TYPO3 Core - Bug #84016

impexp: page links are parsed / replaced incorrectly due to error in SoftReferenceIndex

2018-02-22 21:54 - Markus Stauffiger

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**Description**

With the new handling of the link field in the backend, the page links, e.g. in the header_link field of a content element, are not parsed correctly and therefore not replaced during the import.

**TYPO3 7**

I think the problem is within the SoftReferenceIndex, so the bug might actually be in core and not impexp.

**TYPO3 8**

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**Related issues:**
### Associated revisions

**Revision 916d1c60 - 2018-10-27 17:20 - Patrick Broens**

[BUGFIX] Linkvalidator validates linked content elements

This patch makes the LinkValidator check typolinks to tt_content elements like \t3://page?uid=x#y by calling InternalLinktype twice, once for the page as first part of the SoftReferenceIndex and again for the tt_content element as second part.

Resolves: #85576  
Related: #84016  
Releases: master, 8.7  
Change-Id: I94243e66f5eff38c9a0b0859a85aac48885e38ba  
Reviewed-on: https://review.typo3.org/57612  
Reviewed-by: Stephan Großberndt <stephan.grossberndt@typo3.org>  
Tested-by: TYPO3com <no-reply@typo3.com>  
Tested-by: Sybille Peters <sypets@gmx.de>  
Reviewed-by: Jörg Bösche <typo3@joergboesche.de>  
Reviewed-by: Benni Mack <benni@typo3.org>  
Tested-by: Benni Mack <benni@typo3.org>

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**Revision 574914eb - 2018-10-27 22:06 - Patrick Broens**

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Resolves: #85576  
Related: #84016  
Releases: master, 8.7  
Change-Id: I94243e66f5eff38c9a0b0859a85aac48885e38ba  
Reviewed-on: https://review.typo3.org/58735  
Reviewed-by: TYPO3com <no-reply@typo3.com>  
Reviewed-by: Benni Mack <benni@typo3.org>  
Tested-by: Benni Mack <benni@typo3.org>
Revision d208d09a - 2019-11-04 17:09 - DANIEL Rémy

[BUGFIX] SoftReferenceIndex parses new TypoLink format correct

Since the introduction of the new TypoLink format like t3://page?uid=1 the SoftReferenceIndex is parsing these TypoLinks wrong, and does not parse t3://record at all.

This patch adds the same parsing of typolinks than the one done by LinkService, and removes old and duplicated code.

This patch also fixes the missing softref when a typolink contains an anchor to a tt_content.

The signal `getTypoLinkParts` is removed from execution, because it is not needed anymore, as all is handled via LinkService capabilities directly.

Resolves: #84016
Releases: master, 9.5
Change-id: l4b83cd43af938de084aeabc1b4bf424e6bb2d9682
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610
Tested-by: TYPO3com <noreply@typo3.com>
Tested-by: Georg Ringer <georg.ringer@gmail.com>
Tested-by: Benni Mack <benni@typo3.org>
Reviewed-by: Georg Ringer <georg.ringer@gmail.com>
Reviewed-by: Benni Mack <benni@typo3.org>

Revision 94da5755 - 2019-11-04 21:46 - DANIEL Rémy

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Releases: master, 9.5
Change-id: l4b83cd43af938de084aeabc1b4bf424e6bb2d9682
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/62143
Tested-by: TYPO3com <noreply@typo3.com>
The bug is within the SoftReferenceIndex.

Arriving at https://github.com/TYPO3/TYPO3.CMS/blob/master/typo3/sysext/core/Classes/Database/SoftReferenceIndex.php#L499 $containsSlash || $isLocalFile it decides that a t3://page link is a local file and therefore does not get to the part where it's marked as a page.
Hi!

Thanks for reporting and analysis.

Can you push a patch with a solution?
(https://docs.typo3.org/typo3cms/ContributionWorkflowGuide/ if you need a first-time setup)

@Markus Klein, I've quickly patched the SoftReferenceIndex for a single usecase.

But it seems SoftReferenceIndex needs a huge rewrite because the new link handling (t3://) is not well handled by the SoftReferenceIndex.
For example, a link in tt_content.header_link (typolink) or in tt_content.bodytext (typoling_tag) will not be referenced the same way in the database.
Also, a link to a record (t3://record) is not referenced at all.

I think I'm not the guy who can handle this rewrite because it too difficult for my skills...

- Complexity changed from medium to hard

Patch set 1 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/57610

Also the core extension "linkvalidator" is suffering from this.

To reproduce:

- Install the extension "linkvalidator"
- Make a content element on a page with the field "header_link" filled with t3://page?uid=5000, where 5000 is a non-existing page in your database
- Go to the module "Web > Info > Linkvalidator" and check the links on the page
- The page mentioned in this field will not show up in the report or in the "Internal links" counter.

You can do the same with t3://file?uid=5000

TypoLinks used in the RTE in an anchor tag are fine.
Patch set 2 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#9 - 2018-07-16 15:41 - Patrick Broens
- Related to Bug #85576: Linkvalidator not checking linked content elements with TypoLink added

#10 - 2018-07-16 16:09 - Patrick Broens
- Related to Epic #85006: Reduce falsely reported broken links added

#11 - 2018-07-17 12:06 - Gerrit Code Review
Patch set 3 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#12 - 2018-09-29 00:10 - Gerrit Code Review
Patch set 4 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#13 - 2018-09-29 00:15 - Gerrit Code Review
Patch set 5 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#14 - 2018-09-29 01:05 - Gerrit Code Review
Patch set 6 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#15 - 2018-09-29 01:08 - Gerrit Code Review
Patch set 7 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#16 - 2018-10-11 16:52 - Gerrit Code Review
Patch set 8 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#17 - 2018-12-14 10:58 - Gerrit Code Review
Patch set 9 for branch `master` of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at [https://review.typo3.org/57610](https://review.typo3.org/57610)

#18 - 2019-09-10 18:55 - DANIEL Rémy
- File `patch_gaya.diff` added

I've fixed this issue, and another one about handling of the anchor in links for a specific project.
I've attached the patch for the fix, it may be useful.

#19 - 2019-09-10 20:48 - Markus Klein
@Daniel Would you mind pushing your patch to the review system?

#20 - 2019-09-11 17:12 - DANIEL Rémy
There is already a patch in review: https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610/

Should I amend the existing patch?

#21 - 2019-09-11 21:09 - Markus Klein
Sure, feel free

#22 - 2019-09-12 01:45 - Gerrit Code Review
Patch set 10 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

#23 - 2019-09-12 09:17 - Gerrit Code Review
Patch set 11 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

#24 - 2019-09-12 09:20 - Gerrit Code Review
Patch set 12 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

#25 - 2019-09-12 12:24 - Gerrit Code Review
Patch set 13 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

#26 - 2019-09-16 15:59 - Gerrit Code Review
Patch set 14 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

Patch set 15 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

Patch set 16 for branch master of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/57610

#29 - 2019-11-04 13:56 - Benni Mack
- Related to Bug #87652: SoftReferenceIndex :: TypoLink :: links like "t3:// FileLinks" won't be recognized added

#30 - 2019-11-04 14:11 - Benni Mack
- Related to Bug #88207: SoftReferenceIndex is missing support for t3://file uri added

#32 - 2019-11-04 17:09 - Gerrit Code Review
Patch set 1 for branch 9.5 of project Packages/TYPO3.CMS has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/62143

#33 - 2019-11-04 17:14 - Gerrit Code Review
Patch set 2 for branch 9.5 of project Packages/TYPO3.CMS has been pushed to the review server. It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/62143

#34 - 2019-11-04 17:30 - DANIEL Rémy
- Status changed from Under Review to Resolved
- % Done changed from 0 to 100

Applied in changeset d208d09ae66ae2eeefbe3fd0b92f7460a9a350.

- Related to Bug #83377: Soft Reference Index is broken for files added

#36 - 2019-11-06 11:58 - Benni Mack
- Related to Bug #86628: Linked files not referenced in backend filelist added

#37 - 2019-11-10 09:27 - Sybille Peters
- Related to deleted (Epic #85006: Reduce falsely reported broken links)

#38 - 2019-12-23 22:48 - Benni Mack
- Status changed from Resolved to Closed

Files

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