

href-ul: L^AT_EX Package That Makes Underscored Links*

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1 Introduction

This package helps you make your hyperlinks underlined, using `\href` command:

Go to Google!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \begin{document}
5 Go to
6   \href{https://google.com}{Google}!
7 \end{document}
```

The package doesn't support line breaking inside the title of the link.
Changing the color of the text also changes the color of the line:

Go to Google!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \usepackage{xcolor}
5 \begin{document}
6 Go to {\color{red}
7   \href{https://google.com}{Google}}!
8 \end{document}
```

Changing the size of the text doesn't change the height of the line:

*The sources are in GitHub at [yegor256/href-ul](https://github.com/yegor256/href-ul)

You can always find anything in Google, but it's better to learn something from a school too!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \begin{document}
5 You can always find \! anything in
6 {\Large \href{https://google.com}{Google}},
7 but \! it's better to learn
8 something \! from a school too!
9 \end{document}
```

With the help of the plain package option, it's possible to avoid underscores:

This link has no underscore: Google.

```
3 \usepackage[plain]{href-ul}
4 \begin{document}
5 This link has no underscore: \!
6 \href{https://google.com}{Google}.
7 \end{document}
```

2 Implementation

First, we process package options:

```
1 \RequirePackage{pgfopts}
2 \pgfkeys{
3 /href/.cd,
4 plain/.store in=\href@plain
5 }
6 \ProcessPgfPackageOptions{/href}
```

Then, we include the ulem package in order to enable underscores:

```
7 \makeatletter
8 \ifdefined\href@plain\else
9 \RequirePackage{ulem}
10 \fi
11 \makeatother
```

Then, we include the hyperref package for PDF hyperlinks:

```
12 \PassOptionsToPackage{hidelinks}{hyperref}
13 \PassOptionsToPackage{hyphens}{url}
14 \RequirePackage{hyperref}
15 \RequirePackage{url}
```

Then, we re-define the default \href command:

```
16 \makeatletter
17 \begingroup
18 \catcode'\$=6
19 \catcode'\#=12
20 \gdef\href@split#1##2##3##4{\%
21 \hyper@link{#1}{#2}{#3}{#4}\%
22 \ifdefined\href@plain#4\else\uline{#4}\fi\%
23 }%
24 \endgroup%
25 }
```

```
26 \endgroup
27 \makeatother
```

Change History

0.4.0	General: Package options processing introduced with a single <code>plain</code> option.	2
0.5.0	General: Enhanced URL breaking functionality to improve handling of long URLs.	2
0.5.1	General: Added text breaking capabilities to the second argument of <code>\href</code> and shifted from <code>u1em</code> to	
	<code>soul</code> package.	2
0.5.2	General: Decided not to use <code>soul</code> package, because it's too fragile, and returned back to <code>u1em</code>	2
v0.2.0	General: Initial version	2
v0.3.0	General: We started using "docshots" package for better rendering of examples.	2

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