

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 T_EXStack Exchange question [Embed non-PDF files \(e.g., BibTeX\) into PDF with hyperlink in the PDF](#). The engines pdfL^AT_EX and LuaL^AT_EX are supported.

1 Usage

<code>\attachandlink</code>	<code>\attachandlink [<i><filespec></i>]{<i><filename></i>}[<i><mime-type></i>]{<i><Description></i>}{<i><link text></i>}</code>
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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 attached 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 pdfT_EX and LuaL^AT_EX are supported. For other engines we show an error.

```
2 \cs_generate_variant:Nn\str_case:nnF{VnF}
3 \str_case:VnF\c_sys_engine_str{
4   {pdftex}{
5     \cs_new:Nn\__intopdf_escape_name:n{\pdfescapename{#1}}}
```

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

```

6   \cs_new:Nn\__intopdf_escape_string:n{(\pdfescapestring{#1})}
7   }
8   {luatex}{
9     \RequirePackage{pdftexcmds}
10    \cs_new:Nn\__intopdf_escape_name:n{(\pdf@escapename{#1})}
11    \cs_new:Nn\__intopdf_escape_string:n{(\pdf@escapestring{#1})}
12  }
13 }{
14   \msg_critical:nn{intopdf}{engine-unsupported}
15 }

```

\attachandlink The main functionality.

```

\intopdf_attach_link:nnnnn 16 \cs_new_protected:Nn\intopdf_attach_link:nnnnn{
\intopdf_attach_link:nnnn 17   \driver_pdf_object_now:nx {fstream} { {
18     /Subtype /\__intopdf_escape_name:n { #3 }
19   } { #2 } }
20   \driver_pdf_object_now:nx {dict} {
21     /Type /Filespec
22     /F \__intopdf_escape_string:n { #1 }
23     /EF << /F~\driver_pdf_object_last: >>
24     /Desc \__intopdf_escape_string:n { #4 }
25   }
26   \driver_pdf_link_begin_user:nnw {
27     \Hy@setpdfborder
28     \tl_if_empty:NF\@pdfhighlight{
29       /H\@pdfhighlight
30     }
31     \cs_if_free:NF\@urlbordercolor{
32       /C[\@urlbordercolor]
33     }
34   }{
35     /Subtype /Link
36   }
37   \driver_pdf_link_begin_user:nnw { } {
38     /Subtype /FileAttachment
39     /FS~\driver_pdf_object_last:
40     /F~416
41     /CA~0
42     /Contents \__intopdf_escape_string:n{#4}
43   }
44   #5
45   \driver_pdf_link_end:
46   \driver_pdf_link_end:
47 }
48 \cs_new_protected:Npn \intopdf_attach_link:nnnn #1{
49   \intopdf_attach_link:nnnnn{#1}{#1}
50 }
51 \NewDocumentCommand\attachandlink{0{#2}mr[]mm}{
52   \intopdf_attach_link:nnnnn{#1}{#2}{#3}{#4}{#5}
53 }

```

(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

v0.0.1	
General: Initial version	<i>1</i>
v0.1.0	
General: Added LuaL ^A T _E X support . . .	<i>1</i>
v0.2.0	
<code>\intopdf_attach_link:nnnn</code> : Added	
filespec support. (The first	
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