

The l3pdf package Core PDF support

The L^AT_EX3 Project*

Released 2020-01-12

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

<code>\pdf_object_now:nn</code>	<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
New: 2019-06-02	

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

<code>\pdf_version_gset:n</code>	<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.
New: 2019-06-02	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>	*	
<hr/>		
New: 2019-06-02		

1.3 Compression

<code>\pdf_uncompress:</code>	<code>\pdf_uncompress:</code>
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.

Index

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.

P	
pdf commands:	
\pdf_object_last:	<i>2</i>
\pdf_object_new:nn	<i><u>1</u></i>
\pdf_object_now:nn	<i>2</i>
\pdf_object_ref:n	<i><u>1</u></i>
\pdf_object_write:nn	<i><u>1</u>, <u>1</u></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>
\pdf_version_gset:n	<i>2</i>
\pdf_version_major:	<i>2</i>
\pdf_version_min_gset:n	<i>2</i>
\pdf_version_minor:	<i>2</i>