

# 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](#).<sup>[2][3]</sup> 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.<sup>[4]</sup>

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