

PDF

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

Portable Document Format

Adobe PDF icon

[Filename extension](#).pdf^[note 1]

[Internet media type](#)

- [application/pdf](#),^[1]
- [application/x-pdf](#)
- [application/x-bzpdf](#)
- [application/x-gzpdf](#)

[Type code](#)'PDF'^[1] (including a single space)

[Uniform Type Identifier \(UTI\)](#)com.adobe.pdf

[Magic number](#)%PDF

Developed by[ISO](#)

Initial release15 June 1993; 25 years ago

[Latest release](#)

2.0

Extended to[PDF/A](#), [PDF/E](#), [PDF/UA](#), [PDF/VT](#), [PDF/X](#)

[Standard](#)ISO 32000-2

[Open format](#)?Yes

[Website](#)www.iso.org/standard/63534.html

The **Portable Document Format (PDF)** 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 an [open format](#), ISO 32000, in 2008, and no longer requires any royalties for its implementation.

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.

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