Custom PDF SDK v11

32-bit and 64-bit
API Reference

Custom PDF SDK for Developers

1. Getting Started

Thank you for purchasing the 32-bit and 64-bit Custom PDF SDK Developers Kit. With this SDK, you'll have the power to extract object information of each page of a PDF file. To create for example your own conversion engine or to insert the objects directly into your (CAD) application.

To get started, you should have:

PDF Conversion Framework SDK (either downloaded via FTP or on CD ROM)
License Agreement
Custom PDF SDK API Reference Manual
License Key

It's a good idea to review the Custom PDF SDK API Reference manual thoroughly before starting. You should be familiar with all appropriate functions and parameters before beginning to use this Developers Kit.

Support is at hand

If you have questions or need help using Custom PDF SDK Developers Kit, please contact us during Central European business hours (8:30am – 6:00pm). Our contact information is:

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2. The Custom PDF API functions

In this section, you will find a description of all the functions of the API (Application Programming Interface) of the Custom PDF SDK. The file **vgpsflow.h and custom.h** are included in the SDK (include directorty).

Custom PDF SDK also contains demo source programs which demonstrates the API functions. See the vcexdlg.cpp file in the **Visual Studio 2010 C++ Custom Example** directory.

STDAPI VgPsConvert2Custom(char *in, CU_OBJECT_CB cbfunc, void *userData);

VgPsConvert2Custom

VgPsConvert2Custom (char *in, CU_OBJECT_CB cbfunc, void *userData)

Description	`VgPsConvert2Custom` parses the PDP, PostScript or EPS file and calls the object function for each object on the page
Parameters	`in` PDF, PostScript, or EPS file
	`cbfunc` Function to call wen the (next) object is found on the page
	`userData` Userdata is one of the parameters of the object function
Return Value	Zero if PDF, PostScript or EPS is parsed correctly.
Remarks	See below more information about the CU_OBJECT_CB function

Other functions

If PDF file is password protected, extra parameter containing the password:

STDAPI VgPsEncryptConvert2Custom(char *in, CU_OBJECT_CB cbfunc, void *userData, char *encrpwd);

Parse only one page of a PDF-file (Ansi and Unicode filename functions):

STDAPI VgPdfConvertPage2Custom(char *in, CU_OBJECT_CB cbfunc, int pageno, VgPsLayerInfo *layerInfo, void *userData);

STDAPI VgPdfUniConvertPage2Custom(const wchar_t *in, CU_OBJECT_CB cbfunc, int pageno, VgPsLayerInfo *layerInfo, void *userData);

CU_OBJECT_CB

CU_OBJECT_CB (int type, CuTwoPoint *bbox, CU_OBJECT_ATTR *objattr, CU_OBJECT_DATA *objdata, CU_OBJPTR objptr, void *userdata);

Description	CU_OBJECT_CB	is called when an object is parsed.
Parameters	type	object type found, for example Polyline
	bbox	bounding box of the object
	objattr	pen, fill, or text attributes of the object
	objdata	geometric data of the object
	objptr	ptr of the object in the object display-list
	userdata	parameter of the VgPsConvert2Custom
Return Value	Return 1 if the image file (of the CuImage object) should be kept, otherwise return 0.	
Remarks	All data-structures are defined in include/custom.h	

3. VS201x Custom PDF - C++ Example

In sub-directory *VS201x Custom PDF - C++ Example* you will find demo source code which demonstrates how to use the Custom PDF SDK API in Visual Studio 2010 C++.

The demo programs are created using Visual Studio 2010. But works fine also with Visual Studio 2017.

You can use these projects as a start for your own application or just copy/paste the code you want to reuse.

The function calls to the Custom PDF SDK are very simple ! Just have a look at the **vcexdlg.cpp** source file.

After compiling the example, the executable **vccustexample.exe** is copied to the bin/Win32 or bin/x64 sub directory. You can run it from within this sub directory.

4. Running your own program

In order to run your program using the Custom PDF SDK libraries you need to add the following files/directories into the same directory as your program:
>   Vgflow.dll
>   Vgpsflow.dll
>   Fonts directory