

# Package xurl

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## 1 How it works

Package xurl loads package url by default and defines possible url breaks for all alphanumerical characters and = / . : \* - ~ ' "

All arguments which are valid for url can be used. It will be passed to package url. xurl itself has no special optional argument. For more information read the documentation of package url.

## 2 With the original setting from package url

The original behaviour of package url can be obtained by using the macro \useOriginalUrlSetting which should be used inside a group:

```
some text very-long-url-very-long-url-very-long-url-very-long-url-
and another url: https://tex.stackexchange.com/questions/3033/
forcing-linebreaks-in-url/10419?noredirect=
1#comment1021887_10419
```

```
some text very-long-url-very-long-url-very-long-url-very-long-url-
and another url: https://tex.stackexchange.com/questions/3033/
forcing-linebreaks-in-url/10419?noredirect=1#comment1021887_10419
```

```
some text iszv://dsf.tqsdatmtdls.ctm/cudfsdvqfql-ocd/bdcbcfqlf-lcclldh/
cbsntwgqke-esbptb-vvylhy / zkhqnqidf-obedbacpf-lzlal-pxaccqa-gwki . lfof/
and another url: koff://osb.ccdngagkkg.raa/qrkxzvi/dxfsiaa/
xidf-lata-dgdqmhp-uoxdl-vst-vcsbhl-aisdsasih-skl-aezb-fhixvyy-qlachd-achhfc-koe-xgfp-iyplcu-1.
696884
```

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Thanks to Robert Alessi; Ulrike Fischer

### 3 With the setting from package xurl

```
some text very-long-url-very-long-url-ver  
y-long-url-very-long-url-very-long-url- and  
another url: https://tex.stackexchange.com/qu  
estions/3033/forcing-linebreaks-in-url/10419  
?noredirect=1#comment1021887_10419
```

```
some text very-long-url-very-long-url-very-long-url-very-long-url  
-very-long-url- and another url: https://tex.stackexchange.com/ques  
tions/3033/forcing-linebreaks-in-url/10419?noredirect=1#comment102  
1887_10419
```

```
some text iszv://dsf.tqsdatmtdls.ctm/cudfsdvqfql1-ocd/bdcbcfqlf-lcclldh/cbsntwgqk  
e-esbptb-vvylhy/zkhqnqidf-obedbapf-lzlal-pxaccqa-gwki.lfof/ and another url: koff:  
//osb.ccdngagkkg.raa/qrkxzvi/dxfsiaa/xidf-lata-dgdqmp-uoxdl-vst-vcsbhl-aisdsasih-skl-aez  
b-fhixvyy-qqlachd-achhfc-koe-xgfpq-iyplcu-1.696884
```

### 4 Using biblatex

Package biblatex has it's own url handling. If you want the the same behaviour as xurl has, you have to set

```
\setcounter{biburllcpenalty}{100}  
\setcounter{biburlucpenalty}{200}  
\setcounter{biburlnumpenalty}{100}
```

However, if you load xurl *after* biblatex then it is done by default. Compare the following bibliographies. IF you do not want that xurl should set these counters, then load the package *before* biblatex or use the optional argument nobiblatex:

```
\usepackage[...]{biblatex}  
\usepackage[nobiblatex]{xurl}
```

#### With urlbreaks

- [1] *Angaben des BSI für die Algorithmenkataloge der Vorjahre, Empfehlungen zur Wahl der Schlüssellängen*. BSI (Bundesamt für Sicherheit in der Informationstechnik). 2016. URL: [https://www.bundesnetzagentur.de/DE/Service-Funktionen/ElektronischeVertrauensdienste/HinweiseEmpfehlungen/Empfehlungen/Empfehlungen\\_node.html](https://www.bundesnetzagentur.de/DE/Service-Funktionen/ElektronischeVertrauensdienste/HinweiseEmpfehlungen/Empfehlungen/Empfehlungen_node.html).

#### xurl with option nobiblatex

- [1] *Angaben des BSI für die Algorithmenkataloge der Vorjahre, Empfehlungen zur Wahl der Schlüssellängen*. BSI (Bundesamt für Sicherheit in der Informationstechnik). 2016. URL: [https://www.bundesnetzagentur.de/DE/Service-Funktionen/ElektronischeVertrauensdienste/HinweiseEmpfehlungen/Empfehlungen/Empfehlungen\\_node.html](https://www.bundesnetzagentur.de/DE/Service-Funktionen/ElektronischeVertrauensdienste/HinweiseEmpfehlungen/Empfehlungen/Empfehlungen_node.html).