

PDF

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For other uses, see [PDF \(disambiguation\)](#).

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The **Portable Document Format (PDF)** (*redundantly*: PDF format) is a [file format](#) developed by [Adobe](#) in the 1990s to present [documents](#), including text formatting and images, in a manner independent of [application software](#), [hardware](#), and [operating systems](#).^{[2][3]} Based on the [PostScript](#) language, each PDF file encapsulates a complete description of a fixed-layout flat document, including the text, [fonts](#), [vector graphics](#), [raster images](#) and other information needed to display it. PDF was standardized as ISO 32000 in 2008, and no longer requires any royalties for its implementation.^[4]

Today, PDF files may contain a variety of content besides flat text and graphics including logical structuring elements, interactive elements such as annotations and form-fields, layers, [rich media](#) (including video content) and three dimensional objects using [U3D](#) or [PRC](#), and various other data formats.^[*citation needed*] The PDF specification also provides for encryption and [digital signatures](#), file attachments and metadata to enable workflows requiring these features.

Portable Document Format



Adobe PDF icon



Filename extension	<div><div><div><div></div><div>.pdf</div><div>^[note 1]</div></div></div></div>
Internet media type	<div><div><div><div></div><div>application/pdf</div><div>^[1]</div></div><div><div></div><div>application/x-pdf</div><div></div></div><div><div></div><div>application/x-bzpdf</div><div></div></div><div><div></div><div>application/x-gzpdf</div><div></div></div></div></div>
Type code	<div><div><div><div></div><div>'PDF'</div><div>^[1]</div></div><div><div></div><div>(including a single space)</div><div></div></div></div></div>
Uniform Type Identifier (UTI)	<div><div><div><div></div><div>com.adobe.pdf</div><div></div></div></div></div>
Magic number	<div><div><div><div></div><div>%PDF</div><div></div></div></div></div>
Developed by	<div><div><div><div></div><div>ISO</div><div>Originally</div><div>Adobe</div></div></div></div>
Initial release	<div><div><div><div></div><div>15 June 1993</div><div>26 years ago</div></div></div></div>
Latest release	<div><div><div><div></div><div>2.0</div><div></div></div></div></div>
Extended to	<div><div><div><div></div><div>PDF/A, PDF/E, PDF/UA, PDF/VT, PDF/X</div><div></div></div></div></div>
Standard	<div><div><div><div></div><div>ISO 32000-2</div><div></div></div></div></div>
Open format?	<div><div><div><div></div><div>Yes</div><div></div></div></div></div>
Website	<div><div><div><div></div><div>www.iso.org/standard/63534.html</div><div></div></div><div><div></div><div></div><div></div></div></div></div>