

The l3pdf package Core PDF support

The L^AT_EX3 Project*

Released 2019-09-19

1 l3pdf documentation

1.1 Objects

<hr/> <code>\pdf_object_new:nn</code> <hr/> <div>New: 2019-06-02</div>	<code>\pdf_object_new:nn {<object>} {<type>}</code> Declares <i><object></i> as a PDF object of <i><type></i> , which should be one of <ul style="list-style-type: none">• <code>array</code>• <code>dict</code>• <code>fstream</code>• <code>stream</code> The object may be referenced from this point on, and written later using <code>\pdf_object_write:nn</code> .
<hr/> <code>\pdf_object_write:nn</code> <code>\pdf_object_write:nx</code> <hr/> <div>New: 2019-06-02</div>	<code>\pdf_object_write:nn {<object>} {<content>}</code> Writes the <i><content></i> as content of the <i><object></i> . Depending on the <i><type></i> declared for the object, the format required for the <i><data></i> will vary <ul style="list-style-type: none"><code>array</code> A space-separated list of values<code>dict</code> Key-value pairs in the form <i>/<key> <value></i><code>fstream</code> Two brace groups: <i><file name></i> and <i><file content></i><code>stream</code> Two brace groups: <i><attributes (dictionary)></i> and <i><stream contents></i>
<hr/> <code>\pdf_object_ref:n *</code> <hr/> <div>New: 2019-06-02</div>	<code>\pdf_object_ref:n {<object>}</code> Inserts the appropriate information to reference the <i><object></i> in for example page resource allocation

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<hr/> <code>\pdf_object_now:nn</code> <hr/>	<code>\pdf_object_now:nn {<type>} {<content>}</code>
<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
<hr/> New: 2019-06-02 <hr/>	

`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>*

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

1.2 Version

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

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.

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

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

1.3 Compression

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

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\pdf_object_now:nn	<i>2</i>
\pdf_object_ref:n	<i>1</i>
\pdf_object_write:nn	<i>1, 1</i>
\pdf_uncompress:	<i>2</i>
\pdf_version:	<i>2</i>
\pdf_version_compare:NnTF	<i>2</i>
\pdf_version_compare_p:Nn	<i>2</i>
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