The l3pdf package
Core PDF support

The LaTeX3 Project[*]

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1 l3pdf documentation

1.1 Objects

\pdf_object_new:nn

New: 2019-06-02

\pdf_object_new:nn {⟨*object*⟩} {⟨*type*⟩}

Declares ⟨*object*⟩ as a PDF object of ⟨*type*⟩, which should be one of

- array
- dict
- fstream
- stream

The object may be referenced from this point on, and written later using \pdf_object_-write:nn.

\pdf_object_write:nn
\pdf_object_write:nx

New: 2019-06-02

\pdf_object_write:nn {⟨*object*⟩} {⟨*content*⟩}

Writes the ⟨*content*⟩ as content of the ⟨*object*⟩. Depending on the ⟨*type*⟩ declared for the object, the format required for the ⟨*data*⟩ will vary

array A space-separated list of values

dict Key–value pairs in the form /⟨*key*⟩ ⟨*value*⟩

fstream Two brace groups: ⟨*file name*⟩ and ⟨*file content*⟩

stream Two brace groups: ⟨*attributes (dictionary)*⟩ and ⟨*stream contents*⟩

\pdf_object_ref:n ⋆

New: 2019-06-02

\pdf_object_ref:n {⟨*object*⟩}

Inserts the appropriate information to reference the ⟨*object*⟩ in for example page resource allocation

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| `\pdf_object_now:nn` | `\pdf_object_now:nn {`⟨type⟩`} {`⟨content⟩`}` |
| `\pdf_object_now:nx` | |

New: 2019-06-02

Writes the ⟨*content*⟩ as content of an anonymous object. Depending on the ⟨*type*⟩, the format required for the ⟨*data*⟩ will vary

array A space-separated list of values

dict Key–value pairs in the form `/`⟨key⟩ ⟨value⟩

fstream Two brace groups: ⟨*file name*⟩ and ⟨*file content*⟩

stream Two brace groups: ⟨*attributes (dictionary)*⟩ and ⟨*stream contents*⟩

`\pdf_object_last:` ⋆

`\pdf_object_last:`

New: 2019-06-02

Inserts the appropriate information to reference the last ⟨*object*⟩ created. This is particularly useful for anonymous objects.

1.2 Version

`\pdf_version_compare_p:Nn` ⋆
`\pdf_version_compare:NnTF` ⋆

`\pdf_version_compare:NnTF` ⟨comparator⟩ `{`⟨version⟩`}` `{`⟨true code⟩`}` `{`⟨false code⟩`}`

New: 2019-06-02

Compares the version of the PDF being created with the ⟨*version*⟩ string specified, using the ⟨*comparator*⟩. Either the ⟨*true code*⟩ or ⟨*false code*⟩ will be left in the output stream.

`\pdf_version_gset:n`
`\pdf_version_min_gset:n`

`\pdf_version_gset:n {`⟨version⟩`}`

New: 2019-06-02

Sets the ⟨*version*⟩ of the PDF being created. The `min` version will not alter the output version unless it is currently lower than the ⟨*version*⟩ requested.

This function may only be used up to the point where the PDF file is initialised.

`\pdf_version:` ⋆
`\pdf_version_major:` ⋆
`\pdf_version_minor:` ⋆

`\pdf_version:`

New: 2019-06-02

Expands to the currently-active PDF version.

1.3 Compression

`\pdf_uncompress:`

`\pdf_uncompress:`

New: 2019-06-02

Disables any compression of the PDF, where possible.

This function may only be used up to the point where the PDF file is initialised.

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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.