

## Crossing page boundaries with multi-line links

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With the publication of `aeb_mlink` dated 2018/04/17 or later comes to ability to create multi-line links that can be made to *break across page boundaries*. Multi-line links (and single line links) that break across page boundaries are not supported by the PDF Specification; therefore, for such a link, we *crack* or *break* the link into two links, the second one is then free to travel to the next page. The updated package introduces several link options (defined in `eforms`) that are only obeyed in `\ml`-type commands.

For example, <sup>L1</sup>Doctor Story <sup>L2</sup>created the acrotex website, the code for the link is,

```
\mlhypertext[\mlcrackat{4}\langle JS-action-not-shown\rangle]
  {Doctor Story created the acrotex website.}
```

The new `\mlcrackat{4}` option tells `aeb_mlink` to break the link after the 4th syllable. If you click on the beginning of the text (on ‘Doctor’) and click on the end (at ‘acrotex’) you’ll see these are two links. I’ve executed `\mlMarksOn`, which marks the beginning of each link.

Now I’ll move this same link to the bottom of the page to break across the page boundary. Shift over a bit to get a page break here: <sup>L3</sup>Doctor Story cre-

<sup>L4</sup>  
[ated the acrotex website.](#) The code for this link is a little different than the first one:

```
\mlhypertext[\mlcrackat{4}\mlhyph{y}\langle JS-action-not-shown\rangle]
  {Doctor Story created the acrotex website.}
```

\mlhyph is another new key, \mlhyph{y} says to hyphenate the break point. The example below shows that hyphenating a break point is not always desired.

Now, we break across the page with no hyphenation.

We shift over near the right margin to get a break there: <sup>L5</sup>[Herr Dr. Prof. D.](#)

<sup>L6</sup>  
**P. Story created the acrotex website.** Here is an instance where hyphenation is not needed. The code is,

```
\mlhypertext[\mlcrackat{4}\mlhyph{y}\langle JS-action-not-shown\rangle]
  {Herr Dr. Prof. D. P. Story created the acrotex website.}
```

## 1. This is a very long section title, used for testing purposes

In this section, the `\mlnameref` command is tested. Using such commands require a few more compilation cycles to bring the reference up to date.

Move to the bottom with you, sir.

At the bottom of the page now, we position near right margin <sup>L7</sup> **This is a**

Section 1: This is a very long section title, used for testing purposes

4

<sup>L8</sup>  
very long section title, used for testing purposes; no prob, ml-link Bob!

`\mlnameref[\mlcrackat{3}]{tst-sec}`

We try the `\mlhref` command. Go to the bottom of the page.

Generate some text so the link breaks across the page: <sup>L9</sup> Off we go to the

<sup>L10</sup>  
`not-so-famous acrotex website`, where you can spend lots of money.

```
\mlhref[\mlcrackat{5}]{http://www.acrotex.net}
  {Off we go to the not-so-famous acrotex website}
```

The last case is `\mlurl`, which is handled differently than `\mlhypertext`, `\mlhref`, `\mlhyperlink`, `\mlnameref`, and `\mlNameref`.

The `aeb_mlink` (also `aeb-mlink`) package can be obtained at <sup>L11</sup><https://ctan>.

<sup>L12</sup>  
[org/pkg/aeb-mlink](https://ctan.org/pkg/aeb-mlink). The markup for this link is,

```
\mlurl[\mlcrackat{3}]{https://ctan.org/pkg/aeb-mlink}
```

Your acrotex distribution (most notably eforms) may need to be updated as well. Go to the CTAN site to obtain the download at <sup>L13</sup><https://ctan.org/pkg/acrotex>.

The distiller log (or ps2pdf) log gives feedback when a link crosses a page boundary, and even suggests the value of the `\crackat` key to use. For example, before cracking the link to the `aeb_mlink` package, the following distiller log entry appeared.

```
!!-----  

Warning:  

The text of mLink11 has crossed a page boundary from page 5 to 6.  

Cross page links are not supported by the PDF Specification.  

This link is not constructed, please fix it.  

Break point is after syllable number 3.  

Use the \mlcrackat{3} option with this link.  

!!-----
```

All seems to work, I can rest my mighty eyes at last.

<sup>L14</sup>  
 Oh yes, I almost forgot the `\mlhyperlink` command, click to jump back to

<sup>L15</sup>  
the designated target. I'll give you a hint, the destination of `\hypertarget` is the word 'sir'. The markup is,

```
\mlhyperlink[\mlcrackat{16}]{sir}{Oh yes, I almost forgot the  
{\mlcs{\mlhyperlink}} command, ... {\mlcs{\hypertarget}} is the  
word 'sir'.}
```

Note that the commands are enclosed in braces so the soul package will handle them properly. See the `aeb_mlink` manual for more details.

Now, I can rest my mighty eyes at last.

dps