Subject: Allow line-break after '-' sign within a word?
Posted by zsolt on Fri, 02 Aug 2013 14:39:38 GMT
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My problem is, that I have some very long words with multiple '-' signs and I want to allow line breaking after '-' signs.

E. g. I have a word like this: this-is-a-long-word-with-a-lot-of-minus-signs and it would be at the end of a line like:

some text ..... this-is-a-long-word-
with-a-lot-of-minus-signs

So is it possible to change line breaking somhow or is there a non printing character allowing line break within a word?

Or can I change the rendering code? Where can I find this line breaking logic in U++ code?

Subject: Re: Allow line-break after '-' sign within a word?
Posted by dolik.rce on Sat, 03 Aug 2013 06:38:12 GMT
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Hi zsolt,

If you talk about DocEdit, then the responsible code is in DocEdit::Format(const WString& text) const, in CtrlLib/DocEdit.cpp.

I think that you'd just need to add check for '-' in this part:
```
if(*s == ' ' || *s == '\t') {
  space = s;
  spacex = x + cw;
  *s = ' ';
 }
```
I did not try it, but it should be quite straightforward

Best regards,
Honza

Subject: Re: Allow line-break after '-' sign within a word?
Posted by zsolt on Sat, 03 Aug 2013 12:16:34 GMT
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Hello Honza,

thanks for your answer, but I forgot to mention that I need this in Qtf-based printing (Report).

Subject: Re: Allow line-break after '-' sign within a word?
Posted by zsolt on Tue, 06 Aug 2013 12:36:50 GMT
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As a workaround, I replaced every '-' characters to: -[+1]
So after every '-' chars there are very small sized spaces and breaking words are correct now.

Subject: Re: Allow line-break after '-' sign within a word?
Posted by Sender Ghost on Tue, 06 Aug 2013 17:21:16 GMT
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Hello, Zsolt.
zsolt wrote on Fri, 02 August 2013 16:39So is it possible to change line breaking somehow or is there a non printing character allowing line break within a word?

Or can I change the rendering code? Where can I find this line breaking logic in U++ code?
You could find "line breaking logic" for U++ RichText inside of RichPara::FormatLines method.
To allow line breaks for '-' character, it is possible to change (for your local copy of RichText package) following line of code:

```
  if(*s == ' ') {
```

to:

```
  if(*s == ' ' || *s == '-') {
```

The diff file attached, just in case.

File Attachments
1) RichText.diff, downloaded 477 times

Subject: Re: Allow line-break after '-' sign within a word?
Posted by zsolt on Tue, 06 Aug 2013 18:35:01 GMT
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It is working. Thanks!

Maybe it would be a good idea to apply this change to the SVN version as well. Hm?

Subject: Re: Allow line-break after '-' sign within a word?
Posted by Sender Ghost on Tue, 06 Aug 2013 20:03:15 GMT
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zsolt wrote on Tue, 06 August 2013 20:35Maybe it would be a good idea to apply this change to

the SVN version as well. Hm?
As far as I know, not all words with hyphen character must be line-break, especially for languages different than english, while RichText is UTF-aware.
For example, for unicode character set there are:
- soft-hypen, to manually "hint" about line break.
- non-breaking hyphen and no-break-space, to forbid line break.
- etc.

Also, the Hyphen Wikipedia page mentions about "minus sign", which "should not be confused with" hyphen.

Not to mention about many hyphenation algorithms (e.g. "Liang-Knuth hyphenation algorithm", which uses specially created patterns for selected languages; algorithms, based on vowels, consonants, syllables, etc.).

Subject: Re: Allow line-break after '-' sign within a word?
Posted by mirek on Sun, 11 Aug 2013 16:03:21 GMT
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zsolt wrote on Tue, 06 August 2013 14:35It is working. Thanks!

Maybe it would be a good idea to apply this change to the SVN version as well. Hm?

I think we should go with "real unicode" hyphen (I believe it should be 0x2010) there, no? Perhaps support soft hyphen in the process too (those would require to 'add' hyphen character.)

Mirek

Subject: Re: Allow line-break after '-' sign within a word?
Posted by mirek on Sun, 11 Aug 2013 16:04:03 GMT
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Also, we might consider adding automated hyphenation too... (but that will have to have support in LanguageInfo).

Subject: Re: Allow line-break after '-' sign within a word?
Posted by zsolt on Tue, 13 Aug 2013 11:50:23 GMT
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mirek wrote on Sun, 11 August 2013 18:03zsolt wrote on Tue, 06 August 2013 14:35It is working. Thanks!

Maybe it would be a good idea to apply this change to the SVN version as well. Hm?

I think we should go with "real unicode" hyphen (I believe it should be 0x2010) there, no? Perhaps support soft hyphen in the process too (those would require to 'add' hyphen character.)

Mirek

Yes, something should be done about it, because the current behaviour is not correct for a lot of languages.

Subject: Re: Allow line-break after '-' sign within a word?
Posted by wimpie on Sat, 19 Oct 2013 17:06:32 GMT
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mirek wrote on Sun, 11 August 2013 18:04Also, we might consider adding automated hyphenation too... (but that will have to have support in LanguageInfo).
I think it's a good idea to support word-breaking at QTF level with invisible characters indicating where the words may break. (soft-hyphen)
But automation should be in the (word processing) editor where typed words may be inserted with the soft-hyphen. in my experience the computer is not always right, so you should be able to remove the soft-hyphen by hand if you like. (or add it...)
