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.

1 Usage

The text $\langle link \ text \rangle$ is inserted, linking to the file $\langle filename \rangle$ which is attached to the document.

 $\langle Description \rangle$ 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. $\langle mime-tupe \rangle$ should be the MIME-Type of $\langle filename \rangle$. Currently $\langle mime-tupe \rangle$ is manda-

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

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)

\attachandlink

andlink The main functionality.

^{*}This document corresponds to intopdf 0.4.1, dated 2022/07/21.

```
6 \cs_new_protected:Nn\intopdf_attach_link:nnnnn{
    \leavevmode
    \str_set_convert:Nnnn \l__intopdf_mime_str { #3 } { default } { utf8/name }
    \pdf_object_unnamed_write:nx {fstream} { {
      /Subtype /\l__intopdf_mime_str
    } { #2 } }
    \str_set_convert: Nnnn \l__intopdf_filename_str { #1 } { default } { utf8/string }
    \str_set_convert: Nnnn \l__intopdf_filename_unicode_str { #1 } { default } { utf16/string }
    \str_set_convert:Nnnn \l__intopdf_description_str { #4 } { default } { utf16/string }
    \pdf_object_unnamed_write:nx {dict} {
      /Type /Filespec
      /F (\l__intopdf_filename_str)
      /UF (\l__intopdf_filename_unicode_str)
18
      /EF << /F~\pdf_object_ref_last: >>
19
      /Desc (\l__intopdf_description_str)
20
    \__pdf_backend_link_begin_user:nnw {
22
      \Hy@setpdfborder
23
      \tl_if_empty:NF\@pdfhighlight{
24
        /H\@pdfhighlight
      \cs_if_free:NF\@urlbordercolor{
        /C[\@urlbordercolor]
28
29
    }{
30
31
      /Subtype /Link
    }
32
      \__pdf_backend_link_begin_user:nnw { } {
33
        /Subtype /FileAttachment
34
        /FS~\pdf_object_ref_last:
        /F~416
36
        /CA~O
37
        /Contents (\l__intopdf_description_str)
38
39
40
      \__pdf_backend_link_end:
41
    \__pdf_backend_link_end:
42
43 }
44 \cs_new_protected:Npn \intopdf_attach_link:nnnn #1{
    \intopdf_attach_link:nnnnn{#1}{#1}
46 }
47 \NewDocumentCommand\attachandlink{0{#2}mr[]mm}{
    \intopdf_attach_link:nnnnn{#1}{#2}{#3}{#4}{#5}
```

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

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Change History	
v0.0.1	internal functions from 13backend
General: Initial version 1	are needed too for handling links. 1
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$\ \ \ \ \ \ \ \ \ \ \ \ \ $	\intopdf_attach_link:nnnn: Update
filespec support. (The first	to new 13pdf names and support
optional argument) Added	more engines
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	-
v0.3.0	v0.4.1
\intopdf_attach_link:nnnn:	\intopdf_attach_link:nnnn:
Switched to 13pdf instead of using	Properly separate legacy and
primitives directly. Currently some	Unicode filenames 1