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. Currently only pdfLATEX is supported, LuaLATEX support will follow.

1   Usage

`\attachandlink` `\attachandlink {⟨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.

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⟩

First some wrappers for the pdfTEXprimitives are defined.
```
2 \cs_new_eq:NN\__intopdf_escape_name:n\pdfescapename
3 \cs_new_eq:NN\__intopdf_escape_string:n\pdfescapestring
4 \cs_new:Nn\__intopdf_pdfobj:n{
5   \tex_immediate:D\pdftex_pdfobj:D{<<#1>>}
6 }
7 \cs_new:Nn\__intopdf_pdfstream_file:nn{
```

---

*This document corresponds to **intopdf** 0.0.1, dated 2018/03/13.

```
8    \tex_immediate:D\pdftex_pdfobj:D stream attr {#1} file {#2}
9  }
10 \cs_new:Nn\__intopdf_lastobj_ref:{
11    \c_space_tl
12    \int_use:N\pdftex_pdflastobj:D
13    \c_space_tl
14    0
15    \c_space_tl
16    R
17 }
18 \cs_new:Npn\__intopdf_annot:nnw#1#2{
19    \leavevmode
20    \pdftex_pdfstartlink:D attr{#1} user {#2}
21 }
22 \cs_new:Nn\__intopdf_annot_end:{
23    \pdftex_pdfendlink:D
24 }
25 \cs_new:Nn\__intopdf_annot:nnn{
26    \__intopdf_annot:nnw{#1}{#2}
27    #3
28    \__intopdf_annot_end:
29 }
```

\intopdf_attach_link:nnnn   The main functionality.
\attachandlink

```
30 \cs_new_protected:Nn\intopdf_attach_link:nnnn{
31    \__intopdf_pdfstream_file:nn{
32      /Subtype /\__intopdf_escape_name:n{#2}
33    }{#1}
34    \__intopdf_pdfobj:n{
35      /Type /Filespec
36      /F (\__intopdf_escape_string:n{#1})
37      /EF << /F \__intopdf_lastobj_ref: >>
38      /Desc (\__intopdf_escape_string:n{#3})
39    }%
40    \__intopdf_annot:nnn{
41      \Hy@setpdfborder
42      \tl_if_empty:NF\@pdfhighlight{
43        /H\@pdfhighlight
44      }
45      \cs_if_free:NF\@urlbordercolor{
46        /C[\@urlbordercolor]
47      }
48    }{
49      /Subtype /Link
50    }{
51      \__intopdf_annot:nnn{}{
52        /Subtype /FileAttachment
53        /FS \__intopdf_lastobj_ref:
54        /F\c_space_tl 416
55        /CA\c_space_tl 0
56        /Contents (\__intopdf_escape_string:n{#3})
57      }{
58        #4
59      }
60    }
```

```
61 }
62 \cs_new_protected:Npn\attachandlink#1[#2]#3#4{
63    \intopdf_attach_link:nnnn{#1}{#2}{#3}{#4}
64 }
```

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

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The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.