

QGIS Application - Bug report #12008

wordwrap does not insert custom delimiter anymore

2015-01-19 07:57 AM - Regis Haubourg

Status: Closed	
Priority: Severe/Regression	
Assignee:	
Category: Expressions	
Affected QGIS version: 2.6.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 20211
Description	
<p>This is a regression from 2.2, using a custom delimiter does not work, when using default \n option works OK. This is useful for generating legend carriage return in unique values renderer, where \n is not interpreted in legend and composer's legend.</p>	

History

#1 - 2015-01-20 01:06 AM - Giovanni Manghi

- Priority changed from High to Severe/Regression

#2 - 2015-01-24 01:16 PM - Jürgen Fischer

- Subject changed from wordwrap does not insert custom delimiter no more to wordwrap does not insert custom delimiter anymore

#3 - 2015-02-10 12:11 AM - Martin Dobias

- Status changed from Open to Feedback

I am not sure what is your actual problem. Could you please post a sample expression with wordwrap() that exhibits the problem and your expected output (vs real output)?

#4 - 2015-02-10 01:16 AM - Regis Haubourg

Hi Martin,

before :

```
wordwrap("myfield", 5, '%')
> abcde%hijkl%mn..
```

currently:

```
wordwrap("myfield", 5, '%')
> abcdehijklmn..
```

while this still works for implicit carriage return if no delimiter is given in third parameter.

```
wordwrap("myfield", 5)
> abcde
> hijkl
> mn..
```

So, third parameter option is broken, and this prevents using the carriage return on a special character option of labeling. We break compatibility with old projects using that also..

Cheers
Régis

#5 - 2015-02-10 01:49 AM - Martin Dobias

Hi Regis

I have just checked - there is no wordwrap() function in 2.2. It was added in 2.4 and since then it works the same way: the third argument allows the user to specify what delimiter to use instead of space.

#6 - 2015-02-10 02:12 AM - Regis Haubourg

Ouch, was it in ExpressionPlus plugin before being committed? I remember Nathan having published expressions that way when having missed feature freeze deadline.

#7 - 2015-02-10 02:46 AM - Martin Dobias

Hmmm no idea... all I know is that wordwrap function was contributed by Mathieu (nirvn).

Can we close this issue?

#8 - 2015-02-10 02:50 AM - Regis Haubourg

Did someone fixed it?

#9 - 2015-02-10 03:02 AM - Martin Dobias

Is there anything to fix? The wordwrap() function never worked the way as you indicated as "before" - it always worked like it does now...

#10 - 2015-02-10 04:49 AM - Regis Haubourg

???? I don't get the point here. You are free to put it back from blocker to lower priority if you judge it's not a regression, but please don't close a ticket when feature is not doing what doc is telling is does!

I'm pretty sure it as worked as described once, since I built production labeling with it and is broken now, but I can make mistake on that, and won't reinstall older versions to check it.

I didn't mark it as blocker myself. Could we calm down please? Everyone is trying to help here..

#11 - 2015-02-10 05:02 AM - Nathan Woodrow

I don't recall it being in Expression+ but I will check now.

#12 - 2015-02-10 05:26 AM - Martin Dobias

Regis, apologies if my comments felt harsh - they were meant to be in completely neutral tone.

I am only trying to understand what exactly is going wrong as from my point of view things work as they were supposed to - there are even tests for `wordwrap()` that confirm the current behavior is correct.

In your latest comment you mention that `wordwrap` is not doing what doc is telling it does. I guess you refer to the function help and the documentation of the last argument:

`delimiter_string` → is string. The delimiter string to wrap to a new line (optional).

Although the documentation is not very descriptive, it indicates that the `delimiter_string` may be changed to a new line. The rationale was that in some non-latin scripts they use different characters than just the space to separate words - this extra argument allows the user to specify such delimiter.

I am not sure how it is possible you used `wordwrap()` with different semantics. Could you please verify your 2.2 installation?

Related: <http://gis.stackexchange.com/questions/30084/how-to-create-multiline-labels-in-qgis>

#13 - 2015-02-10 06:04 AM - Mathieu Pellerin - nIRV

Regis, I'm the one who implemented the expression engine's `wordwrap()` function.

The only function variables I implemented were the following:

`wordwrap(string_to_wrap,nb_to_wrap,character_to_wrap)`

The third function variable, `character_to_wrap`, is used for the users to set a char that can trigger wrap (by default, it's a space character). It's there for non-Latin based languages to be able to wrap on different characters (such as invisible-space for Indic languages).

What your referring to, i.e. to have a custom character to use instead of `\`

, was never implemented. It could be implemented as a fourth variable if someone has a need for it. But it's definitively not a regression. It'd have to be filed as a feature request.

Also, a `wordwrap('abcdefghij',5)` would return 'abcdefghij' as the implementation requires the presence of a space (or a customized `character_to_wrap`) to wrap. That has always been the way the function has worked, since its addition in QGIS 2.4.

#14 - 2015-02-10 06:28 AM - Regis Haubourg

- Status changed from Feedback to Closed

Ok, apologies for not understanding the doc OK. I wasn't aware of such invisible space characters, we should explain that in the doc string. Closing the ticket now.