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 pdfIATEX and LuaIATEX are supported.

1 Usage

\attachandlink

 $\label{link} $$ (filespec) $$ (filename) $$ (mime-type) $$ (Description) $$ (link text) $$ (attachandlink (filespec)) $$ (filespec) $$ (mime-type) $$ (description) $$ (description)$

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. $\langle mime-type \rangle$ 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

 $_{1}$ $\langle @@=intopdf \rangle$

Only pdfTEX and LuaIATEX 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.

^{*}This document corresponds to intopdf 0.2.1, dated 2019/05/28.

```
5 \cs_generate_variant:Nn\str_case:nnF{VnF}
                 6 \str_case:VnF\c_sys_engine_str{
                     {pdftex}{
                       \cs_new: Nn\__intopdf_escape_name:n{\pdfescapename{#1}}
                       \cs_new:Nn\__intopdf_escape_string:n{(\pdfescapestring{#1})}
                     }
                10
                11
                       \RequirePackage{pdftexcmds}
                       \verb|\cs_new:Nn\__intopdf_escape_name:n{\pdf@escapename{#1}}|
                       \cs_new:Nn\__intopdf_escape_string:n{(\pdf@escapestring{#1})}
                     }
                15
                16 }{
                     \msg_critical:nn{intopdf}{engine-unsupported}
                17
                18 }
\attachandlink The main functionality.
                19 \cs_new_protected:Nn\intopdf_attach_link:nnnnn{
                     \driver_pdf_object_now:nx {fstream} { {
                       /Subtype /\__intopdf_escape_name:n { #3 }
                     } { #2 } }
                22
                     \driver_pdf_object_now:nx {dict} {
                23
                       /Type /Filespec
                24
                       /F \__intopdf_escape_string:n { #1 }
                25
                       /EF << /F~\driver_pdf_object_last: >>
                       /Desc \__intopdf_escape_string:n { #4 }
                     7
                28
                     \driver_pdf_link_begin_user:nnw {
                29
                       \Hy@setpdfborder
                30
                       \tl_if_empty:NF\@pdfhighlight{
                31
                         /H\@pdfhighlight
                32
                33
                       \cs_if_free:NF\@urlbordercolor{
                34
                         /C[\@urlbordercolor]
                35
                36
                     }{
                37
                       /Subtype /Link
                39
                     }
                       \driver_pdf_link_begin_user:nnw { } {
                40
                         /Subtype /FileAttachment
                41
                         /FS~\driver_pdf_object_last:
                42
                         /F~416
                43
                44
                         /Contents \__intopdf_escape_string:n{#4}
                45
                46
                       \driver_pdf_link_end:
                     \driver_pdf_link_end:
                49
                50 }
                   \cs_new_protected:Npn \intopdf_attach_link:nnnn #1{
                51
                     \intopdf_attach_link:nnnnn{#1}{#1}
                52
                53 }
                54 \NewDocumentCommand\attachandlink{0{#2}mr[]mm}{
                     \intopdf_attach_link:nnnnn{#1}{#2}{#3}{#4}{#5}
                55
```

\intopdf_attach_link:nnnnn

\intopdf_attach_link:nnnn

56 }

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Change History

| v0.0.1 | v0.2.0 |
|--|----------------------------------|
| General: Initial version 1 | \intopdf_attach_link:nnnn: Added |
| v0.1.0 | filespec support. (The first |
| | optional argument) Added |
| General: Added Lual $^{\perp}$ TeX support 1 | \intopdf_attach_link:nnnnn 2 |