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-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-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 . tqsdatmdtdls . ctm / cudfsdvqfqll-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-qqlachd-achhfc-koe-xgfqp-iyplcu-1.
696884
```

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3 With the setting from package xurl

```
some text very-long-url-very-long-url-very
-long-url-very-long-url-very-long-url- and
another url: https://tex.stackexchange.com/qu
estions/3033/forcing-linebreaks-in-url/104
19?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/questi
ons/3033/forcing-linebreaks-in-url/10419?noredirect=1#comment102188
7_10419
```

```
some text iszv://dsf.tqsdatmdtdls.ctm/cudfsdvqfqll-ocd/bdcbcfqlf-lcclldh/cbsntwgqke-esbpt
b-vvylhy/zkhqnqidf-obedbacpf-lzlal-pxaccqa-gwki.lfof/ and another url: koff://osb.ccdngagk
kg.raa/qrkxzvi/dxfsiaa/xidf-lata-dgdqmhp-uoxdl-vst-vcsbhl-aisdsasih-skl-aezb-fhixvyy-qqlac
hd-achhfc-koe-xgfqp-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/HinweiseEmp`
`fehlungen/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`.