

The latex-lab-testphase-new-or-2 code

Frank Mittelbach, L^AT_EX Project

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Abstract

This code implements changes to the output routine intended to be moved in the L^AT_EX kernel at some point in the future.

1 Introduction

2 The Implementation

1 (*package)

2.1 File declaration

```
2 \ProvidesPackage{latex-lab-testphase-new-or-2}
3     [\ltxlabneworIIdate\space v\ltxlabneworIIversion\space
4     Changes to the output routine]
```

2.2 \@makecol reimplementaion

footnote-floats (*plug*) If \DocumentMetadata is used we use footnote-floats as the default. In 2e compatibility mode this should be changed to footnote-floats-legacy.

```
5 \AssignSocketPlug {build/column/outputbox}{footnote-floats}
```

\@makecol@handlesplitfootnotes
\@makecol@splitfootnotemessagehook

This is only an early draft and doesn't do much. Contains incomplete preparation for tagging commented out.

TODO: Interfaces and code will change in the future

```
6 \def\@makecol@handlesplitfootnotes {%
7 %   \ifx\splitfootnote@continuation\@empty \else
8 %     \setbox\footins\ vbox{\splitfootnote@continuation\unvbox\footins}%
9 %     \global\let\splitfootnote@continuation\@empty
10 %   \fi
11   \ifnum\insertpenalties>\z@
12     \@makecol@splitfootnotemessagehook
13 %   \setbox\footins\ vbox{\unvbox\footins --- END at split}%
14 %   \gdef\splitfootnote@continuation  {--- START after split}%
15   \fi
16 }
17 %\def\splitfootnote@continuation{}
```

This could issue warning if split footnotes are encountered.

```
18 \let \@makecol@splitfootnotemessagehook \@empty
```

(End of definition for \@makecol@handlesplitfootnotes and \@makecol@splitfootnotemessagehook. These functions are documented on page ??.)

2.3 \@outputpage reimplementaion

We still have to deal with various plug setting for tagging: This needs documentation and moving.

default (*plug*)

```
19 \ExplSyntaxOn
    TODO: where should these plug declarations go? tagpdf?
20 \NewSocketPlug{tagsupport/build/page/header}{default}
21 {
22   \__tag_hook_kernel_before_head:
23   #2
24   \__tag_hook_kernel_after_head:
25 }
26 \AssignSocketPlug{tagsupport/build/page/header}{default}
```

default (*plug*)

```
27 \NewSocketPlug{tagsupport/build/page/footer}{default}
28 {
29   \__tag_hook_kernel_before_foot:
30   #2
31   \__tag_hook_kernel_after_foot:
32 }
33 \AssignSocketPlug{tagsupport/build/page/footer}{default}
```

default (*plug*)

```
34 \NewSocketPlug{tagsupport/build/column/outputbox}{default}
35 {
36   \__tag_check_typeout_v:n { ==>>~In~\token_to_str:N \@makecol
37   \c_space_tl\the\c@page }
38   \tag_mc_add_missing_to_stream:Nn \@outputbox {main}
39 }
```

default (*plug*)

```
40 \NewSocketPlug{tagsupport/build/column/footins}{default}
41 { \tag_mc_add_missing_to_stream:Nn \footins {footnote} }
The two sockets do nothing (default noop) if we are in lua mode. If not they get the
default assigned
42 \sys_if_engine luatex:F
43 {
44   \AssignSocketPlug{tagsupport/build/column/outputbox}{default}
45   \AssignSocketPlug{tagsupport/build/column/footins}{default}
46 }
47 \ExplSyntaxOff
48
```

3 Replacement for the footmisc package

The replacement for footmisc. If the new code is used, we must replace the package if it is loaded by the user:

```
49 \declare@file@substitution{footmisc.sty}{latex-lab-footmisc.ltx}
```

4 Temp stuff that is related but should go to the kernel

This is the code from `latex-lab-footnotes.dtx`.

```
50 \input{latex-lab-footnotes.ltx}
51 \</package>
```

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.

A		P	
<code>\AssignSocketPlug</code>	5, 26, 33, 44, 45	Plugs:	
D		<code>default</code>	2, 19, 27, 34, 40
<code>\def</code>	6, 17	<code>footnote-floats</code>	5
<code>default (plug)</code>	2, 19, 27, 34, 40	<code>footnotes-floats</code>	1
<code>\DocumentMetadata</code>	1	<code>footnotes-floats-legacy</code>	1
E		<code>noop</code>	2
<code>\else</code>	7	<code>\ProvidesPackage</code>	2
<code>\ExplSyntaxOff</code>	47	S	
<code>\ExplSyntaxOn</code>	19	<code>\setbox</code>	8, 13
F		<code>\space</code>	3
<code>\fi</code>	10, 15	sys commands:	
<code>\footins</code>	8, 13, 41	<code>\sys_if_engine_luatex:TF</code>	42
<code>footnote-floats (plug)</code>	5	T	
<code>footnotes-floats (plug)</code>	1	tag commands:	
<code>footnotes-floats-legacy (plug)</code>	1	<code>\tag_mc_add_missing_to_stream:Nn</code>	
G		38, 41
<code>\gdef</code>	14	tag internal commands:	
<code>\global</code>	9	<code>__tag_check_typeout_v:n</code>	36
I		<code>__tag_hook_kernel_after_foot:</code> . .	31
<code>\ifnum</code>	11	<code>__tag_hook_kernel_after_head:</code> . .	24
<code>\ifx</code>	7	<code>__tag_hook_kernel_before_foot:</code> . .	29
<code>\input</code>	50	<code>__tag_hook_kernel_before_head:</code> . .	22
<code>\insertpenalties</code>	11	\TeX and $\LaTeX 2_{\epsilon}$ commands:	
L		<code>\@empty</code>	7, 9, 18
<code>\let</code>	9, 18	<code>\@makecol</code>	1, 36
<code>\ltxlabneworIIDate</code>	3	<code>\@makecol@handlesplitfootnotes</code> . . .	6
<code>\ltxlabneworIIversion</code>	3	<code>\@makecol@splitfootnotemessagehook</code>	6
N		6
<code>\NewSocketPlug</code>	20, 27, 34, 40	<code>\@outputbox</code>	38
<code>noop (plug)</code>	2	<code>\@outputpage</code>	2
		<code>\c@page</code>	37
		<code>\declare@file@substitution</code>	49
		<code>\splitfootnote@continuation</code>	7, 8, 9, 14, 17
		<code>\z@</code>	11

<code>\the</code>	37		
tl commands:			
<code>\c_space_tl</code>	37		
token commands:			
<code>\token_to_str:N</code>	36		
		U	
			<code>\unvbox</code> 8, 13
		V	
			<code>\vbox</code> 8, 13