

The l3pdf package Core PDF support

The L^AT_EX3 Project*

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1 l3pdf documentation

1.1 Objects

`\pdf_object_new:nn`

New: 2019-06-02

`\pdf_object_new:nn` $\langle object \rangle$ $\langle type \rangle$

Declares $\langle object \rangle$ as a PDF object of $\langle type \rangle$, 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_if_exist_p:n` *
`\pdf_object_if_exist:nTF` *

New: 2020-05-15

`\pdf_object_if_exist_p:n` $\langle object \rangle$

`\pdf_object_if_exist:nTF` $\langle object \rangle$

Tests whether an object with name $\langle object \rangle$ has been defined.

`\pdf_object_write:nn`

`\pdf_object_write:nx`

New: 2019-06-02

`\pdf_object_write:nn` $\langle object \rangle$ $\langle content \rangle$

Writes the $\langle content \rangle$ as content of the $\langle object \rangle$. Depending on the $\langle type \rangle$ declared for the object, the format required for the $\langle data \rangle$ will vary

`array` A space-separated list of values

`dict` Key–value pairs in the form $/\langle key \rangle \langle value \rangle$

`fstream` Two brace groups: $\langle file name \rangle$ and $\langle file content \rangle$

`stream` Two brace groups: $\langle attributes (dictionary) \rangle$ and $\langle stream contents \rangle$

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<code>\pdf_object_ref:n</code> *	<code>\pdf_object_ref:n</code> { <i>object</i> }
<small>New: 2019-06-02</small>	Inserts the appropriate information to reference the <i>object</i> in for example page resource allocation

<code>\pdf_object_now:nn</code>	<code>\pdf_object_now:nn</code> { <i>type</i> } { <i>content</i> }
<code>\pdf_object_now:nx</code>	Writes the <i>content</i> as content of an anonymous object. Depending on the <i>type</i> , the format required for the <i>data</i> will vary
<small>New: 2019-06-02</small>	

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*

<code>\pdf_object_last:</code> *	<code>\pdf_object_last:</code>
<small>New: 2019-06-02</small>	Inserts the appropriate information to reference the last <i>object</i> created. This is particularly useful for anonymous objects.

1.2 Version

<code>\pdf_version_compare_p:Nn</code> *	<code>\pdf_version_compare:NnTF</code> <i>comparator</i> { <i>version</i> } { <i>true code</i> } { <i>false code</i> }
<code>\pdf_version_compare:NnTF</code> *	<i>code</i> }
<small>New: 2019-06-02</small>	

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.

<code>\pdf_version_gset:n</code>	<code>\pdf_version_gset:n</code> { <i>version</i> }
<code>\pdf_version_min_gset:n</code>	Sets the <i>version</i> of the PDF being created. The <i>min</i> version will not alter the output version unless it is currently lower than the <i>version</i> requested.
<small>New: 2019-06-02</small>	This function may only be used up to the point where the PDF file is initialised.

<code>\pdf_version:</code> *	<code>\pdf_version:</code>
<code>\pdf_version_major:</code> *	Expands to the currently-active PDF version.
<code>\pdf_version_minor:</code> *	
<small>New: 2019-06-02</small>	

1.3 Compression

<code>\pdf_uncompress:</code>	<code>\pdf_uncompress:</code>
<small>New: 2019-06-02</small>	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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