

## CoCoALib - Bug #1662

### txt2tags: problem with filenames containing "\_" or "-"

11 Feb 2022 14:36 - Anna Maria Bigatti

<b>Status:</b>	Resolved	<b>Start date:</b>	11 Feb 2022
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Anna Maria Bigatti	<b>% Done:</b>	80%
<b>Category:</b>	Documentation	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoALib-0.99880	<b>Spent time:</b>	7.10 hours
<b>Description</b>			
<p>It seems that txt2tags has some problems with links to filenames containing "_" or "-". I found this out trying to make a link in ExternalLibs-Normaliz to [[ExternalLibs-GMP compile]].</p> <p>Indeed seems that in the latex version even just [[ExternalLibs-GMP]] is not working.</p> <p>I tried all combinations I could think of, I even read the manual ;-) I downloaded the latest stable version. No success.</p> <p>A possible workaround which certainly works is to remove "-" and "_" from the filenames in the documentation, pretty invasive though. The title of the page/section can keep the correct name with "-/_".</p>			
<b>Related issues:</b>			
Related to CoCoA-5 - Support #1393: GUI with Qt5		<b>Feedback</b>	<b>13 Jan 2020</b>
Related to CoCoALib - Feature #1676: txt2tags: include in source distribution?		<b>Rejected</b>	<b>04 Apr 2022</b>

## History

### #1 - 11 Feb 2022 14:36 - Anna Maria Bigatti

- Category set to Documentation
- Assignee set to Anna Maria Bigatti
- Target version set to CoCoALib-0.99850

### #2 - 11 Feb 2022 18:20 - John Abbott

How many files are affected? How many would need to have new names?  
We could try contacting the txt2tags people to see whether it is regarded as a bug (and if so, whether a fix might "soon" become available).

### #3 - 18 Mar 2022 10:28 - Anna Maria Bigatti

check for "warning" in CoCoALib.log: there are lots of problems with internal links, it seems (but only for me and not for John ????)

### #4 - 23 Mar 2022 10:30 - Ulrich von der Ohe

- File config.t2t added

I've had a related problem with the txt2tags configuration (with CoCoALib 0.97718), which was due to a broken regular expression in doc/aux-txt2tags/config.t2t. I think this issue is also due to that configuration file. I attach a version that works for me. Briefly, I changed the temporary separator from - to !#@, which I hope is less likely to occur in file names.

### #5 - 23 Mar 2022 14:48 - Ulrich von der Ohe

- File config.t2t added

There was a problem with the previous file: Apparently txt2tags is trying to be clever and inserts \# when asked to insert # and in TeX mode.

I attach a fixed configuration file.

In addition to the mentioned fix, in the attached file the - is also included in the pattern to generate the HTML files. Thus e.g. `[[ExternalLibs-GMP compile]]` generates a HTML link to `ExternalLibs-GMP.html#compile`, as is presumably intended.

I did not do anything about the `_` character. For the HTML version it would not be a problem to just include it in the pattern (and in fact as it is it works in the simple form `[[link]]`), but it is not as simple for the LaTeX version (`\_` would have to be replaced by `_`).

#### **#6 - 23 Mar 2022 18:31 - Anna Maria Bigatti**

Splendid. I'll try this tomorrow.

#### **#7 - 24 Mar 2022 02:32 - Ulrich von der Ohe**

Regarding the new version of `doc/Makefile` in the recent release `CoCoALib 0.99800`:

If a `$(TXT2TAGS)` resides in `$PATH` (i.e. the commented option near the beginning of the file instead of the hard coded path at which nothing is provided in the release), the checks if `$(TXT2TAGS)` is executable and readable

```
[ -x "$(TXT2TAGS)" ] && [ -r "$(TXT2TAGS)" ]; \  
if [ $$? -ne 0 ]; \  
#[...]
```

do not make much sense and prohibit that the documentation is built.

#### **#8 - 24 Mar 2022 07:27 - Anna Maria Bigatti**

- *Status changed from New to In Progress*

- *% Done changed from 0 to 20*

Ulrich von der Ohe wrote:

do not make much sense and prohibit that the documentation is built.

This (for this release) is actually intentional. We release the compiled documentation in different formats, but not the (external) tool to modify and re-create them.

We are still discussing about what should be in a source release, the whole process of releasing the sources has been modified and might change further still.

#### **#9 - 24 Mar 2022 10:38 - Ulrich von der Ohe**

Anna Maria Bigatti wrote:

Ulrich von der Ohe wrote:

do not make much sense and prohibit that the documentation is built.

This (for this release) is actually intentional. We release the compiled documentation in different formats, but not the (external) tool to modify and re-create them.

I am not arguing that txt2tags should be included in a CoCoALib release. On the contrary, I want to use my txt2tags at /usr/bin/txt2tags. This has been no problem with CoCoALib-99718 (and earlier releases). Now it is much more of a hassle:

First, the standard ./configure && make gives a warning that it cannot find aux-txt2tags/txt2tags and does not create the documentation.

Obviously, I should exchange the comment sign in the following lines in doc/Makefile (which was not necessary with earlier releases):

```
##TXT2TAGS = txt2tags # if installed version is old enough
TXT2TAGS = $(AUX_DIR)/txt2tags
```

Expecting it to work now, I try again. But now make fails, since it finds out that txt2tags is not executable. Of course it is not (it does not exist in the current directory), but /usr/bin/txt2tags is and is perfectly valid.

Responsible for this are the lines:

```
[ -x "$(TXT2TAGS)" ] && [ -r "$(TXT2TAGS)" ]; \
if [ $$? -ne 0 ]; \
then \
echo; \
echo "****WARNING*** $(TXT2TAGS) missing ==> not creating/updating HTML documentation"; \
echo; \
exit; \
fi; \@
```

Deleting them leads to a working version.

In fact, which txt2tags (a few lines before) would have failed had my installed txt2tags not been executable or readable. (Incidentally, you might want to consider using POSIX 'command -v' instead of 'which'.)

I think this mixing up of txt2tags (in current directory) and in \$PATH (like /usr/bin/txt2tags) is not intended.

the whole process of releasing the sources has been modified and might change further still.

Since you mention it: It seems to me that some files are missing in the new release (that were included up to the previous release 0.77918). I think such a problem affects building of the GUI, see [#1393#note-13](#).

**#10 - 24 Mar 2022 19:16 - John Abbott**

The main problem (for me) was that I had upgraded to Ubuntu 20.04, and this automatically upgraded txt2tags. The new version of txt2tags gives errors when compiling the documentation.

An ideal solution would be to revise our documentation so that it works with the new versions of txt2tags, but do not currently have time for that. As a temporary fix, I was planning on including a copy of the old version of txt2tags in the CVS tree.

As Anna said, we have recently revised the way of making source releases: the old way included some "private junk". We are still unsure exactly what to include, and what the directory tree structure should be...

**#11 - 24 Mar 2022 19:17 - John Abbott**

- *Related to Support #1393: GUI with Qt5 added*

**#12 - 24 Mar 2022 19:30 - Ulrich von der Ohe**

- *File Makefile added*

- *File config.t2t added*

- *File DocTeX.t2t added*

John Abbott wrote:

The main problem (for me) was that I had upgraded to Ubuntu 20.04, and this automatically upgraded txt2tags. The new version of txt2tags gives errors when compiling the documentation.

That should then be version 3.4 of txt2tags, which is the same version I use.

An ideal solution would be to revise our documentation so that it works with the new versions of txt2tags, but do not currently have time for that. As a temporary fix, I was planning on including a copy of the old version of txt2tags in the CVS tree.

I have a (for me) working version with txt2tags 3.4. All the files I changed (relative to CoCoALib 0.99800, which requires more attention than the previous version) are attached.

**#13 - 25 Mar 2022 17:23 - Anna Maria Bigatti**

Ulrich von der Ohe wrote:

I have a (for me) working version with txt2tags 3.4. All the files I changed (relative to CoCoALib 0.99800, which requires more attention than the previous version) are attached.

It works!! Thanks Ulrich!!  
I am now using txt2tags/3.7\_3, and the changes suggested by Ulrich.  
(I changed DocTeX, so that it keeps the date of the latex file, instead of "today")

Now I fix the last bits, and make the source release.

As I'm in a rush I'll still leave the hardwired txt2tags in Makefile, but this will be better thought of very very soon.

**#14 - 10 Apr 2022 11:29 - John Abbott**

- Related to Feature #1676: txt2tags: include in source distribution? added

**#15 - 07 Oct 2022 15:18 - John Abbott**

2022-10-07: what is the status of this issue?

Are Ulrich's modifications already checked in?  
Can the issue be closed?

**#16 - 30 Nov 2022 18:29 - Anna Maria Bigatti**

- Related to Support #1687: Release CoCoALib 0.99850 added

**#17 - 08 Mar 2023 19:48 - John Abbott**

What is the status of this issue? Is it advanced enough that we can close this week? (I hope so)

**#18 - 12 Mar 2023 18:04 - Nico Mexis**

About a year ago, I created a PR on their repo (<https://github.com/txt2tags/txt2tags/pull/244>) targeting the v2 branch (which hasn't been updated since 2017). So I did not have high hopes that they would merge it.  
However, out of the blue, they did merge it three weeks ago, as the first commit in more than five years.  
Using this version (which is exactly the one I have installed now), everything seems to work fine, at least on my machine (on Windows).

**#19 - 21 Jan 2024 20:21 - John Abbott**

What is the status of this issue?  
Is it now resolved if one uses the updated txt2tags which Nico mentioned? Which version is that?

**#20 - 16 Mar 2024 21:28 - John Abbott**

Let's try to download the new txt2tags, and test it.  
**Nico** which version should we obtain?  
**Anna** how do we test it?  
I hope we can close this in a few days :-)

**#21 - 16 Mar 2024 23:46 - Nico Mexis**

Sorry, seems like I forgot to respond back then.  
I am using the **latest** v2.7-dev.  
It is important that it is the **latest** as it includes my fix for this very issue with underscores and/or backslashes.

When I am back at my computer, I will also try out v3, but IIRC I had some issues with that back then.

#### #22 - 17 Mar 2024 10:53 - John Abbott

- % Done changed from 20 to 30

We must also explain what the solution is in the documentation (and perhaps also error messages?).

#### #23 - 17 Mar 2024 19:17 - Nico Mexis

I have just tested with txt2tags v3 (commit bc7f2c43f1a59ea96f37c77b63c4b44fe51e1b08) and it works perfectly fine on my system. I also have to admit that the output looks nicer than what v2 produces (e.g., HTML tags are not capitalized anymore).

Why did I use 2.7-dev then? Short answer: I don't remember. I think v3 did not work for me back then because I did not have an appropriate Python 3 version installed, but only Python 2.

Now that I have both, I would prefer txt2tags v3.

Also, if you need the corresponding error message with the second-to-newest build of txt2tags v2.7-dev, it looks like this (of course, it could also look slightly different, but it always has some `\backslash` somewhere):

```
! Missing $ inserted.
<inserted text>
      $
1.185   for \texttt{SmallExponent\backslash$t}
                                             is \texttt{unsigned short...
```

#### #24 - 22 Mar 2024 09:04 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880

#### #25 - 28 Mar 2024 16:46 - Anna Maria Bigatti

- Related to deleted (Support #1687: Release CoCoALib 0.99850)

#### #26 - 06 Apr 2024 15:34 - Ulrich von der Ohe

The files released as 0.99850 work for me with txt2tags 2.6 (the latest stable 2.x version) as well as with txt2tags 3.4.

I suspect the issue described in [#1662-23](#) to be an unrelated issue of that particular development version of txt2tags (and moreover it appears to be fixed in later development versions).

I think closing of this issue is long overdue.

#### #27 - 07 Apr 2024 20:49 - John Abbott

**Anna** can you check whether this issue can now be closed?

Ulrich reports that 0.99850 is OK with txt2tags-2.6; I seem to have version 3.4 (on Ubuntu 22.04), and have not noticed any problems. Currently don't have access to my older computers. Nico also seems to think that it is working. Did we use a workaround?

**#28 - 08 Apr 2024 15:31 - Nico Mexis**

I am using txt2tags 3.9 and it works fine on my end as well. This issue was only related to txt2tags 2.7-dev (commits older than and excluding 1ad82c4), but it is fixed in the newest commit (1ad82c4).  
So, as long as noone uses an *outdated* 2.7-dev version, everything should be fine - no workaround needed.

**#29 - 08 Apr 2024 20:26 - John Abbott**

- Status changed from *In Progress* to *Resolved*
- % Done changed from 30 to 80

I have advanced this issue to **resolved** since it seems to be OK now -- thanks Nico for the clarification!  
Anna is away for a few days; I'll await her return before closing this issue.

**#30 - 09 Apr 2024 14:21 - Ulrich von der Ohe**

John Abbott wrote:

Did we use a workaround?

The workaround introduced in [#1662#note-4](#) is indeed in effect in newer releases of CoCoALib.

Many versions of txt2tags, for example version 3.4, do not work on CoCoALib's files without such a workaround.

Of course it is even better if new releases of txt2tags don't need a workaround. I think this is the case thanks to Nico's work on txt2tags.

<b>Files</b>			
config.t2t	1.37 KB	23 Mar 2022	Ulrich von der Ohe
config.t2t	1.37 KB	23 Mar 2022	Ulrich von der Ohe
Makefile	8.52 KB	24 Mar 2022	Ulrich von der Ohe
config.t2t	1.37 KB	24 Mar 2022	Ulrich von der Ohe
DocTeX.t2t	4.51 KB	24 Mar 2022	Ulrich von der Ohe