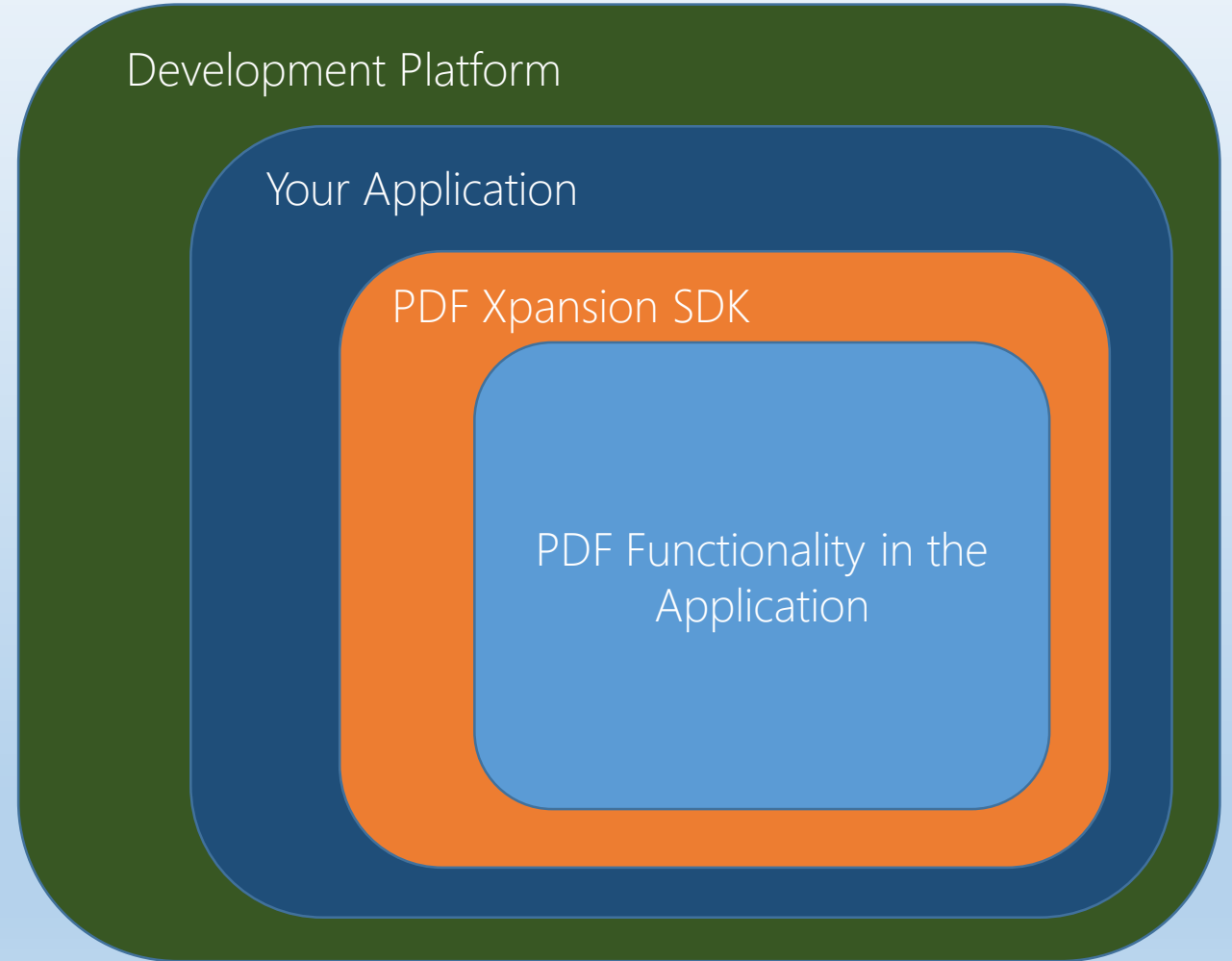


# Welcome to the PDF Xpansion SDK

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.

The PDF Xpansion technology offers you a broad range of possibilities for creating, editing, viewing and printing PDF/XPS files and for converting between the two formats, as well as for exporting and importing other file formats in your applications and software solutions.



## Overview

- ✓ [Highlights](#): Functions, platforms, license models
- ✓ [History](#): More than 1 million installations since 2002
- ✓ [Document formats](#): PDF, PDF/A-1, 2, 3, XPS, XMP, text, EMF, SVG, raster graphics
- ✓ [Functionality](#): [PDF functionality](#), [viewer functionality](#), [XPS functionality](#), [special functions](#)
- ✓ [Licensing models & pricing policy](#): Flexible, royalty-free licenses, three license models
- ✓ [Test version and authorization](#)
- ✓ [SDK/API](#): Getting started
- ✓ [Support services](#): Types of support, warranty, maintenance, special types of support
- ✓ [References](#): Excerpt from client list

# PDF Xpansion SDK Highlights

One of the highlights of the SDK is its [comprehensive functionality](#), which address nearly every 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 the **ZUGFeRD** format – and much more.

The 12<sup>th</sup> 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) as well as for Windows 8.1
- 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:

<b>Version</b>	2, 3	4	5	6	7	8	10	11	12
<b>Year</b>	2006	2007	2008	2009	2010	2011	2013	2015	2017

- **2017:** PDF Xpansion SDK 12 is the current version of our PDF Xpansion technology.
- **2006:** PDF Render Center – a server solution for PDF document management.
- More than **65** desktop products, including freeware, released around the world since 2002.
- **Seven** Windows Store apps in **ten** languages, plus Windows Phone PDF Reader.
- 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 ZUGFeRD standard
- **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 pages

# Three License Models

## Corporate License

- ✓ Use in individual products outside the licensee company.
- ✓ Use in server solutions with high output (processing 5000 documents per day). Internet-based services.
- ✓ As part of a different SDK or in developer tools.
- ✓ Use in more than five countries (including development, internal use, sales).

## Business License

- ✓ For sale of products produced by the licensee as standard products.
- ✓ Sales in up to five countries.
- ✓ Unlimited use of internally-developed software within the licensee company.
- ✓ Up to five countries.

## Office License

- ✓ Only within the licensee company.
- ✓ No commercial use (products).
- ✓ Fewer than 100 seats and only at one location.

# PDF Xpansion SDK Functionality

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

## 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.

## Specifications

Rich-text box, ZUGFeRD e-invoicing, image/text documents, fragment/compound documents, XFA forms (restricted).

## 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.

## 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.

## Development Platform

Windows Desktop, .NET, Windows Store, COM

## Processor Architecture

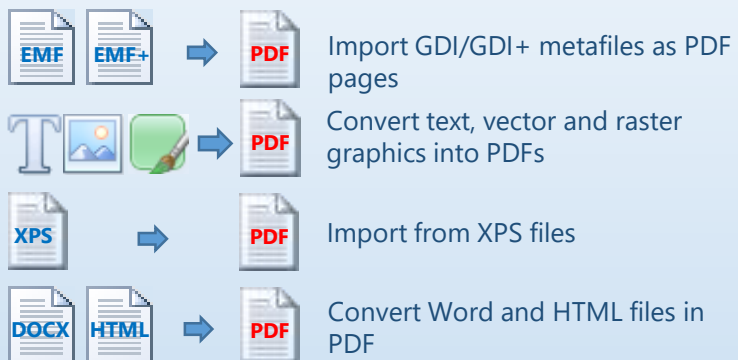
x86, x64 and ARM

## Languages

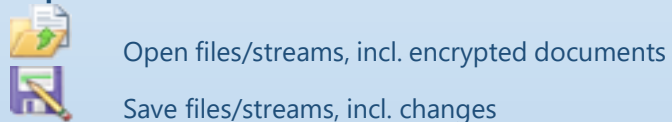
Western European, non-Western European, Asian and RTL languages

# PDF Functionality

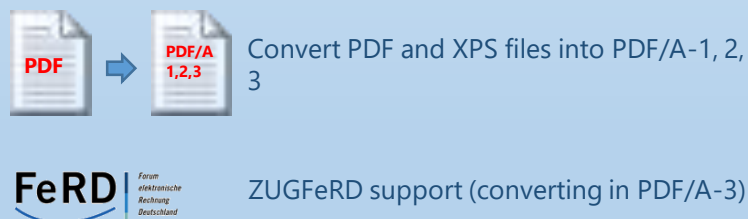
## Create/Convert



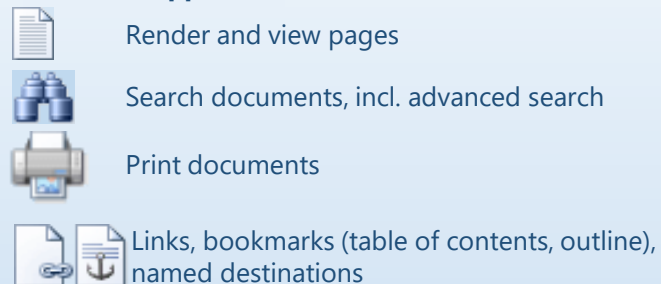
## Open/Save



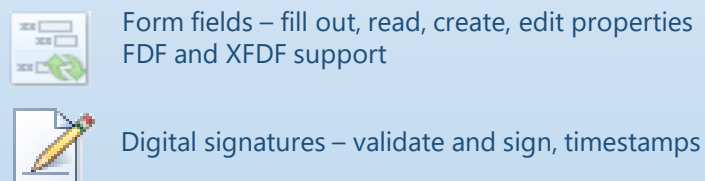
## PDF/A – Long-term Archiving



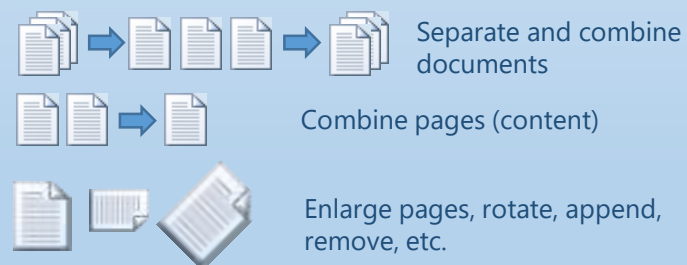
## Viewer Support



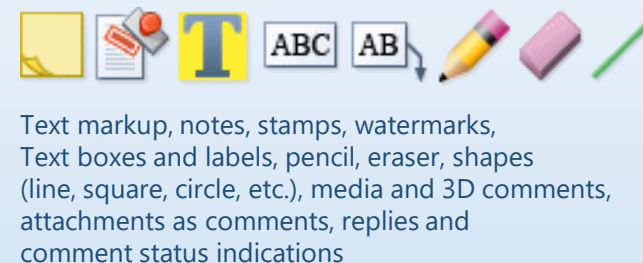
## Forms and Digital Signatures



## Page Management



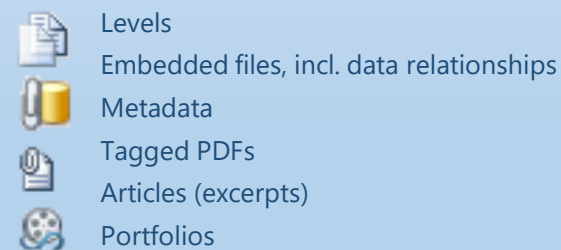
## Comments (Annotations)



## 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.)



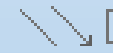
Text selection, markup, textbox



Stylus



Pencil, eraser



Shapes

## Forms and Digital Signatures



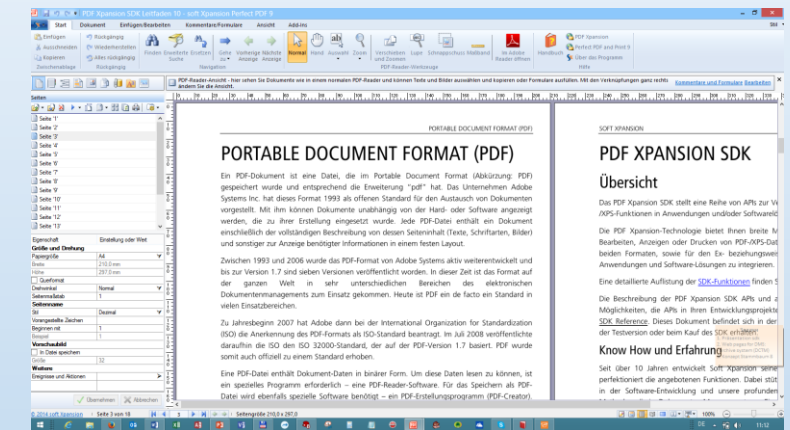
Form fields – fill out and read, create, edit properties  
PDF and XPDF support



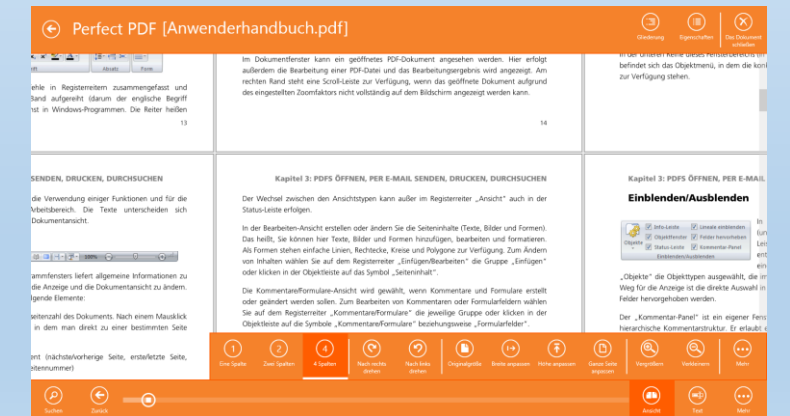
Digital signatures – validate and sign, timestamps

## Viewer Applications

### Desktop



### Windows Store App



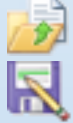
# XPS/OXPS Functionality

## Create/Convert



Import PDF files into XPS and OXPS

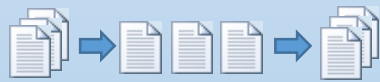
## Open/Save



Open files/streams

Save files/streams

## Page Management



Separate and combine documents



Combine pages (contents)

## Viewer Support



Render and display pages



Search documents, incl. advanced search



Print document

## Digital Signatures



Digital signatures – validate and sign

## XPS Editing



XPS Rich Edit:

- Create new XPS page content
- Determine editable XPS page content

# Special Functions

## Built-in Editor



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

## OCR – Text Recognition



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

Number of supported languages: 60.

## ZUGFeRD e-Invoicing



Read, validate, write ZUGFeRD conform files. Support of all ZUGFeRD profiles: Basic, Comfort and Extended

## Other Functions



Image/text documents



Fragment/compound documents



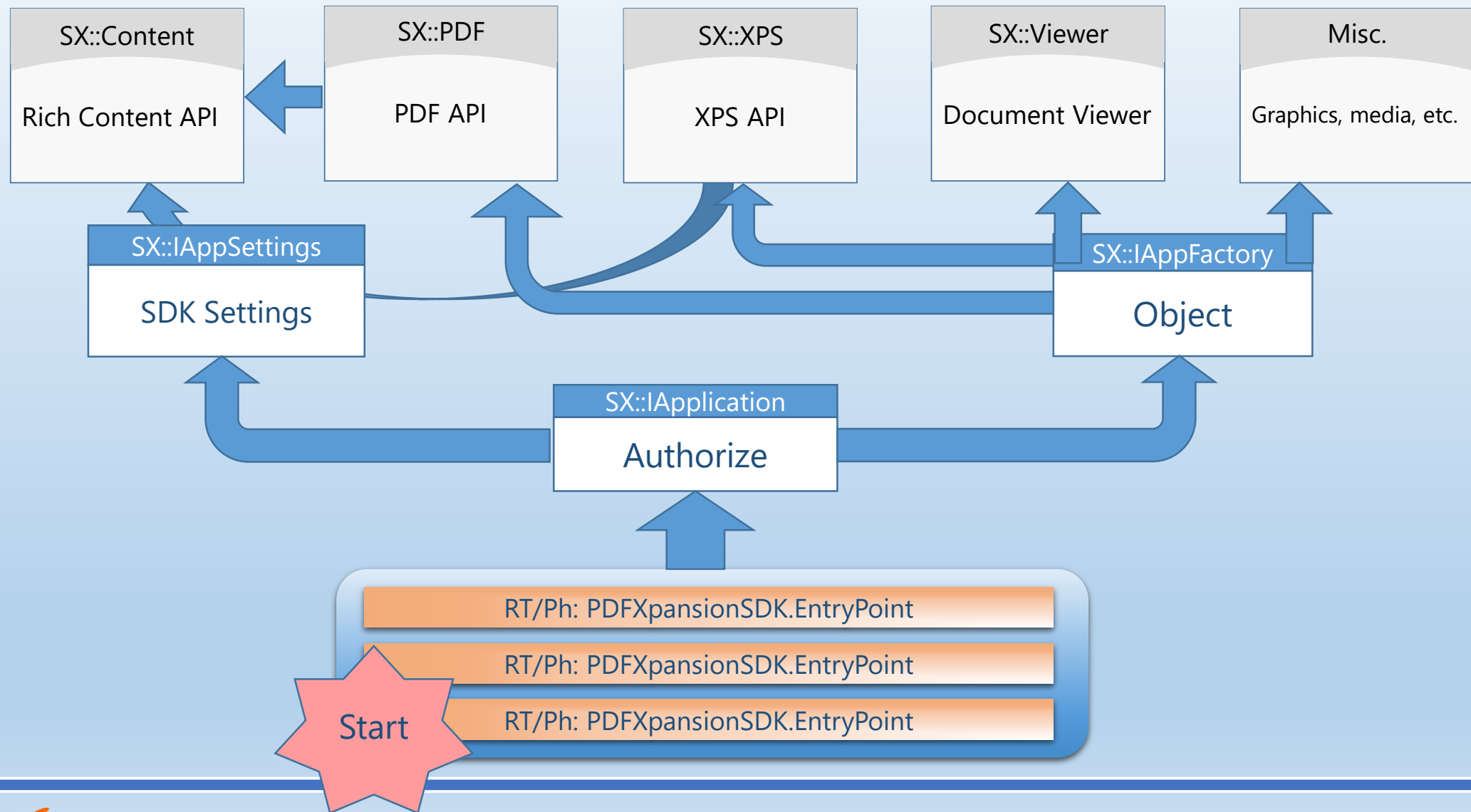
Documents from another sources:  
Scanner & Webcam

## 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



# Test Version and Authorization

## Test Version of PDF Xpansion SDK

The test version can be freely accessed after a quick registration. The test version is fully-functional but all documents are marked with a demo watermark. The examples included with the test version enable you to quickly begin exploring the SDK.

If you would like to use the test version for longer than three months, you will generally need to download a new, updated version.

## Authorization

After purchase you will receive your individual license which will be used to authorize the product. The authorization process is simple: just replace the “**pdf-xpansion.license**” license file in each project with the new license that you received from soft Xpansion.

The SDK will need to be re-authorized when upgrading to the latest version. Soft Xpansion will provide the new authorization file. A new version can be distinguished from the the previous version by checking the first part of the version number. For example: 11.xx.xx -> 12.xx.xx.

# 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

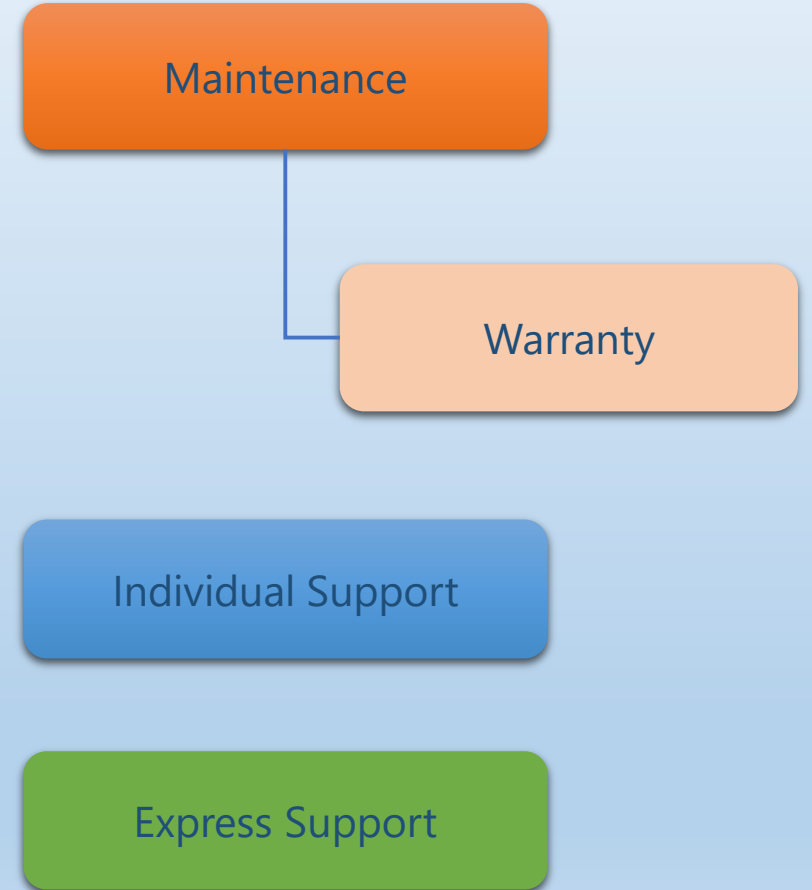
### STS: Standard Technical Support

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



# Thank You for Your Attention!

soft Xpansion wishes you successful and productive work with your PDF Xpansion SDK!

Always be on the cutting edge of electronic document management with the help of the PDF, PDF/A and XPS document formats and the PDF Xpansion SDK.

## More information from soft Xpansion:

- [PDF freeware](#)
- [Desktop programs](#): Perfect PDF product family
- [Perfect PDF apps](#) in Windows Store
- [PDF Xpansion SDK](#): Beschreibung, Dokumente und Testversion
- [PDF server solutions](#): PDF Render Center and PDF Creator Server