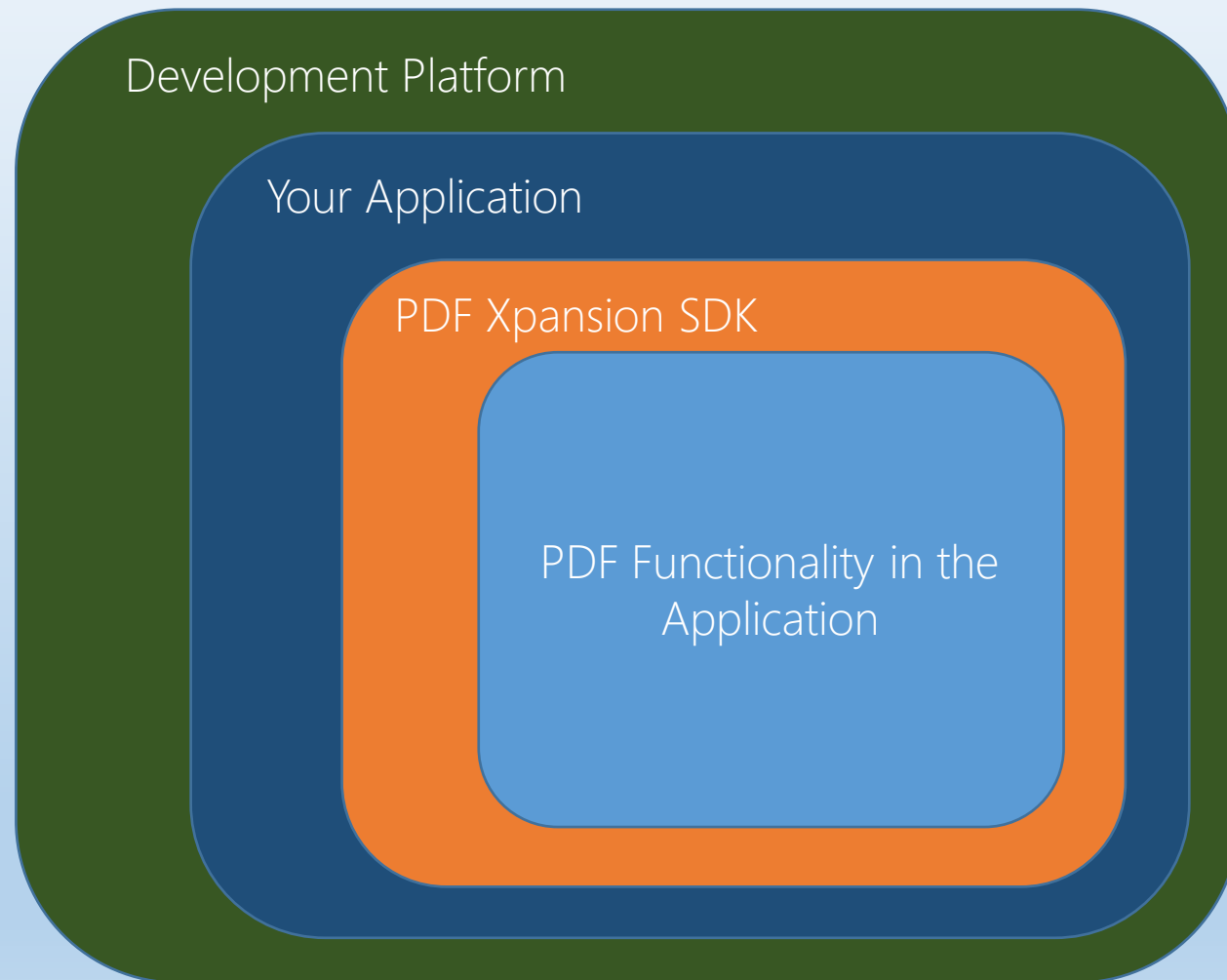


Welcome to the PDF Xpansion SDK!

The PDF Xpansion SDK provides a set of APIs enabling you to integrate high-performance PDF/XPS features and functions into your applications and software solutions.

Consequently, PDF functions can easily be added into your Windows Apps or desktop programs.



PDF Xpansion SDK Highlights

One of the highlights of the SDK is its [comprehensive functionality](#), which addresses nearly each PDF-related need or requirement you may have. Creating PDF documents from several sources, editing content, commenting using all the annotation types supported by the PDF specification, creating and managing forms and digital signatures, a richly-featured PDF viewer, generating PDF certificates for signing PDFs, support for eInvoicing formats (ZUGFeRD, FACTUR-X, XRrechnung) – and much more.

The 15th generation of the SDK offers the following [Windows APIs](#) with similar structures and comparable functions:

- Desktop applications and server solutions (C++)
- Desktop applications and server solutions (.NET)
- Store Applications for all Windows 10 devices (Universal Windows Platform)
- COM API (for C++ Builder, Delphi) and OLE Automation languages

[The licensing model](#): A one-time payment (royalty-free), no extra developer licenses, pay only for the features you need, and problem-free upgrades

History and Facts

- **2002:** Start of development. The standard application “PDFs made easy” is conceived and then released in 2003.
- **2005:** The first version of the SDK. Since then, new versions of the SDK have followed every one to two years:

Version	2, 3	4	5	6	7	8	10	11	12	13	14	15
Year	2006	2007	2008	2009	2010	2011	2013	2015	2017	2018	2019	2021

- **2021:** PDF Xpansion SDK 15 is the current version of our PDF Xpansion technology.
- More than **70** desktop products, including freeware, released around the world since 2002.
- **10** Windows Store apps in **10** languages for all Windows 10 devices (UWP)
- More than **one million** installations of our PDF Xpansion technology around the world.

PDF Xpansion SDK: Document Formats

The following document and document part formats are supported:

- **PDF:** Portable Document Format, ISO 32000 (PDF version 1.3 till 1.7)
- **PDF 2.0:** ISO 32000-2
- **PDF/A-1** (ISO 19005-1:2005), **PDF/A-2** (ISO 19005-2:2011), **PDF/A-3** (ISO 19005-3:2012) with support for the eInvoicing standards ZUGFeRD (PDF/A-3 and XML), FACTUR-X, XRechnung, **PDF/A-4** (ISO 19005-4:2020)
- **FDF/XFDF:** Save form content, send
- **XPS/OXPS:** XML Paper Specification, a device-independent document format from Microsoft
- **XMP:** Metadata for PDF
- Graphics: **BMP, TIFF, PNG, JPG, JPG2000, JBIG**, etc., **SVG** (Scalable Vector Graphics), **EMF**
- **TXT:** Plain text
- **DOCX:** Microsoft Word
- **HTML:** static HTML files, Web pages, **MathML**
- eBook-Formate: **EPUB, MOBI, FB2**

Two License Models

Corporate License

- ✓ Royalty free
- ✓ Use in individual solutions or components (non-standard applications) outside the licensee's company
- ✓ Using the SDK as part of another SDK or development tool
- ✓ Software development and distribution in a worldwide corporate group (concern, holding, etc.) with several legal persons within the group

Business License

- ✓ Royalty free
- ✓ Distribution of products created by the licensee as standard applications (available for purchase as standalone and ready-to-use products released by a single copyright owner)
- ✓ Within the licensee company (unlimited company locations in one country) with less than 500 employees (all company locations counted together). Additionally, the average total number of processed PDF documents processed with the PDF Xpansion SDK must not exceed 5000 per month, on a one-year basis.

PDF Xpansion SDK Functionality

The functionality of the PDF Xpansion SDK includes several hundred features and is structured as follows:

PDF Functionality

Open and save PDF files and streams, separate and combine documents, page management, create form fields and digital signatures, annotations, PDF/A, edit and create page content, convert HTML and DOCX in PDF and more

Elektronic Invoicing

PDF Xpansion SDK enables ZUGFeRD / Factur-X / XRechnung-compliant invoice processing for all standards and profiles: reading and validating the structure of XML data, creating and converting invoices and much more.

Viewer Functionality

Core features: render PDF pages, navigate, zoom, etc., fill out forms, view and edit annotations (interactive end-user tools), dynamic notes and more

XPS Functionality

Open and save files and streams, separate and combine documents, render pages, page management, digital signatures, edit and create page content, and more

Special Functions

Rich-text box, image/text documents, fragment/compound documents, XFA forms (restricted)

Development Platforms

Windows Desktop, .NET, Windows Store, COM

Processor Architecture

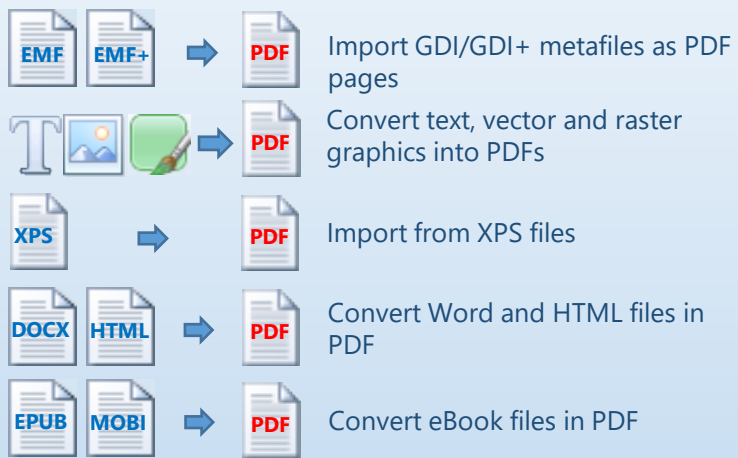
x86, x64 and ARM

Languages

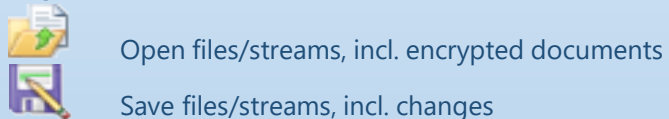
Western European, non-Western European, Asian and RTL languages

PDF Functionality

Create/Convert



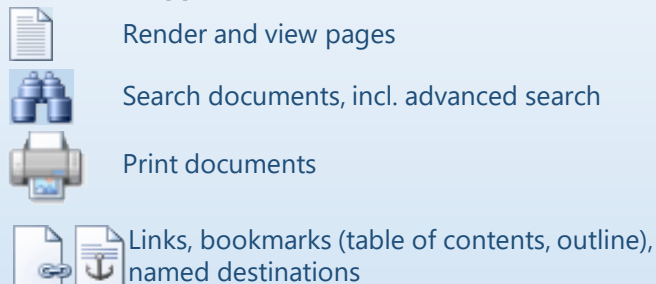
Open/Save



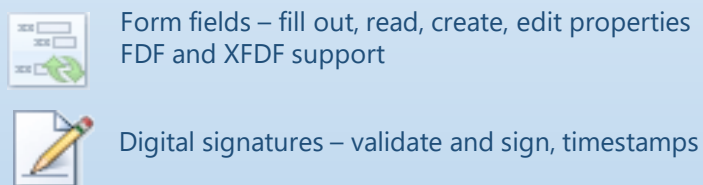
PDF/A – Long-Term Archiving



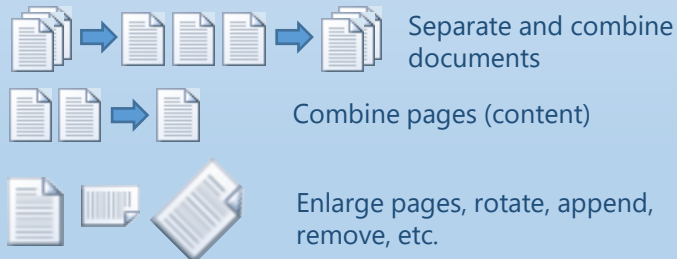
Viewer Support



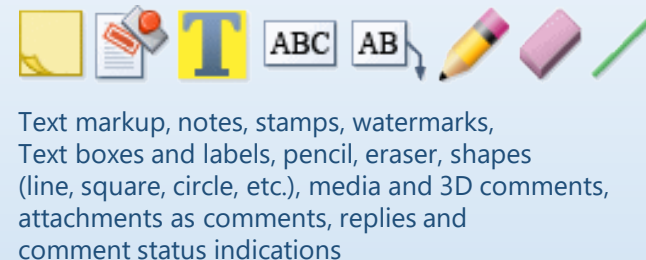
Forms and Digital Signatures



Page Management



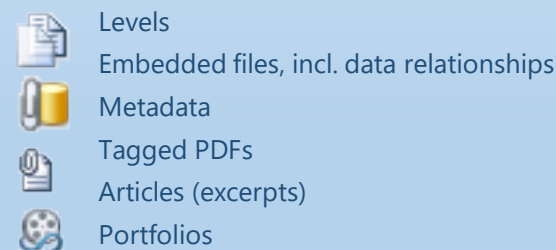
Comments (Annotations)



Edit PDFs



Structure Documents



Viewer Functionality

Open/Save



Open files/streams, incl. encrypted documents



Save files/streams, incl. changes

Core Functionality



Navigation: Scroll pages, browse, go to a specific page



Zoom

Viewer Functionality



Render and view pages



Search document, incl. advanced search



Print document



Links, bookmarks (table of contents, outline), named destinations

Interactive End-user Tools



Magnifying glass and snapshots



Tracker tool (incl. inserting notes, stamps, watermarks)



Rectangle tool (incl. inserting fields, links, etc.)



Text selection, markup, textbox



Stylus



Pencil, eraser



Shapes

Forms and Digital Signatures



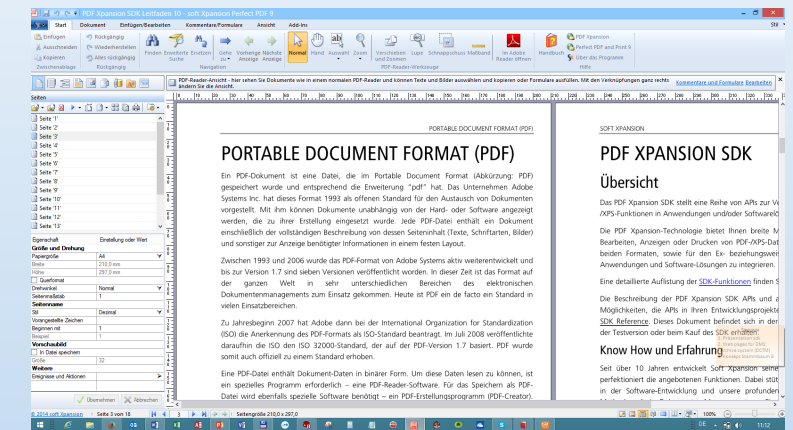
Form fields – fill out and read, create, edit properties FDF and XFDX support



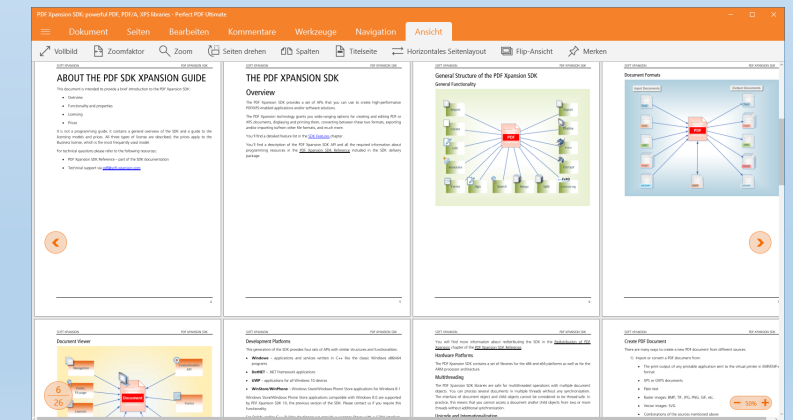
Digital signatures – validate and sign, timestamps

Viewer Applications

Desktop



Windows Store App



Electronic Invoicing

XML Based Invoices

XRechnung

PDF Xpansion SDK supports the creation of XML invoices for all standards and profiles, data reading, validation of XML structure.

ZUGFeRD

Data import of XML in **UBL syntax** into a UN/CEFACT invoice is also possible.

Factur-X

"**Visualization of XML invoices**" offers the possibility of creating a visual representation of the invoice content in the form of a PDF file from machine-readable XML invoices: PDF creation from XML and design template.

PDF/A Based Invoices

ZUGFeRD

ZUGFeRD (German abbreviation for „Zentraler User Guide des Forums elektronische Rechnung Deutschland“) is a universal data format for creation and exchange of electronic invoices, with specifications 1.0, 2.0, 2.1, 2.1.1.

Factur-X

The **PDF Xpansion SDK** offers functionality to implement a compliant procession of electronic invoices – for all ZUGFeRD/Factur-X specifications and for all profiles: Read and validate the structure of XML files, create valid invoices.

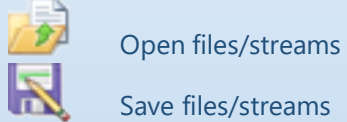
ZUGFeRD 2.0 and newer has been developed in close cooperation with the developers of the French standard Factur-X. Both formats are technically identical. The PDF SDK also supports Factur-X.

XPS/OXPS Functionality

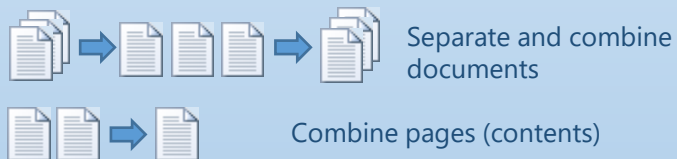
Create/Convert



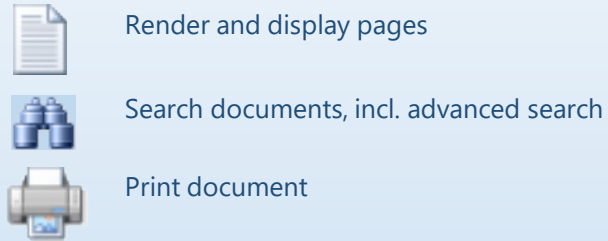
Open/Save



Page Management



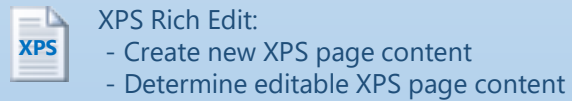
Viewer Support



Digital Signatures



XPS Editing



Special Functions

Built-in Editor



Page Content Editor Tool – your own page editor for the editing of page content

OCR – Text Recognition



Recognition of text in images with Tesseract OCR engine. Search and export of the recognized text.

Number of supported languages: 60

XFA Forms



Providing of the use of dynamic forms in XFA format for C++ and .NET applications: preview in Viewer, print, using the API for the access to form data

Other Functions



Image/text documents



Fragment/compound documents



Documents from another sources:
Scanner & Webcam

Special Functions

Built-in Editor



Page Content Editor Tool – your own page editor for the editing of page content

OCR – Text Recognition



Recognition of text in images with Tesseract OCR engine. Search and export of the recognized text

Number of supported languages: 60

ZUGFeRD e-Invoicing



Read, validate, write ZUGFeRD/FACTUR-X/XRechnung compliant files. Support of all ZUGFeRD profiles

Other Functions



Image/text documents



Fragment/compound documents



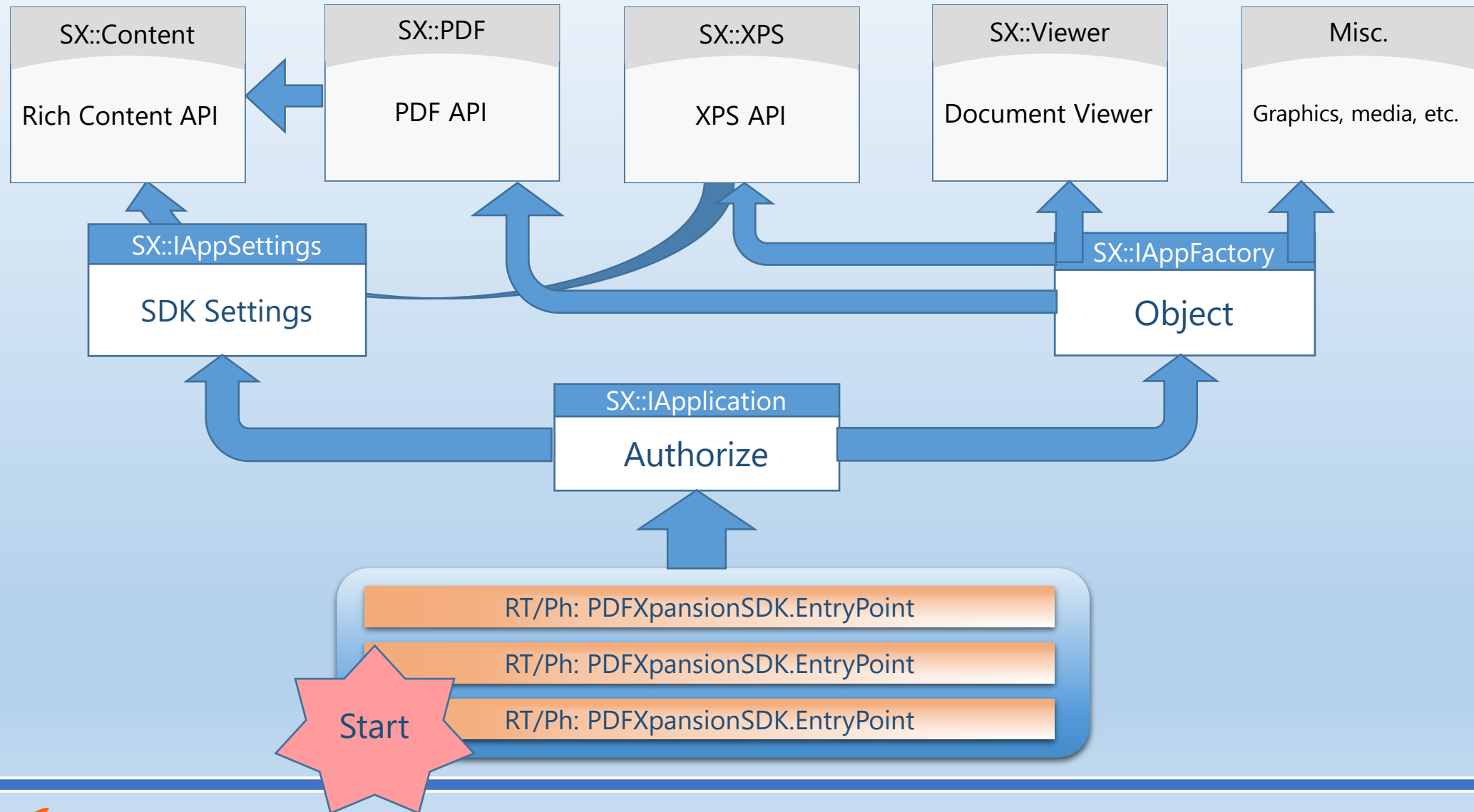
Documents from another sources:
Scanner & Webcam

XFA-Formulare



Providing of the use of dynamic forms in XFA format for C++ and .NET applications: preview in Viewer, print, using the API for the access to form data

Getting Started with the SDK



Support & Maintenance

Types of Support

ETS: Extended Technical Support

- ✓ Addresses issues not covered by STS
- ✓ Consulting/advice for development and optimal use of the SDK
- ✓ Consulting/advice on installation and customization of SDK components
- ✓ Improvement of the workflow and program interface of SDK components

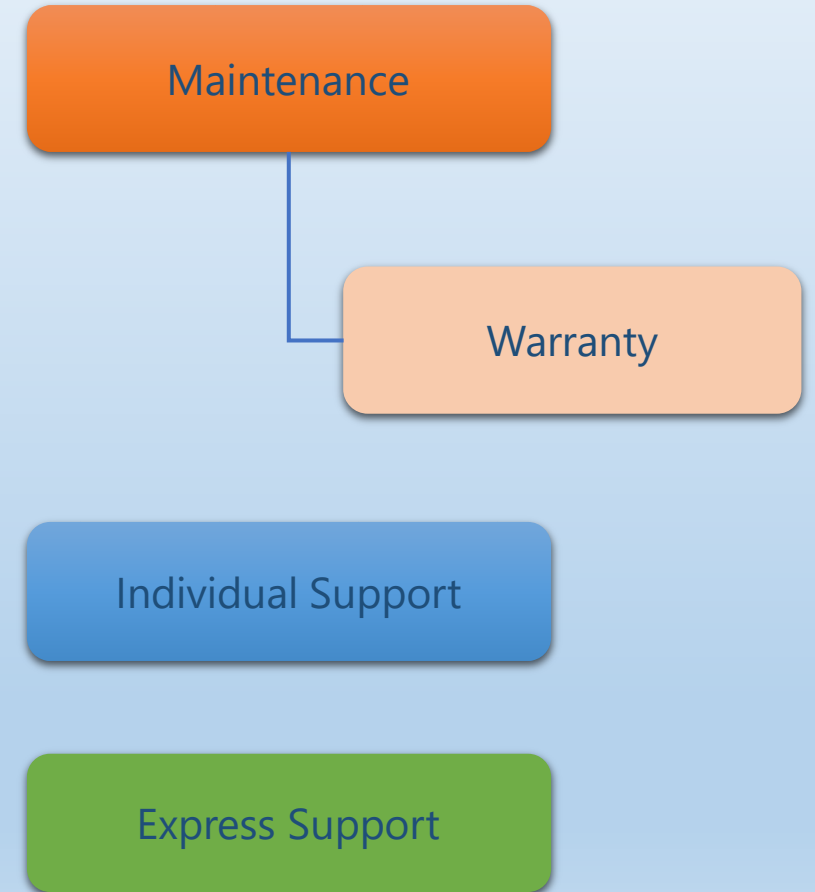
STS: Standard Technical Support

Includes technical support covering the standard functions of the SDK product. STS addresses cases in which SDK components malfunction in so far as they are not in harmony with the SDK documentation and make the proper functioning of the system impossible.

TS: Technical Support

Services ensuring guaranteed hassle-free use of the PDF Xpansion SDK

Support Services



References

opentext™

ATHENASOFT®
Oprogramowanie dla Budownictwa

BDV

bdr.
BUNDESDRUCKEREI

amadeus

Therefore™
PEOPLE PROCESS INFORMATION



TEDATA

wolf SYSTEM **wolf HAUS**

IQDoQ
Document Management Company of MATERNA

NOVALINE

starfinanz

BUHL

HENRICHSEN AG
BUSINESS SOLUTIONS

akademische
arbeitsgemeinschaft verlag
a Wolters Kluwer business

BRAINLAB

MAG-CUT

KS 株式会社建設システム

HEIDELBERG ENGINEERING

BITBERRY SOFTWARE

medix

C|I|S|T|E|C
clinical information systems

Docuware

IHK Industrie- und Handelskammer zu Köln

XoS digital

PROGNOZ

ELO
Digital Office

elform

HUK-COBURG
Aus Tradition günstig

medDV

MegaCAD

BRUKER

AREVA **CSsoft**

ThyssenKrupp

BERATA

PEARSON

ZUKEN

MIA

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Always be on the cutting edge of electronic document management
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