

# The l3pdf package Core PDF support

The L<sup>A</sup>T<sub>E</sub>X3 Project\*

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## 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 {&lt;object&gt;} {&lt;type&gt;}</code> <p>Declares <i>&lt;object&gt;</i> as a PDF object of <i>&lt;type&gt;</i>, which should be one of</p> <ul style="list-style-type: none"><li>• <code>array</code></li><li>• <code>dict</code></li><li>• <code>fstream</code></li><li>• <code>stream</code></li></ul> <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 {&lt;object&gt;} {&lt;content&gt;}</code> <p>Writes the <i>&lt;content&gt;</i> as content of the <i>&lt;object&gt;</i>. Depending on the <i>&lt;type&gt;</i> declared for the object, the format required for the <i>&lt;data&gt;</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>/&lt;key&gt; &lt;value&gt;</i></p> <p><code>fstream</code> Two brace groups: <i>&lt;file name&gt;</i> and <i>&lt;file content&gt;</i></p> <p><code>stream</code> Two brace groups: <i>&lt;attributes (dictionary)&gt;</i> and <i>&lt;stream contents&gt;</i></p>
<hr/> <code>\pdf_object_ref:n *</code> <hr/> <div>New: 2019-06-02</div>	<code>\pdf_object_ref:n {&lt;object&gt;}</code> <p>Inserts the appropriate information to reference the <i>&lt;object&gt;</i> in for example page resource allocation</p> <hr/> <p>*E-mail: <a href="mailto:latex-team@latex-project.org">latex-team@latex-project.org</a></p>

<code>\pdf_object_now:nn</code>	<code>\pdf_object_now:nn {&lt;type&gt;} {&lt;content&gt;}</code>
<code>\pdf_object_now:nx</code>	Writes the <i>&lt;content&gt;</i> as content of an anonymous object. Depending on the <i>&lt;type&gt;</i> , the format required for the <i>&lt;data&gt;</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>&lt;object&gt;</i> created. This is particularly useful for anonymous objects.

## 1.2 Version

<code>\pdf_version_compare_p:Nn *</code>	<code>\pdf_version_compare:NnTF &lt;comparator&gt; {&lt;version&gt;} {&lt;true code&gt;} {&lt;false code&gt;}</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 {&lt;version&gt;}</code>
<code>\pdf_version_min_gset:n</code>	Sets the <i>&lt;version&gt;</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>&lt;version&gt;</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>	
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.

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