



ADOBE PDF LIBRARY SDK

The Adobe® PDF Library software development kit (SDK), available by license, provides unparalleled quality and reliability of proven Adobe PDF technology, allowing third-party developers to support the Adobe Portable Document Format (PDF) within their own standalone applications. Developers can flexibly implement and develop powerful Adobe PDF solutions in desktop environments as well as a wide range of server platforms. They can also take advantage of full compatibility with the latest PDF specification; full interoperability with Adobe products; consistent, reliable support on a broad range of platforms (see details below); as well as high-performance, scalability, and optimized PDF processing.

Developers do not need Adobe Acrobat® software or other products installed to use the Adobe PDF Library SDK. For details on extending the capabilities of the Adobe Acrobat line of products, check the [Acrobat Developer Center](#).

Major updates in PDFL SDK XVIII release include:

- Support for PDF 2.0 file version - PDF Library can now read and edit files with PDF 2.0 version. Two new APIs *PDDocGetAdobePDFVersion* and *PDDocSetAdobePDFVersion* have been introduced in this release for getting and setting new PDF versions respectively.
- Support of Black point compensation (BPC) flag - *UseBlackPtComp* has been added to the graphic state parameter dictionary. Two new APIs *PDEExtGStateGetBPC* and *PDEExtGStateSetBPC* have been added to get and set the *UseBlackPtComp* flag value respectively.
- Support for Page-Level Output Intent - User can set Output Intent for each Page as well. Two new APIs *PDDocColorConvertEmbedOutputIntentEx* and *PDPageColorConvertEmbedOutputIntent* have been added to support new output intent subtypes added in PDF 2.0. Appropriate subtype like GTS_PDFX, GTS_PDFA, and ISO_PDFE1 can be added to the output profile as per the value passed to these APIs.
- If output intent already exists at Doc/Page level, then new output intent gets added to the existing one.
- *PDColorConvertPDEElementEx2* API has been added to support conversion to a *PDEElement* to the supplied color space.
- *PDSysEncodingSetIsUTF16* API has been added to check if an encoding is UTF-16 or not.

- In PDF 2.0, versioning model has been changed and now support 2-part version system which is a combination of Major and Minor versions like Major.Minor as compared to 3-part version system Major.Minor.ExtensionLevel in PDF 1.7.

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- updated **cmaps** and mapping resources to support Adobe-Japan1-7 fonts.
- Full compatibility with Acrobat DC.
- The current release includes the following changes to the supported platforms. In version 18.0 and later:
 - Windows 10 is the primary operating system for Windows platforms.
 - The supported compiler for all Windows platforms is Visual Studio 2017(version 15.3.3).
 - Mac OS X 10.12 (Sierra) is supported on 64-bit platforms.
 - The supported operating system for Linux platforms is CentOS 7.3, with the Clang 3.9.1 compiler. The glibc version to be used is 2.17.
 - The supported compiler for all Macintosh platforms is Xcode Developer Tools 8.2.1.
 - Support for the following platforms has been discontinued:
 - Red Hat Enterprise Linux 7 on 32-bit platform.
 - Red Hat Enterprise Linux 7 on 64-bit platform.
 - Mac OS X 10.9 (Mavericks) on 64-bit platform.

For more information on the Adobe PDF Library, please see the following:

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PDF Library SDK and Acrobat SDK comparison matrix

**ADOBE PDF LIBRARY SDK**

	PDF Library SDK	Acrobat SDK
Embed PDF manipulation within your application without the presence of Acrobat	Yes	
Create applications that can run on Servers	Yes	
Create, edit, and assemble documents	Yes	Yes
High volume and variable data printing	Yes	Yes
Embed and subset fonts	Yes	Yes
View and render PDF	Yes	Yes
Linearize and optimize PDF for the Web	Yes	Yes
Compress documents	Yes	Yes
Provide password security	Yes	Yes
Extract content	Yes	Yes
Create and manipulate forms	Yes	Yes
Use layers and grouping to provide selective viewing of content	Yes	Yes
Provide searching and indexing	Yes	Yes
Encrypt documents	Yes	Yes
Add comments to documents	Yes	Yes
Access Acrobat plug-ins		Yes



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Overview

Designed specifically for OEMs, ISVs, system integrators, and enterprise IT developers, the Adobe PDF Library SDK contains a powerful set of functions for developing third-party solutions and workflows built upon the Adobe PDF standard. The Adobe PDF Library is based on the technology of Adobe Acrobat software and offers complete functionality for generating, manipulating, rendering, and printing Adobe PDF documents.

The Library enables Adobe PDF functionality to be seamlessly embedded within applications. It also provides reliable, accurate, and Adobe-supported implementation of the latest PDF specification.

The Adobe PDF Library SDK includes the following:

- Core dynamic Libraries
- Header files
- Complete documentation, including an application programming interface (API)
- Reference guide
- Fonts
- 17 completely functional solution samples

For more details, please see the following:

- [Adobe PDF Library datasheet \(PDF\)](#)
- [Adobe PDF Library FAQ \(PDF\)](#)
- [Adobe PDF Library overview \(PDF\)](#)
- [Adobe PDF Library SDK XVIII ReadMe \(PDF\)](#)
- [Adobe PDF Library SDK XVIII Help \(HTML\)](#)

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Key benefits



ADOBE PDF LIBRARY SDK

- Full compatibility with the latest specification of PDF language
- Full interoperability with Adobe products
- Consistent, reliable support on a broad range of platforms
- High-performance, scalable, and optimized PDF processing

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Adobe PDF Library customers

Some of the most recognizable customers of the Adobe PDF Library are prominent Adobe products, including Adobe Acrobat, Reader®, Photoshop®, Illustrator®, InDesign®, and FrameMaker® software; Adobe LiveCycle™ server products family; the Adobe PostScript® language; and others. However, the Adobe PDF Library SDK was specifically created to support OEMs, systems integrators, independent software vendors, and enterprise IT developers who want to incorporate Adobe PDF functionality into new or existing applications and workflows.

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Broad multiplatform support

Adobe PDF Library is supported across the following platforms:

- Microsoft Windows® (32-bit and 64-bit)
- Macintosh (64-bit)
- Linux® (64-bit)

Developer support and maintenance

Major releases of the Adobe PDF Library SDK coincide with releases of the Acrobat software family and Adobe PDF specification. To provide improvements based on developer feedback, interim releases of the Library are made available on a regular basis. In

addition, Adobe provides in-depth developer support for the Adobe PDF Library SDK, as well as integration, training, and consulting support from [Datalogics, Inc.](#)



ADOBE PDF LIBRARY SDK

Availability

The Adobe PDF Library SDK is available from Adobe through a license agreement to OEMs, ISV integrators, and enterprise IT developers on a case-by-case basis. The first step in the licensing the Adobe PDF Library is to fill out the [information request form](#) (PDF, 45K). The Adobe PDF Library is also available through our exclusive partner: [Datalogics](#).

Existing Adobe PDF Library customers can contact their Adobe Sales Point of contact to get access to PDF Library.

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