color TIFF into a raster or vector PDF	
PCLXDLL.dll	Add support for HIX files for normalization, page extraction for View PCL, FastPrint, etc.	
PCLXDLL.dll	Added - User-Defined Pattern Fills - Shaded area on pg. 9 is black	[ITG]
PCLXDLL.dll	Support for PCL XL macros	[OCEUK]
PCLXDLL.dll	Added code to support special case	[WMC]
PCLXDLL.dll	Added support for HP CLJ 4600 JPEG compression (A our test file)	
PCLXDLL.dll	Added support for HP CLJ3500 JetReady 4.0 compression (TEST FILE - EXCLUSIVE)	
PMon	Installs HP LJ4 printer driver – assumes HPLJ4.DRV is in windows\driver cache\386\drivers.cab file	[GCC]
PMon	Looks for RUNCODE.INI in it's directory – look for runcode.rte with path to the runcode.ini?	
PMon/Config.ini	Commented config.ini controls the installation of PMon:	
PMon/Config.ini	Renames LJ4 printer to the PCL Transform Driver and assigns it to the PMon port (pre-configured)	[GCC]
PRNiSPDF.dll	Inhibit Custom View/Print only programs from printing to any PDF or other to FILE: driver.	
PTC32.dll	[Misc]SmallLineFixup=3 - HPGL/2 drawing algorithm tweak single pixel dots on graph	[CHS]
PTC32.dll	Add code to handle .SFP's with continuation raster for large chars. of logo's from GMC	[Adheris/GMC]
PTC32.dll	Add feature to convert single page overlay macros into TIFF once and reference for each page in vector PDF file.	
PTC32.dll	Add feature to increase the stroke weight of fixed pitch fonts under 12pts. by single digit percentages	
PTC32.dll	Add support for converting HPGL/2 color to grayscale	[SirSpdy]
PTC32.dll	Add support for Escape with no commands in the parser	[VUCOM]
PTC32.dll	Add support for missing HPGL/2 lines	[GCC]
PTC32.dll	Added support for PCL XL copy counts	
PTC32.dll	Added support for remote clients to call a host-based .exe for Term. Server Applications	
PTC32.dll	Compile for page counting only and stub-out called to PDFWRITE.DLL, SF*.DLL, IMG*.DLL.	[VendPrint]
PTC32.dll	Custom pattern fill not normalized properly due to bug in .HIX file	[LBM]
PTC32.dll	Custom VB.NET code req'd when using statuscallback's to handle "garbage collection from "unmanaged code" [CUL]	
PTC32.dll	Dropped characters on page 21 .\oit\mercer\fromdocprint.pcl	[OITI]
PTC32.dll	Enhanced our ability to ignore out of range VMI values	[CSCG]
PTC32.dll	Enhanced our font metrics with custom HPGL/2 code	[BECK]
PTC32.dll	Expand width and length of Convert – Destination Directory List box	
PTC32.dll	Expanded support for defaults passed in PJJ statements (Copies=)	[PSI]
PTC32.dll	FIX missing HPGL/2 only with View PCL [.e\o\SCM02049.pcl]	
PTC32.dll	Fixed a problem with bad PCL syntax	[WMC]
PTC32.dll	Fixed a problem detecting the correct duplexing mode	[EDS]
PTC32.dll	Fixed a ROP problem generated by a new Windows driver	[OITI]
PTC32.dll	Fixed problem converting EMF in Window 98	[UTS]
PTC32.dll	Fixed problem with bottom of text box being clipped due to HPGL/2 from new ptr. driver	[OITI]
PTC32.dll	Fixed text positioning bug with HPGL/2 label offsets and text commands	[Trust]
PTC32.dll	Improved character spacing algorithm for FormScrape-generated files	[BECK]
PTC32.dll	Improved font matching with download font has invalid symbol set	[SCM]
PTC32.dll	Move [Optional] Section below last entry in the new [Base Remap] Section:	
PTC32.dll	Pathing Issues with PTC32.DLL	[TSG]
PTC32.dll	PREF_INTL_VECT_PDF_CROP: "remove margins" for Text files converted to vector PDF???	[TROMBA]
PTC32.dll	PREF_POST_ROTATE: How Automatic Rotation feature works???	[LBM]
PTC32.dll	Rename PTC32.INI file preference ExtraBoldLtrGothicto "ExtraBoldMonospace"	
PTC32.dll	Screen ErrMsgs displayed when QuietMode=1 only if a severe error	[Qbooks]
PTC32.dll	TempDir=bad path – was GPF'ing, fixed now	[Qbooks]
PTC32.dll	Vector PDF's no longer have their margins removed	[KOAC]
PTC32.ini	Convert File Formats 1-9 rearranged.	
PTC32.ini	[Misc] DetectOverlay=1	[WebMD]
PTC32.ini	[Misc] Remove margins=? (Remove Margins=no)	
PTC32.ini	[SavedValues] AllowColor=1 – default to allow color	
PTC32.ini	[SavedValues] DstNameInsert=	
PTC32.ini	[SavedValues] DstNameNKeep=	
PTC32.ini	[SavedValues] DstNameNSerial=	
PTC32.ini	[SavedValues] EmbedPdfFonts=2 (Embed fonts=yes + Do not embed WINCore=yes)	

PTC32.ini	[SavedValues] ExtraBoldMonospace=	
PTC32.ini	[SavedValues] PdfEmbedDLFonts=1	[WebMD]
PTC32.ini	[SavedValues] PdfTextOverlay=0 moved from APP.INI	
PTV32.dll	Fixed - View PCL (raster/best) SUPAY.PCL, scaledown 8 times -> GPF's	[SUPAG]
Runbat.exe	Program to call a .bat file from a Group Icon and execute properly	
Runcode.ini	Added encryption to .exe to .dll handshake when using OptCode=1	
Runcode.ini	Scramble the 10-digit date portion of the CRC for each pdt independently	
Script Greenbar.tpt:	Converts 8.5" x 14" Landscape ASCII into vector PDF with vector Greenbar overlays	[TROMBA]
SFP2FF132.dll	Fix for custom download bitmap fonts	[CO3]
SFP2TTBM.dll	Converts SFP to Outline .TTF's	[WebMD]
TNXDump.dll	Make TNXDump a .DLL that accepts it's current command line as input.	
TNXDump.dll/exe	Added a -delete .tnx file before returning control to calling application function	
TNXDumpg.exe	New GUI version of TNXDump.exe	
WinFMMove.exe	/g = Greater than 255 chars. - This needs to be the default.	
WinFMMove.exe	/I (includes /g+/s) - Install Mode - Single Byte .FF1's/WFM-GUI/Wincode .TTF's	
WinFMMove.exe	Added new Wincode .TTF's (ie. Tahoma, Comic, etc.) by default.	
WinFMMove.exe	Installed .TTF's from dbl-byte .FF1's are not mapped properly (HPCOBR8.TTF, etc.)	
WinFMMove.exe	new /w = single-byte .TTF's	
WinFMMove.exe	remove HPDIX, HPMAR or HPCOB families from the default selection.	
XLDLL.dll	Added support for PCL XL copy counts	
XLDLL.dll	This .dll used for page counting only.	

V8.04 Maintenance Release Modifications

HotDir	Tolerate incoming watched filenames with spaces	[PlainAns]
OISI.TPT	Script to selectively call PCLPrint or convert one input PCL file or both	[OISI]
PCLXForm	Added Find_Text_Get_Line functions	[FISERV4]
PCLXForm	File_Exists function	[PlainAns]
PDFFIX.exe	Fixes "Number Out of Range" error in Acrobat Reader V7.0	
PTC32.DLL	Add new [Debug] IgnoreToFirstEscape=100 function to ignore Kyocera Control String Strip Logic	[VENDPRNT]
PTC32.DLL	Convert PCL5c to TIFF, then View Image - get GPF	[Philips]
PTC32.DLL	Fixed vector PDF's that caused a "Number Out of Range" error due to an uninit'd value in Reader V7.0	
PTC32.DLL	SFP (EBCDIC mapped) to TTF fonts (not mapped correctly)	[LIVIT]
PTC32.DLL	Uses [Debug] IgnoreRasterDimCmds=1 preference to fix Raster Graphics Height = 0 problem	[Info]
PTC32.DLL	View PCL - GPF's with color PCL5c files	[Southd]
Rdest.exe	Now handles a path+filenaming pattern encased in quotes with macro expansions	[OISI]
SETUP	Removed automatic install of PMON and PCL Transform Driver	
SFPFF132.DLL	Fixed a problem with out of spec. data in download .SFP font header	[CNR/PAPYRUS]
TESTDLL.C	Added for TIFF2PCL test project	[DOCOSoft]
FAQ	TrendMicro is detecting virus false positives for JPEG2PDF.exe, TIFF2PDF.exe and PCLCodes.exe	
FAQ	Setup 1607 or 1608 errors. Ask for instructions on how to fix.	

V8.06 Maintenance Release Modifications

FastPrint.exe	Added logic to not generate an extra formfeed generated by the spooler	[OISI]
FastPrint.exe	Inhibit the addition formfeed added due to EscPassThru function	[OISI]
FILTER.exe	Added Kentek compression method #99 support	[FiServIT]
FILTR.dll	Added Kentek compression method #99 support	[FiServIT]
FILTR.h	Added VB declare example for VB, VB.Net applications	[FiServIT]
FILTR/PTC32.dll	Add Kentek compression method #99 support to FILTR.DLL, PTC32.DLL and PCLCodes	[FiServ5]
HotDir	Fix to make sure HotDir does not open a file still being written to and shared	[PlainAns]
LineDraw	Fixed Pitch Font Weight Adjustment only for HPCOB, HPLTH, DIXMS8*.FF1's	[IKON/VNA]
PCLCodes.exe	Add support for Kentek compression method #99	[FiServ5]
PCLCodes.exe	Added Kentek compression method #99 support	[FiServIT]
PCLTool.exe	GPF's if you try to preload c:\email\attach\vm\news0001.pcl	[VMS]
PCLTool.exe	If OverlayFilename=news0001.tif in APP.ini, .exe will not do the overlay. Xform with pdfport.tpt works.	[VMS]
PCLXForm	Added QRFLAGS_AVGSPACEWIDTH to the QrastFlags function in JobParams section	[KayeSmith]
PCLXForm	Added QRFLAGS_CLEANBREAK to the QrastFlags function in JobParams section	[KayeSmith]
PCLXForm.exe	Fixed problem extracting text while converting to raster formats	[PARKER]
PCLXForm.exe	New functions for adaptive logic to detect variations in check layouts	MBF]
PDFWrite.dll	Fixed an invalid negative value from being used in PDF file causing 3rd party sfwr to fail	[GETPLC]
PMon	Added DEFAULT.TPT assumed by the default PMon setup in CONFIG.INI for PCLXForm to run properly	
PMon	Made minor edits to comments in PMon's CONFIG.INI	
PreLoad	Made PreLoad File feature ignore PCL with imaging operands unless found in a overlay macro	
PTC/PDFWrite	Fixed problem with HPGL/2 code	[MDR]
PTC32.dll	Added Kentek compression method #99 support	[FiServIT]
PTC32.DLL	Fixed download portrait text being rotated with HPGL/2 commands with text reversed	[MVI]
PTC32.DLL	Fixed overdraw of vector line draw commands	[MVI]
PTC32.dll	JBIG2 - Work on Support for Color	
PTC32.dll	Make PCLXForm/PTC32 run as an NT Service	
PTC32.dll	PU, PD for solid lines creates some dash lines	[WTUS]
PTC32.dll	Underlines being clipped	[MRG]
PTC32.dll	We embed Lucida Sans instead of referring	[UMADEC]

PTC32.dll	Why is V8.0 (Fax only) with CompressPdfStreams=1 so much smaller than V7.9? (Flate/Fax)	[DATAPOINT]
PTC32.map	Add remap of Line Printer to Lucide Console?	
PTC32.map	Commented-out lines are not kept, but sorting to beginning of Section	
PTC32.map	Font #52 cannot always be remapped to Arial	[DATAPOINT]
PTC32.map	Line Printer font PC-8 Line draw vertical metrics are off	[KALS]
PTService.exe	New Program to launch PageCounter.exe as a service during install or via PageCounter GUI.	
SFP2TTBM.dll	Fixed problem writing-out the 510th PDF due to leaving files open	[OITI]
SFP2TTBM.dll	Outline Tracing needs tweaking	[PITT]
TNXDump.exe	Added code to create individual .TXT files for multi-document print streams	[NCPI]
WinFMove.exe	Only Lucida Sans. Now have only 405 chars. In their WINLUC.FF1. The others are back to before	
WinFMove.exe	WIN Core .TTF's converted to .FF1's only have the 405 chars. Used in all the TT*.sym files	

V8.08 Maintenance Release Modifications

HotDir.exe	Made it more tolerate of trying to delete a file that is no longer present	[PlainAns]
PMon	Added the DEFAULT.TPT assumed by the def PMon setup in CONFIG.INI for PCLXForm to run properly	
PMon	Made minor edits to comments in PMon's CONFIG.INI	
PTC32.dll	Fixed PCL XL parser to deal with extraneous pages with "PJL comments"	[OITI]
PTC32.dll	Fixed PCL XL to deal with logo grayscaleing issue	[OITI]
PTC32.dll	Fixed PCL XL to deal with text shading issue	[OITI]
PTC32.dll	Added [MISC]-DisplayStartupErrors=0 to override start-up errors. And, added more accurate errmsgs.	[MESA]
PTC32.dll	Added more diagnostic output to log files	[NWCP]
PTC32.dll	Fixed download portrait text being rotated with HPGL/2 commands with text reversed	[MVI]
PTC32.dll	Fixed overdrawing of vector line draw commands	[MVI]
PTC32/XLDLL	Fixed PCL XL parser to deal with multiple "endsessions" in one print stream	[OITI]
PTService.exe	Fixed bug to create the ptservice.ini in the \pagetech\ folder.	[FORT]

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ERRATA

We try to come out with at least two major releases per year in order to keep-up with each new PCL printer driver being released, changes in Windows, feature enhancements and bug fixes. In order to get this new version to beta test sites and other early adopters, we have decided to not wait for the following items that will be in the final release:

Documentation: All the PDF documentation has been updated. However, we will be improving on it soon. Some of the .HLP files point to the .PDF versions of the documentation for certain programs. We will be adding the missing .HLP files over time. In V8.1, we will have updated GUI's for PCLTool.exe, PCLWorks.exe and PCLView.exe.

Installer: The InstallShield Setup process will be continually enhanced in future releases.

CDRS: CDRS is available for use, but the tools are still limited and difficult to explain how to use. We are working on better tools for AMP file generation for V8.1. Until, then we will continue to provide this functionality as a service to the licensees.