The intopdf package*

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This package defines a command `\attachandlink` which allows to attach an arbitrary file to your PDF document and linking to it from the main text. It is inspired by the TEXStack Exchange question Embed non-PDF files (e.g., BibTex) into PDF with hyperlink in the PDF. The engines pdfLATEX and LuaLATEX are supported.

1   Usage

`\attachandlink` `\attachandlink [⟨filespec⟩]{⟨filename⟩}[⟨mime-type⟩]{⟨Description⟩}{⟨link text⟩}`

The text ⟨*link text*⟩ is inserted, linking to the file ⟨*filename*⟩ which is attached to the document.

⟨*Description*⟩ should be a description of the file and will be shown by the PDF viewer in the atttached files section and sometimes in a mouseover tooltip.

⟨*mime-type*⟩ should be the MIME-Type of ⟨*filename*⟩. Currently ⟨*mime-type*⟩ is mandatory but I hope to make it optional in a later release. Additionally ⟨*filespec*⟩ can be used to specify the filename which will be shown in the PDF viewer. If this is not given, it will default to ⟨*filename*⟩.

2   Example

The source of the document is attached here.

```
The source of the document is attached
\attachandlink{intopdf.dtx}[application/x-tex]
    {The source of this document}{here}.
```

3   The implementation

1 ⟨@@=intopdf⟩

Only pdfTEX and LuaLATEX are supported. For other engines we show an error.

```
2 \msg_new:nnnn{intopdf}{engine-unsupported}
3   {Your~TeX~engine~is~not~supported~by~intopdf.}
4   {To~use~intopdf,~you~have~to~use~pdfLaTeX~or~LuaLaTeX.}
```

Then we define some wrappers for the primitives.

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*This document corresponds to intopdf 0.3.0, dated 2020/03/13.

```
 5 \cs_generate_variant:Nn\str_case:nnF{VnF}
 6 \str_case:VnF\c_sys_engine_str{
 7   {pdftex}{
 8     \cs_new:Nn\__intopdf_escape_name:n{\pdfescapename{#1}}
 9     \cs_new:Nn\__intopdf_escape_string:n{(\pdfescapestring{#1})}
10   }
11   {luatex}{
12     \RequirePackage{pdftexcmds}
13     \cs_new:Nn\__intopdf_escape_name:n{\pdf@escapename{#1}}
14     \cs_new:Nn\__intopdf_escape_string:n{(\pdf@escapestring{#1})}
15   }
16 }{
17   \msg_critical:nn{intopdf}{engine-unsupported}
18 }
```

\attachandlink   The main functionality.

\intopdf_attach_link:nnnnn
\intopdf_attach_link:nnnn

```
19 \cs_new_protected:Nn\intopdf_attach_link:nnnnn{
20   \pdf_object_now:nx {fstream} { {
21     /Subtype /\__intopdf_escape_name:n { #3 }
22   } { #2 } }
23   \pdf_object_now:nx {dict} {
24     /Type /Filespec
25     /F \__intopdf_escape_string:n { #1 }
26     /EF << /F~\pdf_object_last: >>
27     /Desc \__intopdf_escape_string:n { #4 }
28   }
29   \__pdf_backend_link_begin_user:nnw {
30     \Hy@setpdfborder
31     \tl_if_empty:NF\@pdfhighlight{
32       /H\@pdfhighlight
33     }
34     \cs_if_free:NF\@urlbordercolor{
35       /C[\@urlbordercolor]
36     }
37   }{
38     /Subtype /Link
39   }
40     \__pdf_backend_link_begin_user:nnw { } {
41       /Subtype /FileAttachment
42       /FS~\pdf_object_last:
43       /F~416
44       /CA~0
45       /Contents \__intopdf_escape_string:n{#4}
46     }
47       #5
48     \__pdf_backend_link_end:
49   \__pdf_backend_link_end:
50 }
51 \cs_new_protected:Npn \intopdf_attach_link:nnnn #1{
52   \intopdf_attach_link:nnnnn{#1}{#1}
53 }
54 \NewDocumentCommand\attachandlink{O{#2}mr[]mm}{
55   \intopdf_attach_link:nnnnn{#1}{#2}{#3}{#4}{#5}
56 }
```

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(End definition for `\attachandlink`, `\intopdf_attach_link:nnnnn`*, and* `\intopdf_attach_link:nnnn`*. These functions are documented on page 1.)*

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Change History