

# The ltdocinit module

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

Version 0.96t, released 2025-06-29

## 1 ltdocinit documentation

This small module previously defined `\DocumentMetadata` but the definition has been moved to latex-lab. The documentation can be found in `documentmetadata-support-doc.pdf`

`\DocumentMetadata` is also used to activate the new PDF management code and it loads a number of required files for the PDF management code. As this forces the loading of the backend files, a backend which can't be detected automatically like `dvipdfmx`, must be set in the first `\DocumentMetadata`.

The module also defines commands to store document properties in a global container.

This module will slowly disappear.

### 1.1 Container for document properties

The module provides a container where classes, packages and users can store properties of the document which are perhaps of interest or use for other packages or the author.

The properties are stored with a key `label/property`. The values can be retrieved expandably.

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`\AddToDocumentProperties` `\AddToDocumentProperties[label]{property}{value}`

This stores `<value>` under the key `<label>/<property>`. By default `<label>` is the current package name `\@currname`. If another label is chosen, it should be one which avoids clashes with other packages using the container. The label `document` is reserved.

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`\GetDocumentProperty` `\GetDocumentProperty{label/property}`  
`\pdfmanagement_get_documentproperty:n` `\pdfmanagement_get_documentproperty:n{label/property}`

Updated: 2025-06-21

Expands to the `<value>` corresponding to `<label/property>` in the container. If `<label/property>` is missing, this has an empty expansion. The result is returned within `\exp_not:n`, which means that the `<value>` does not expand further when appearing in an x-type argument expansion. The older names `\GetDocumentProperties` and `\pdfmanagement_get_documentproperties:n` are still provided for compatibility.

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<code>\pdfmanagement_get_documentproperty:nNTF</code>	<code>\pdfmanagement_get_documentproperty:nNTF{&lt;label/property&gt;} &lt;token list variable&gt;</code>
Updated: 2025-06-21	<code>{&lt;true code&gt;} {&lt;false code&gt;}</code>

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If the `<label/property>` is not present in the document properties container, leaves the `<false code>` in the input stream. The value of the `<token list variable>` is not defined in this case and should not be relied upon. If the `<label/property>` is present in the container, stores the corresponding `<value>` in the `<token list variable>` without removing it from the container, then leaves the `<true code>` in the input stream. The `<token list variable>` is assigned locally. The older name `\pdfmanagement_get_documentproperty:nN` is still provided for compability.

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<code>\ShowDocumentProperties</code>	<code>\ShowDocumentProperties</code>
<code>\LogDocumentProperties</code>	<code>\LogDocumentProperties</code>

---

This shows/logs the current content of the container.

## References

- [1] Frank Mittelbach and Chris Rowley: *L<sup>A</sup>T<sub>E</sub>X Tagged PDF — A blueprint for a large project*. <https://latex-project.org/publications/indexbyyear/2020/>

## 2 ltdocinit implementation

```

1 <@@=pdfmanagement>
2 <*header>
3 \ProvidesExplPackage{ltdocinit}{2025-06-29}{0.96t}
4   {Initialize document metadata}
5 </header>

6 <*package>

```

### 2.1 Variables

This variable definitions can be remove once latex-lab has been updated to provide them too.

`\g_pdfmanagement_firstaidoff_clist` A list to store the firstaid code which should be disabled

```

7 \clist_if_exist:NF \g_pdfmanagement_firstaidoff_clist
8   { \clist_new:N \g_pdfmanagement_firstaidoff_clist }

```

(End of definition for `\g_pdfmanagement_firstaidoff_clist`.)

### 2.2 Container for document Properties

The container for the document properties is a prop

`\g_pdfmanagement_documentproperties_prop`

```

9 \prop_new:N \g_pdfmanagement_documentproperties_prop %

```

(End of definition for `\g_pdfmanagement_documentproperties_prop`.)

## `\AddToDocumentProperties`

```
10 \NewDocumentCommand\AddToDocumentProperties{0{\@currname}mm}
11 {
12   \exp_args:NNe
13     \prop_gput:Nnn \g__pdfmanagement_documentproperties_prop
14     {
15       \tl_if_blank:eTF {#1}{top-level/}{#1/} #2
16     }
17     { #3}
18 }
```

*(End of definition for `\AddToDocumentProperties`. This function is documented on page 1.)*

## `\GetDocumentProperty` `\GetDocumentProperties`

```
19 \cs_new:Npn\GetDocumentProperty #1
20 {
21   \prop_item:Nn \g__pdfmanagement_documentproperties_prop {#1}
22 }
23 \cs_new_eq:NN\GetDocumentProperties\GetDocumentProperty
```

*(End of definition for `\GetDocumentProperty` and `\GetDocumentProperties`. These functions are documented on page 1.)*

For uses in modules (e.g. `l3pdfmeta`) we provide an `expl3` version without the `xparse` overhead:

## `\pdfmanagement_get_documentproperty:n`

```
24 \cs_new:Npn\pdfmanagement_get_documentproperty:n #1
25 {
26   \prop_item:Nn \g__pdfmanagement_documentproperties_prop {#1}
27 }
28 \cs_new_eq:NN
29   \pdfmanagement_get_documentproperties:n
30   \pdfmanagement_get_documentproperty:n
```

*(End of definition for `\pdfmanagement_get_documentproperty:n`. This function is documented on page 1.)*

The following allows to retrieve the values with branching.

## `\pdfmanagement_get_documentproperty:nTF`

```
31 \prg_new_protected_conditional:Npnn
32   \pdfmanagement_get_documentproperty:nN #1#2 { T , F , TF }
33   {
34     \prop_get:NnNTF \g__pdfmanagement_documentproperties_prop {#1} #2
35     {
36       \prg_return_true:
37     }
38     {
39       \prg_return_false:
40     }
41   }
```

```

42 \prg_new_eq_conditional:NNn
43 \pdfmanagement_get_documentproperties:nN
44 \pdfmanagement_get_documentproperty:nN
45 { T , F , TF }

```

(End of definition for `\pdfmanagement_get_documentproperty:nNTF`. This function is documented on page 2.)

## `\ShowDocumentProperties`

```

46 \msg_new:nnn { pdfmanagement } { show-properties }
47 {
48   The-following-document-properties~have~been~stored:
49   #1
50 }
51 \NewDocumentCommand\ShowDocumentProperties {}
52 {
53   \msg_show:nne {pdfmanagement}{show-properties}
54   {
55     \prop_map_function:NN \g__pdfmanagement_documentproperties_prop \msg_show_item:nn
56   }
57 }
58 \NewDocumentCommand\LogDocumentProperties {}
59 {
60   \msg_log:nne {pdfmanagement}{show-properties}
61   {
62     \prop_map_function:NN \g__pdfmanagement_documentproperties_prop \msg_show_item:nn
63   }
64 }

```

(End of definition for `\ShowDocumentProperties`. This function is documented on page 2.)

```
65 </package>
```

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