

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.</p> <p>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.