

# Adobe PDF Library with PDF Optimizer

PDF Optimizer is an enhancement to the Adobe PDF Library, that reduces file size while preserving the fidelity of PDF files and requires no expertise to use.

*Ensure maximum compatibility with the user's system when distributing materials in a PDF format.*

*Colors will appear as intended across different viewing platforms.*

*Process files as they are uploaded, to ensure compatibility with internal workflows while reducing file size and saving on storage costs.*

*Automatically tailor PDF documents to match viewing intent.*

*Improve your user's experience by creating a smaller, more agile document.*

*Achieve great results without needing in-depth expertise in complex PDF technology.*

PDF Optimizer is an API that works with the Adobe PDF Library to simplify the process of creating a PDF while making an appropriate file for the viewing experience of the user. It's included with the Adobe PDF Library at no additional cost while offering expert support for your integration efforts. The solution improves the reader's experience with a PDF while maintaining the author's original intent. With it, developers can:

- Create a PDF file optimized for the targeted viewing method
- Reduce image resolution while maintaining image fidelity
- Convert color in a way that is ideal for the target medium
- Flatten transparencies to improve document portability
- Embed only the necessary subset of fonts to view the document
- Apply customizable settings with the API toolkit
- Implement default settings with ease, eliminating the need for prior PDF experience

## **Making it easier for developers to optimize PDFs**

The PDF specification is vast and complicated. Developers should not need to have in-depth expertise in PDF creation to optimize a file. The PDF Optimizer tools provide a sensible set of default settings that will achieve great results for most PDF files. However, when there is a need for greater control over the process, we offer fine tuning resources right in the API that allow developers to customize the PDF settings.

## **Create a PDF file ideal for the targeted viewing method**

PDF files can be created in many ways, none of which automatically optimize for how you intend to share that document with end users, leaving very specific challenges to the user's experience. For example, a document may take a long time to open, or the document does not render the same on a small screen versus a large screen. With the PDF Optimizer tool integrated into the Adobe PDF Library, developers can automatically create a file that is ideal, viewable and portable for the distribution method used. The tool will not only reduce file size, but it will provide a uniform experience regardless of the viewing platform.

## **Maintaining document quality while reducing file size**

High-quality, print ready documents can contain high-resolution images. When you want to share these files on the web or email them to a customer, that same high-quality image can become detrimental to the end user experience. PDF Optimizer can be used to automatically reduce the image size, while maintaining the image viewing quality, so that the documents will open quickly and be emailed easily.

Transparencies are a very complex technology that refers to objects on a page, such as images or text, which are transparent or 'show through'. If transparencies are not handled accurately in the PDF file, the document will not appear in the way the designer intended. PDF Library supports all transparency modes in the PDF specification. Developers can use the PDF Library with PDF Optimizer to pre-flatten document transparencies. This provides a uniform viewing experience.

# ADOBE PDF LIBRARY WITH PDF OPTIMIZER

## Using only the necessary fonts

When designers are creating a PDF file, fonts are embedded to improve document portability. The problem is that in most cases the entire font package is embedded, leading to a larger than necessary overall file size. PDF Optimizer, will embed only actual glyphs used by the designer, making the file size smaller and more portable.

## Color conversion for the targeted medium

Print-ready documents are often designed in CMKY color space, frequently with spot colors and halftones in the mix. To represent the colors accurately, these documents need to be converted to an RGB color space when being repurposed for viewing on a monitor, tablet, etc. When converting color spaces, you might lose color integrity, impacting logos and changing the original intent of the file. Working with the Adobe Color Engine, PDF Optimizer ensures colors will be preserved during the conversion. In addition, spot color and halftone images will be maintained, so that the file looks exactly as expected.

With so many options on the market and startup costs high, developers need to ensure that they are choosing the solution that meets their needs from a trusted resource that will provide a long term partnership and ongoing support. By utilizing the Adobe PDF Library with PDF Optimizer, developers can ensure that consumers of a PDF document have a consistently good experience, without having to build PDF expertise from the ground up.

## Specifications

**Platform** - Window, Mac, Linux

**Interfaces** - C/C++, .NET, Java

**Standards** - ISO 32000, PDF 1.7

**Technologies** - Adobe Color and Adobe font engines

## Image Compression

**Color** - Flate, JPEG, JPEG2000

**Grayscale** - Flate, JPEG, JPEG2000

**Monochrome** - Flate, CCITT G4, JBIG2

**Color Space Support** - DeviceRGB, CalRGB, DeviceCMYK, Lab profiles, ICC profiles, Indexed colors, DeviceN color spaces

**Font Optimization** - remove embedded fonts, merge duplicate fonts, subset all embedded fonts, remove embedded base 14 fonts

**Document Optimization** - remove redundant file streams, compress file streams, document body compression, remove ASCII filters, linearize PDF document, discard objects

## SUPPORT

Today, our business focuses on providing technologies to software developers and enabling them to bring their products to market faster with superior PDF tools. With fifty years of experience in the document market, we have continually adapted to ever-changing technology yet, one thing remains consistent, we are deeply committed to supporting our customers and staying technically-focused to provide the best possible products and services.

Whenever you need a lifeline - we have a live person ready to help. We will support you during both the evaluation phase and as a customer. You will always have a dedicated Technical Support Engineer who is knowledgeable and ready to provide you with answers. We update software often and send out timely, technical service bulletins to keep you updated on the latest developments. And you'll find code samples, documentation, and answers to your questions whenever you need them.

Datalogics is the exclusive distributor of the Adobe PDF Library. We are active participants in the PDF Association and we add valuable tools and resources to the Adobe APIs. This level of service means that we offer the expertise to give you the best PDF experience possible.

To download a free evaluation copy of the Adobe PDF Library with our PDF Optimizer tool, go to <http://www.datalogics.com/products/pdf/pdflibrary/eval/>.

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