

# Portable Document Format

From Wikipedia, the free encyclopedia

**Portable Document Format (PDF)** is a file format used to represent documents in a manner independent of application software, hardware, and operating systems.<sup>[1]</sup> Each PDF file encapsulates a complete description of a fixed-layout flat document, including the text, fonts, graphics, and other information needed to display it. In 1991, Adobe Systems co-founder John Warnock outlined a system called "Camelot"<sup>[2]</sup> that evolved into PDF.

While Adobe Systems made the PDF specification available free of charge in 1993, PDF remained a proprietary format, controlled by Adobe, until it was officially released as an open standard on July 1, 2008, and published by the International Organization for Standardization as ISO 32000-1:2008.<sup>[3][4]</sup> In 2008, Adobe published a Public Patent License to ISO 32000-1 granting royalty-free rights for all patents owned by Adobe that are necessary to make, use, sell and distribute PDF compliant implementations.<sup>[5]</sup>

## Contents

- 1 History
  - 1.1 Adobe's PDF specifications
    - 1.1.1 Adobe's versions
  - 1.2 Standardization
    - 1.2.1 Specialized subsets of PDF
    - 1.2.2 Full function PDF
      - 1.2.2.1 PDF 1.7
      - 1.2.2.2 PDF 2.0
    - 1.2.3 ISO TC 171 SC 2 WG 8
- 2 Technical foundations
  - 2.1 PostScript
- 3 Technical overview
  - 3.1 File structure
  - 3.2 Imaging model
    - 3.2.1 Vector graphics
    - 3.2.2 Raster images
    - 3.2.3 Text
      - 3.2.3.1 Fonts
      - 3.2.3.2 Standard Type 1 Fonts (Standard 14 Fonts)
      - 3.2.3.3 Encodings

## Portable Document Format



Adobe PDF icon

<b>Filename extension</b>	.pdf
<b>Internet media type</b>	application/pdf application/x-pdf application/x-bzpdf  application/x-gzpdf
<b>Type code</b>	'PDF ' (including a single space)
<b>Uniform Type Identifier</b>	com.adobe.pdf
<b>Magic number</b>	%PDF
<b>Developed by</b>	Adobe Systems
<b>Initial release</b>	1993
<b>Latest release</b>	1.7
<b>Extended to</b>	PDF/A, PDF/E, PDF/UA, PDF/VT, PDF/X
<b>Standard(s)</b>	ISO 32000
<b>Website</b>	Adobe PDF Reference Archives ( <a href="http://www.adobe.com/devnet/pdf/pdf_reference_archive.html">http://www.adobe.com/devnet/pdf/pdf_reference_archive.html</a> )