

PCLTool SDK V9.06 / PCLWorks V9.06 10/20/10

RELEASE NOTES

This release note covers all the enhancements (in **bold**), modifications and bug fixes to PCLTool SDK (SDK-specific items are in *purple italics*) and PCLWorks since V8.7 (*Please refer to PTRELN87.PDF for the final V8.795 release notes*).

In order to satisfy our client's needs to develop solutions for Windows 7, 64-bit and .Net environments, we first had to first merge our 32-bit, 32-bit .NET and limited 64-bit source bases in one source base. We did this in order to streamline our development of the new 32-bit, 32-bit .NET, 64-bit and 64-bit .NET versions. And, it also makes it easier for us to add modifications, updates and enhancements for all versions in the future.

We migrated the last few programs (PCLTool.exe, PCLView.exe, etc.) that were written in Borland to Microsoft Visual Studio in order to avoid the D.E.P. errors in Vista and Windows 7. This will also make it easier to provide our OEM's with the source code to these programs (upon request).

We also merged many standalone .dlls like (Imgman30.dll, XLDDL.dll, SFP2FF132.dll, et al.) into our main convert program (PTC*.dll).

Here is a list of the major improvements contained in V9.0:

Built with VS2008 32-bit in .\PCLSDK_900 folder:

mfc90.dll	- MSVC 32-bit re-distributable file
msvcm90.dll	- MSVC 32-bit re-distributable file
msvcp90.dll	- MSVC 32-bit re-distributable file
msvcr90.dll	- MSVC 32-bit re-distributable file
Filter.exe	Filtr.dll & .lib
ImgCvt.exe	ImgCvt.dll
PCLReader.exe	No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland
<i>PCLTool.exe</i>	<i>No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland</i>
<i>PCLView.exe</i>	<i>No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland</i>
PCLWorks.exe	No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland
PCLXForm.exe	
PDFWrite.dll & .lib	
PTC32.dll	
PTV32.dll	
TnxDmp.dll	
XPSWrite.dll	

Built with VS2008 32-bit .NET in .\NET subfolder:

<i>FilterNet.exe</i>	<i>FiltrNet.dll</i>	<i>ImgCvtNet.dll</i>
<i>PCLToolNet.exe</i>		
<i>PCLXFormNet.exe</i>		
<i>PTCNET.dll</i>		
<i>PTVNet.dll</i>		
<i>TnxDmpNet.dll</i>		
<i>XPSWriteNet.dll</i>		

Programs Added 64-bit in .\PTC64 subfolder:

<i>Filter64.exe</i>	<i>Filtr64.dll & .lib</i>
<i>ImgCvt64.exe</i>	<i>ImgCvt64.dll</i>
<i>mfc90.dll</i>	- MSVC 64-bit re-distributable file
<i>msvcm90.dll</i>	- MSVC 64-bit re-distributable file
<i>msvcp90.dll</i>	- MSVC 64-bit re-distributable file
<i>msvcr90.dll</i>	- MSVC 64-bit re-distributable file
PCLTool64.exe	
PCLXform64.exe	
PDFWrite64.dll & .lib	
PTC64.dll	
PTV64.dll	
<i>README_64.txt</i>	
TnxDmp64.dll	
XPSWrite64.dll	

Programs Added 64-bit in .\PMon subfolder:

.\PMon\PMSetup64.exe
 .\PMon\PMRemove64.exe
 .\PMon\PMon64.dll
 .\PMon\PtRCodes64.dll

Programs Added 64-bit .NET in .Net64 folder:

FilterNet64.exe	FiltrNet64.dll
	ImgCvtNet64.dll
PCLToolNet64.exe	
PCLXformNet64.exe	
	PTCNet64.dll
	PTVNet64.dll
README_net64.txt	
	TnxDmpNet64.dll
	XPSWriteNet64.dll

Programs Merged into main PTC*.dll programs for 32-bit .NET, 32-bit .NET, 64-bit and 64-bit .NET:

ALLCG.FS1	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
FF1Codes.dat	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
IM30BMP.DIL	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
IM30PCX.DIL	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
IM30TIF.DIL	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
IMGMAN30.dll	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
SFPPFF132*.dll	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
SFSFF132*.dll	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
SFT2TTBM.dll	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
SFTFF132*.dll	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll
XDLL.dll	Moved code into main convert	PTC32/PTC64/PTCNET/PTC64NET*.dll

Programs Removed from all products:

BWCC32.dll New MSVC GUI .exe does not need this Borland GUI .dll.

Features and Preference Removals:

APP.ini	Removed UseNet preference. Programs should determine which variation of DLL's to call.
PTCNet.ini	Removed this .ini. If PTCNET.DLL can't find PTC32.ini it will still use PTCNet.ini.
PTCNet.map	All versions of PTC*.dll will create PTC32.map files.

Feature Changes in all versions of PCLTool.exe, PCLView.exe, PCLWorks.exe and PCLReader.exe:

Changed:	Search - Find Text dialog
Replaced:	Use TNX indexes with JIT Indexing
Removed:	Use, .TNX & .HIX
Removed:	Index by Location feature.
Added:	Rebuild Indexes
Added:	Warning when trying to search a file (PXL) that can't be JIT indexed.
Search Stops:	When it finds the first file that needs JIT indexing to be turned-on.

PCL2TransPromo

Due to demand from several industry leading service bureaus, PageTech has become the leader in the disassembly of high volume PCL print streams of bank statements with cancelled check images. Service bureaus and mailing houses take the text and raster objects files that we provide and input them into any third party output management system in order to re-engineer them into TransPromo documents with color, logos, OMR marks, Intelligent barcodes, etc.

ENHANCEMENTS:

Auto-Indexing	Added auto-indexing to spool files passing through the Port Monitor.	
Img2PCL.exe	Added support for shrink-2-fit, rotations and x,y positioning	
Img2PDF/XPS.exe	Added support for shrink-2-fit, rotations and x,y positioning	
ImgCvt.dll	Added support for shrink-2-fit, rotations and x,y positioning	
OMR/Barcodes	Added functions to insert OMR marks or any kind of barcodes into PCL.	
PCL3GUI	Added support for output from medical, mobile and laboratory devices.	
PCLXForm .tpt	New Function: Array_Op	
PCLXForm.exe	PJL Streamediting to change folding and stapling options	Primoris
PJL Comments	Added ability to extract index text from PJL comments inserted by PMon1.	
PTC32.dll	Added PJL Streamediting to change folding and stapling options	Primoris
PTC32.dll	Added support for rendering RAW EMF image files	Syntel
PTV32.dll	Added support for rendering RAW EMF image files	Syntel
PTC32.map	Added support for mapping TrueType fonts to EMF output	Syntel
PXL Text Extract	Improved our exclusive ability to extract text from PCL6	
Raw EMF View	Import Raw EMF files for viewing.	Syntel
TTWL.sym	Added support for Windows 98 Latin-6 (Baltic) symbol set	Tomala

NEW PROGRAMS ADDED TO SDK

HotDirZ.exe Added a new .exe to watch multiple folders, initiate a process for each folder or for folder groups. PlainAns
SSpool.exe/.ini Serial input spooler and redirector programs used when capturing PCL from Parallel to Serial(USB)

MISCELLANEOUS UTILITY PROGRAMS ADDED IN .JUTILS FOLDER FOR EVALUATION

DownFile.exe Downloads PCL, Macro and Font files to printers, ports or to file.
EnumPorts.exe Enumerates the available Ports.
FontTool.exe Downloads fonts and tests resident printer fonts and symbol sets
PCLNUP.exe Scales and merges multiple PCL pages into PCL pages with multiple pages on them.
SetTrays.exe Searches/replaces paper tray selection from legacy PCL to print on newer printer with different tray assignments
TIFF2PS.exe Converts TIFF images into a PostScript print stream.
TIFFComp.exe Convert beforePCL and afterPCL with -7 -s Test suite

NEW PROGRAMS NOT INCLUDED IN THE SDK BUT AVAILABLE ON AN "AS NEEDED" BASIS

IMSSort.exe Created a custom document sort program for PCL print streams IMS
PDF2PCL.exe Batch PDF file printing program used to print to PCL/capture/streamedit/convert back to PDF BigEye
 (requires Acrobat Reader or Acrobat to be installed)
PTEvents.dll Windows Events Log tracking program
PTEventsInst.exe Starts PTEvents.dll
RAW2PCL.exe Converts RAW EMF spool files into PCL ABSData

MODIFICATIONS:

.TPT Script Modifications for: Primoris
APP.INI Added FastPrintDirect to [PCLPTR] section. Causes use of a different EscapePassThrough method.
APP.INI LogNet preference added to log the choices for DLL's to the NetMapped .log for debugging
APP.INI WarnAssumedPCL preference added to assume any input file contains PCL regardless of extension.
FastPrint.exe FastPrintDirect=1 causes FastPrint to use an alternate EscapePassThrough method for abnormal PCL. NC-Sys
FF1Viewer Fixed GPF problem introduced in V8.71
Filter.exe/dll Fixed to handle files over 4Gb in size OSGBilling
FILTER/FILTR.dll RGB color values need for file pattern passed via new "-103" command line argument Personix
GUI .exes Page controls only available when a file is being viewed
HotDirZ.exe Modifications for: Schiellinger
IMG2PCL.exe Prints data on a second page GWDS
ImgCvt.exe won't honor 270 rotation if just in 2pcl.ini file. It does with Img2PCL.exe GWDS
PCL GUI's Open any file extension on cmdline w/warning WarnAssumedPCL preference
PCLCodes.exe Now opens with the file you Open With, instead of what was in PCLCODES.INI
PCLPrint/FastPrint Modifications for: EGTS
PCLSPLIT.exe Modifications for: ITECH
PCLTool.exe Added Paper Size at bottom of page view
PCLTool.exe Removed redundant "Windows 3.0, latin 1" entries in Convert Pref: Front Panel Settings->Symbol Set list
PCLXForm Modifications for: ABSData, AMFed, MDG, Personix, Primoris, AMSI several
PCLXForm TPT Script - Minor modification required due to 7.1 to 8.76 upgrade causing an errmsg TMIC
PCLXForm.exe Streamediting to add OMR marks, sort documents and track page/document counts MailCo
PDFWrite.dll 2/14: Fixed Blank Page problem Personix
PDFWrite.dll PDF/A – CV-B Color vector – 1B – Missing Chars. in embedded font ReclInfo
PTC Added support for CMYK color raster object, V9 Ems-md
PTC32.dll Modified so *.AMP is default for browsing for AMPs in Misc Prefs
PTC32.dll PDF Switch Personix
PTC32.dll Added code to handle custom media size in millimeters correctly Xerox
PTC32.dll Added code to ignore Xerox %XRX job language GBS
PTC32.dll Added OCR Text Grid code BMSDirect
PTC32.dll Added PREF_INTL_DSET_DIR_IS_SRC_DIR
PTC32.dll Added support for landscaping issue MMNZ
PTC32.dll Bug mixing color and mono when overlay was applied. lg.se
PTC32.dll Changed way AMP files are generated/searched for PCL6 chars. Need to re-generate previous AMP's
PTC32.dll Enhanced PCL3GUI support Vida
PTC32.dll Fixed a problem with the way we were creating calibration negative values
PTC32.dll Fixed font selection and sizing issue BoatUS
PTC32.dll Fixed problem with S:\INSTALLATIONMailStream Manager\Castle Bank-Dekalb, IL\Test.PDF Syntel
PTC32.dll Fixed text metrics in footer SharonCU
PTC32.dll Modifications for: ABSData, ITECH, LaserTec, MDG, Personix, Primoris, AMSI, AmFed several
PTC32.dll Modifications for: Primoris
PTC32.dll Modifications for: SLData
PTC32.dll PCL6 d/l bitmap fonts not using Swedish characters Microdata
PTC32.dll PjL insertion: PCL5e/PCL XL printer will not switch to PCL5e. Insert PjL emulation=PCL XL ABSData
PTC32.dll PXL – 2/14: Support for new type of d/l .SFT with composite characters (Add TESTSFT3.PCL) Microdata
PTC32.dll PXL – 2/14: Support for new type of d/l .SFT with composite characters (Add TESTSFT3.PCL) Microdata
PTC32.dll View PCL in raster shows a problem with PCL6. Convert to TIFF or PDF is okay JIIndexing Haerry
PTC32.ini [Misc] section – PdfRemoveTrailingSpaces=1 to fix PCL that overlays spaces on top of text BabsonCap
PTC32.ini DisplayStartupErrors - Do not display errmsg if one occurs during startup.
PTC32.ini FavorDownloadedLinedraw - Do not favor the downloaded linedraw
PTCNet.dll Added backward compatibility with PTCNet.ini if it can't find PTC32.ini.
PTCNet.dll Fixed improper global setting QLoan

PTCNET.dll/.lib Added Strong naming to .NET .DLL's
 TaxPrint.exe Modifications for:
 TNXDumpg.exe Now defaults to "ASCII text equivalent" report format
 TTEG.sym Fixed mis-mapped Pi character

Syntel
 HCSS

V9.01 – 4/08/10 Maintenance release

PTC32.dll	Fixed a HPGL/2 and font handling issue	Kozel
PTC32.dll	Fixed a PCL page registration issue	Marsh
PTC32.dll	Fixed "bad /BBox" issue with embedded TTF's in PDF from download bitmap fonts	OpenText
PTC32.dll	Fixed a reverse graphics issue with embedded graphics when converting to vector PDF	

These are new versions for the .NET, 64-bit and .NET 64-bit environments:

FastPrint64.exe	FastPrintNet.exe	FastPrintNet64.exe
		ImgCvtNet64.exe
PageCounter64.exe		
PageCtr64.exe	PageCtrNet.exe	PageCtrNet64.exe
PclPrint64.exe	PclPrintNet.exe	PclPrintNet64.exe
PclSplit64.exe		
TnxDump64.exe		
TnxDumpG64.exe		

The source for these programs was migrated to VS2008 and recompiled:

FastPrint.exe	
PageCounter.exe	PageCtr.exe
PclCodes.exe	
PclPrint.exe	
PclSplit.exe	
TnxDump.exe	TnxDumpG.exe

These programs were updated and re-compiled:

Filter.exe	Filter64.exe	FilterNet.exe	FilterNet64.exe
Filtr.dll	Filtr64.dll	FiltrNet.dll	FiltrNet64.dll
ImgCvt.dll	ImgCvt64.dll	ImgCvtNet.dll	ImgCvtNet64.dll
ImgCvt.exe	ImgCvt64.exe	ImgCvtNet.exe	
PCLTool.exe	PCLTool64.exe	PCLToolNet.exe	PCLToolNet64.exe
PCLView.exe			
PCLXForm.exe	PclXform64.exe	PclXformNet.exe	PclXformNet64.exe
PdfWrite.dll	PdfWrite64.dll		
Ptc32.dll	Ptc64.dll		
PTCNet.dll	PTCNet64.dll		
TnxDmp.dll	TnxDmp64.dll	TnxDmpNet.dll	TnxDmpNet64.dll

V9.02 – 4/13/10 Maintenance release

.Exe's & .Dll's Recompiled most .dll's and .exe's

V9.03 – 5/04/10 Maintenance release

.Exe's & .Dll's	Recompiled most .dll's and .exe's
GUI .exe's	All image files in View Image dialog now includes .RAW files.
GUI's	Data Overlay feature add ability to overlay text file to select font, pt size and "text"
GUI's	Data Overlay of browse - Files of type not retained.
GUI's	Print/FastPrint dialog - add back the Page Range
GUI's	Print/FastPrint dialog - add back the Print to File
GUI's	Progress screen truncates the f/n - either enlarge scrn or compress f/n to see drive<...filename.
Help	Fixed path to "Start Here- Intro to PageTech Tools" help file
PCLTool.exe	Find Text - Help link fixed
PCLTool.exe	Added .RAW files to the "All image files" Types of Files preference.
PCLTool.exe	Add Conv. Pref.=>General=>Force Rotation of output file preference (LandRotate)
PCLTool.exe	Data Overlay feature GPF's on "\data\ntissue.txt" text overlay file
PCLXForm.exe	Add a function in the .TPT to ignore the PTC32.INI preferences.
PTC32.dll/etc.	BUG: PCL3GUI incompatibility with DesignJet Z3100
PTCNet64.dll	No longer requires Administrator credentials. I can now "find itself" (via the registry) in the install directory.
TechSupport	Dump of TempDir= folder is created for every product listed in .\pagetech folder - list once only

V9.033 – 5/11/10 Maintenance release

GUI's	Added a button and link to help file in PDF Preferences dialog
GUI's	Fixed bad link to help file in Convert Preferences dialog
<i>IMGCVTNet.exe</i>	<i>Changed the name to ImgCvtNetConsole.exe and related C# project file</i>
PTC32.dll's	Updated to turn all PTC32.ini relative paths to absolute paths, using the PTC directory as a reference.
Setup.exe	Had to rebuild Setup files due to InstallShield HotFix for Windows 2000 Server installations (Errors # 5009 or 1628)
TechSupport	Fixed bad link to help file in .exe

V9.05 – 8/15/10 Maintenance release

GUI .exe's	GUI was not employing the JIT indexing feature when "Always Low Level Index" was off	BankWUntd
Img2PCL.exe/.dll	Added "Don't use PCL scaling" option to render 96 dpi images to 300 dpi PCL raster objects	AgTrax
ImgCvt.dll/.exe	Expanded paper size choices	Valli
ImgCvtNet.dll	<i>Changed sample project - file name of the assembly it creates is now ImgCvtNetConsole.exe</i>	AgTrax
PCLCodes.exe	Added support for many new and proprietary escape codes and added many new features: Added a Search for Escape Code feature with wildcards and link to PCLHelp Blog Added color codes to HTML to highlight invalid escapes, unsupported and other warnings Added HPGL/2 command detail and summary Added notification of all fonts that have been downloaded with "scrambled" text Added option to Extract Macros into separate files Added option to Limit File Offset – set an offset from the beginning of the PCL file to stop at during processing Added option to Limit Pages – set a page number to stop at during processing Added option to output HTML for easier readability and web presentment via PCLCodes.Net web service Added PJJ command summary Added the page number to the page offset markers in the output detail Added URL links to PCLHelp for escape codes (work in progress) Displays all text in blue in HTML output Expanded PCL 6 / PCL XL command detail	
PCLTool.exe	Added support to convert to JPEG format	JadTech
PCLTool.exe	Expanded number of digits in the "Search" dialog to look for pages in files with up to 99,999 pgs.	BankWUntd
PCLTool.exe	Fixed a problem with View PCL when trying to auto-rotate landscape pages	BankWUntd
PCLToolNet64	<i>Improved code so that it can better "find itself" in the install directory</i>	QLoan
PCLXForm.exe	Added support to convert to JPEG format – <i>Conversion=jpeg</i>	JadTech
PTC32.dll	Added support to better manage HPGL/2 palettes	BP
PTC32.dll	Added support to convert to JPEG format	JadTech
PTC32.dll	Fixed PCLXL downloading characters in the Chinese National Standard GB 18030-2005 character set	RicohCN
PTC32.dll	Fixed several PCL6c problems generating Lic900.pdf	
PTC32.dll	Fixed when an error returned by PCLXForm might not close out it's job with PageCounter	PaySvcSol
PTC32.dll/etc.	Added 128-bit AES (Advanced Encryption Standard) for securing HIPAA compliant medical data	
PTC32/PDFWrite	Enforced standard palettes for color raster PDF's	BP
PTC32/PDFWrite	Improved handling of non-standard monochrome bitmaps in vector PDF's	BP
PTC32Net64.dll	<i>Improved code so that it can better "find itself" in the install directory</i>	QLoan
Utilities	Re-wrote the following programs in VS2008 for both 32-bit and added new 64-bit versions:	
	Acctutil.dll Acctutil64.dll Acctutil64.lib	
	CallLog.exe CallLog64.exe	
	DeleteFile.exe DeleteFile64.exe	
	FFViewer.exe FFViewer64.exe	
	<i>GenAmp.exe</i> <i>GenAmp64.exe</i>	
	<i>PCLTWrap.dll</i> <i>PCLTWrap64.dll</i> <i>PCLTWrap.lib / PCLTWrap64.lib</i>	
	<i>PrnlsPdf.dll</i> <i>PrnlsPdf64.dll</i> <i>PrnlsPdf64.lib</i>	
	PTService.exe PTService64.exe	
	RCMgr.exe RCMgr64.exe	
	RunBat.exe RunBat64.exe	
	TechSupport.exe TechSupport64.exe	
	WFMove.dll WFMove64.dll	
	WinFMove.exe WinFMove64.exe	

V9.06 – 10/21/10 Maintenance release

FastPrint.exe	Bug fixed in FastPrint, FastPrintNet, FastPrint64 and FastPrintNet64.exe when using new viewer .dll	Trifin
Filter	Added -107 custom routine	MidFirst
Filter	Changed routing -8 to -108 routine	
Filter	Updated command line help	
Filter	Added -9 change tray setting assignments (replaces SetTrays.exe)	
PCLHelp.com	Added a PCL Support Blog	
PCLPrint.exe	Bug fixed in PCLPrint, PCLPrintNet, PCLPrint64 and PCLPrintNet64.exe when using new viewer .dll	Trifin
PTC32	Added "View" button	
PTC32	<i>Enhanced Net builds</i>	///
PTC32	<i>Fixed Blit bug</i>	
PTC32	<i>Fixed bug PDF set fill function when converting vector PDF in .Net builds</i>	
PTC32	Fixed bug processing over 2 GB input PCL Files	///
PTC32	Fixed duplex side tracking bug	
PTC32	Fixed file I/O bug	TriFin
PTC32	Fixed handling of ExtraBold for Courier text	ElitePS
PTC32	<i>Fixed Net/Net64 bug</i>	TriFin
PTC32	<i>Fixed temp folders left behind in Net builds</i>	TriFin
PTC32	<i>Refined page trim options (PREF_TRIM_OSET_X) to specify offsets without defining width/height</i>	LeoHP
PTC32	Fixed bug when converting hidetext.pcl to jpeg - bottom part of pg. 2 of 2 is black	
PTCNet/Net64	<i>Fixed bug that affected way transparency overlays were layered which worked in non.Net versions</i>	HarlandFS
SetTrays	Removed from Utilities and replaced by Filter -9 function and PCLEdit.exe	
WinFMove	Fixed bug	
Other	Includes non-released, client-specific enhancements for: III, JadTech, POA, LeoHP, et al.	