

PCLTool SDK V12.0 / PCLWorks V12.0 3/12/12

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 V11.6x (*Please refer to PTRELN1168.PDF for the final V11.68b release notes*).

If you need to install our product on a PC running Vista, Windows 7 or Windows Server 2008 or newer platforms or if you are going to install on a 64-bit PC – you **MUST** install V11.6x or above.

Note: Any references to a 32-bit program name, path, etc. shall follow the following naming convention for the other three versions (.Net, 64-bit & 64-bit .Net), for examples:

<u>32-bit</u>	<u>32-bit .NET</u>	<u>64-bit</u>	<u>64-bit .NET</u>
ptc32.dll	ptc32net.dll	ptc64.dll	ptcnet64.dll
pclxform.exe	pclxformnet.exe	pclxform64.exe	pclxformnet64.exe

Changes to folder structure and installation

Starting with the PCLTool SDK/PCLWorks/PCLReader V11.x release, we had to restructure our product in order to conform to and support the new Vista/Windows 7/Windows 2008 and 64-bit platform conventions. We will no longer try to keep all our programs and other files in our own folder structure. Major changes will include:

1. All products will be licensed and sold separately for either the 32-bit/32-bit .NET or 64-bit/64-bit .NET platforms.
2. New folder locations:

- a. Only 32-bit/32-bit .NET program files (.exe's and .dll's) will be placed in:

```
.\Program Files\PageTech\<product_name>_VVv  
or  
.\Program Files (x86)\Pagetech\<product_name>_VVv (on 64-bit platforms)
```

- b. Only 64-bit/64-bit .NET program files (.exe's and .dll's) will be placed in:

```
.\Program Files\PageTech\<product_name64>_VVv
```

3. All other files will be in the Application Data folder in

```
.\Documents and Settings\All Users\Application  
Data\PageTech\<product_name>_VVv  
or  
.\ProgramData\PageTech\<product_name>64_VVv (on WIN7 or 64-bit platforms)
```

4. PCLXForm .TPT scripts will now be kept in the "Common Data" folder. Along with .AMP files and other files that will be referenced upon execution of a script.
5. Added a path to the program files in the Environment Variables Path= statement.
6. In order to facilitate the longer folder names in path statements (i.e. \documents and settings\All Users\Application Data\PageTech\...), we have included a macro feature in PCLXForm.exe, .TPT script programs, .ini files, et al.

(\$PTPGM) is path to the exe/dll, such as:

```
C:\Program Files (x86)\PageTech\PCLTSDK_120
```

(\$PTDAT) is path to user data, such as:

```
C:\Documents and Settings\All Users\Application Data\PageTech\PCLTSDK_120
```

These can be used as part of the command line for PCLXFORM for any arguments that have paths:

```
PCLXFORM ($PTDAT)\TIFF.TPT "inp=($PTDAT)\Data"
```

Within a TPT script, the above macros are recognized in any setting that accepts a path, as well as any quoted string constant.

(\$TPTDIR) is also recognized in a TPT script, and is path to the directory that holds the TPT script being processed.

```
CdrsDir = ($TPTDIR)\amp
```

7. Both the 32-bit and 64-bit versions of the Port Monitor and HotDir/HotDirZ print capture utilities are now automatically installed with the PCLTool SDK. We will create customized standalone installers upon request.



PCLMagic Printer Drivers

We added our new PCLMagic printer drivers in V11.6x. This new HP LaserJet 4si monochrome or HP Color LaserJet 4550 drivers will generate PCL with searchable text. It solves several PCL transformation problems:

- Use the PCLMagic drivers to create PDF files with searchable text without having to OCR the text every time the end user changes a font, point size, stroke weight or font style.
- Use the PCLMagic drivers to easily extract text from the PCL for “stream editing” applications where you need to merge/insert pages, add barcodes, extract address block data, etc.
- Use the PCLMagic drivers instead of the Generic Text/TTY driver to print the text from a Windows document for migration into other applications.



PCLExtract.exe Program (Only for Unlimited Page Volume Licensees - \$500 includes 2 hrs. training)

We added PCLExtract<64>.exe program exclusively licensees of PCLTool SDK – Option I, III, IV or V with the Extended Use Option – Level III for unlimited page volume. This product requires a serious re-occurring need to manage Character Descriptor Recognition (.CDR) database files for unscrambling text. And, the ability to create Index_by_Location (.IBL) files for form scraping applications. PCLExtract.exe replaces the IBLTool.exe program used for the same purpose. However, this new and expanded interface includes all the recent enhancements to our text extraction capabilities. PCLExtract.exe will cost \$500 and will include up to 2 hrs. of technical support.



PCLMagic Printer Driver / Port Monitor Indexer / PMIndexer<64>.exe

Our often overlooked autoindexing and optional custom indexing user interface is even more powerful in V12.0. The PCLMagic printer driver now inserts the document name as well as other metadata from the user's application and system. And, this information is now presented to the user at print time via the PMIndexer program interface. This feature is the front-end of document archiving system, if a custom PCLXForm script is written to use all the metadata to name output PDF's, generate internal/external indexes, route the output, determine if it should also be printed after it's archived, etc.



PCLTool SDK – Option VI – Service Bureau (Mission Critical) License

This new option is a bundle of the three types of units that are needed for mission critical applications in service bureau (mailing, printing, imaging, etc.) environments. It includes one **Production Unit** for unlimited page volume and scripts. It includes a **Disaster Recovery Unit** to be used in case of anything that would cause the Production unit to become inoperable. It includes a **Development and Testing Unit**. These three units must reside on three separate PC's. It also includes the PCLExtract program with 2 hrs. of training. The \$5,000 cost of this 3-unit bundle is \$1,495 less than the cost if all three units were purchased separately. We want you to be self-sufficient!

Here is a list of the major improvements contained in V12.0:

V12.0 – Enhancements and Bug Fixes

<i>.AMP files</i>	<i>.AMP files are supported. However, all CDRS database files will be in the .CDR format</i>	
APP.ini & .TPT	Corrected typo in docs. and .ini's for PdfVersion	
APP.ini & .TPT	Corrected typo in docs. and .ini's for PdfALevel	
CDRS	Added support for new type of symbol set mapping	Impact
CDRS	Added a alternate method of OCR for pages with text in scaled raster with rounding differences	FIS
Default.tpt	Added more PJJ Comments to the .IDX file that is output into the .\out folder	
Defaultv12.rsp	Added this is the control file that GenCDR<64>.exe uses to generate defaultv12.cdr	
Defaultv12.cdr	Added the .CDR file generated by GenCDR<64>.exe to unscramble text from the Windows core set of typefaces	
FCopy.exe	Updated FCopy for splitting greater than 4GB files	
GenCDR<64>.exe	Replaces GenAMP.exe, provides more functionality with a improved GUI. Added a command line interface, which is now executed during the installation to generate the defaultv12.cdr file using the PCLMagic driver (HP LJ 4si).	
GUI .exe's	Remove the path for the CDRS .xmp file in Misc. Preferences dialog. This file is now obsolete	
GUI Programs	Fixed bug that sometimes occurred when opening multiple documents	
GUI Programs	Fixed the View PCL in vector mode	
<i>HotDir</i>	<i>Added folder browsing to input "hot directory" and "copy to" folder path, including hidden folders</i>	
<i>HotDirZ</i>	<i>Fixed bug so that it would find its HotDirZ.ini in a new folder.</i>	
Img2PCL	Added "For Auto Overlay" checkbox for full page macros, so they can be positioned properly as auto-overlays	
ImgCVT.exe	Added code to pass the "Fit to Page" attribute from the 2PCL/2PDF/2XPS.ini	FIS
PageCounter	Enhanced support for execution of programs by users across network	
PageCounter	Fixed bug	Jasper
PCLCapture<64>	Released standalone setup for end users to install PCLMagic driver and Port Monitor	
PCLCodes.exe	Fixed bug handling escape character as transparent data	
PCLExtract<64>	Added new program for advanced users to assist in debugging PCL and in building character recognition databases (.CDR – previously used .AMP) for unscrambling text for extraction, file splitting, indexing and searchability. PCLExtract.exe replaces the IBLTool.exe program. This new and expanded interface includes all the recent enhancements to our text extraction capabilities. And, also manages .IBL files for text extraction/form scraping.	
PCLXForm.exe	Added code to support files larger than 4GB	
PCLXForm.exe	Added Copy_File_To_Str to obtain more detailed info of the PCL in stream editing apps	MackCali
PCLXForm.exe	Enhanced Array_Op function to handle 64-bit values	FIX
PCLXForm.exe	Added Get_Key_Num	Jasper
PCLXForm.exe	Added Get_Key_Text	Jasper
PCLXForm.exe	Added Get_Pclxform_Preference	Jasper
PCLXForm.exe	Added Call_Subroutine to execute subroutines in .tpt scripts	FujiFilm
PCLXForm.exe	Added TiffSig_To_PclFile	Jasper
PCLXForm.exe	Added Query_Object_Exists	FIS
PCLXForm.exe	Added PdfLibPath to point to PDFLib 3rd party PdtLib PDF libraries for transforming PDF input	UnitedMail
PCLXForm.exe	Added PdfTetPath to point to PDFLib 3rd party PdfTet PDF libraries for transforming PDF input	UnitedMail
PCLXForm.exe	Added ResetToDefaults preference in .TPT scripts	
PCLXForm.exe	Created redaction script to hide checking account numbers, etc. in PCL Files before printing or converting to PDF	
PDF Prefs	Corrected typo for the PdfALevel and PDFVersion preferences	Dvelop
<i>PDFWrite.dll</i>	<i>Made bookmarks work when encryption is also required</i>	FarmNatl
PMIndexer.exe	Now displays to the user all of the index metadata that was captured by the Port Monitor	
PTC32.dll	Enhanced support for a new type of download TrueType fonts unbound to a symbol set	Impact
PTC32.dll	Added support for PCL3GUI from Windows Vista DesignJet Z3100 printer driver	Alderidge
PTC32.dll	Added ability to create PDF output over a background image. A color background can now "show thru"	
PTC32.dll	Added code to support custom HPGL/2 color pen commands	
PTC32s/64s.dll	Added code to support files larger than 4GB (invoke with new APP.INI-[NET]PTC32= & PTC64=) pref.	
PTC32.dll	Added new pclGetPreference – PREF_INTL_VERSION	Jasper
PTC32.dll	Added PTC32.ini [Misc] – PdfRasterSuppressGlobalSymbols pref to fix Apple Preview/JBIG2 issue	QLoan
PTC32.dll	Added support for out of range indexes in HPGL SP and PC commands	Topcon
PTC32.dll	Added support for undocumented parser behavior that accepts and ignores # char in escapes	Shamrock
PTC32.dll	Added the ability to convert HP PCL XL bitmap fonts into TrueType fonts and insert into vector PDFs	
PTC32.dll	Added the ability to convert HP PCL XL scalable fonts into TrueType fonts and insert into vector PDFs	
PTC32.dll	Enhanced key logic to locate data files & runcodes when accessing from remote machines	
PTC32.dll	Fixed a reverse transparency overlay issue when converting to EMF/RAW format	Syntel
PTC32.dll	Fixed bug not supporting PCL units set to 7200 dpi	ABTG
PTC32.ini	Added PTC32.ini [Settings] UseProgDirForData – allows data files to reside in same folder as programs	
PTC32.ini	Added RotateLandscape function to not force a landscape rotation when rendering	
PTC32.ini	Added ReportScrambledText function to report when scrambled text is encountered	
PTC32.ini	Added PdfRasterTextAsSymbol function to control hidden foreign language text in PDF for searchability	Impact
Rasterx.pcl, et al	Text files used to demonstrate how to use PCLExtract<64>.exe	
SigPad.exe	New program to capture signatures from Topaz Systems Signature Gem LCD 4x5 signature pad	
TechSupport.exe	Fixed a bug that was storing paths incorrectly	
TechSupport.exe	Now captures data from the Port Monitor configuration to help us support print capture issues	
TNXDump.exe	Added support for new type of symbol set mapping using PCLMagic printer driver output	Impact

V12.0 – Deleted and Replaced Programs

<i>CallDLog.exe</i>	Replaced by code in PMConfig<64>.exe
<i>FEGEN.exe</i>	Removed and replaced by GenCDR.exe
<i>FEGENXL.exe</i>	Removed and replaced by GenCDR.exe
<i>Filter.exe/.dll</i>	Removed all variations and replace with PCLFilter<64/Net>.exe versions
<i>GenAMP.exe</i>	Removed and replaced by GenCDR.exe

WHAT IS GOING TO BE IN OUR NEXT RELEASE?

Print-to-Archive
Print-to-Cloud
Print-to-Email
Print-to-Postal Mail
Digital Mail Service - Print-to-Zumbox, Volly, Manilla, etc.
Print Suppression

Got any suggestions?