

TYPO3 Core - Bug #88951

Extbase does not handle page translations correctly when using consistentTranslationOverlayHandling

2019-08-12 13:01 - Lars Peter Søndergaard

Status:	New	Start date:	2019-08-12
Priority:	Should have	Due date:	
Assignee:	Tymoteusz Motylewski	% Done:	0%
Category:	Extbase + l10n	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	9	Is Regression:	
PHP Version:		Sprint Focus:	
Tags:			

Description

My scenario:

I mapped the "pages" table to an extbase model named "Product", using a custom doktype. So in ext_typoscript_setup.typoscript I have something like this:

```
config.tx_extbase {
    persistence {
        classes {
            LFM\MyProducts\Domain\Model\Product {
                mapping {
                    tableName = pages
                    recordType = 133
                    columns {
                        doktype.mapOnProperty = doktype
                        l10n_parent.mapOnProperty = parentRecord
                    }
                }
            }
        }
    }
}
```

This works fine, until I try to read records using a "ProductRepository".

Let's say, we got a "product" page with uid=5, and a translation of that page, with uid=6 and l10n_parent=5.

Using productRepository->findAll() in context of default language, everything works as expected. Product object with uid=5 is returned. In context of the translated language, the findAll method however returns an object that has uid set to 6 instead of 5, and _localizedUid is set to 6 as well.

I tried to test the same with a "normal" Dummy model that is mapped to a regular "tx_myproducts_domain_model_dummy" table. Using that, everything works exactly as expected. (having default language uid=1 and translation uid=2, findAll() returns uid=1 in both default language context as well as translated context, with only _localizedUid having value 2 in translated context).

The primary suspect seems to be the method
\\TYPO3\CMS\Extbase\Persistence\Generic\Storage\Typo3DbBackend::overlayLanguageAndWorkspace.

Some tests have shown that extbase always fetches the translated records in translated context. So the passed \$rows array in that overlayLanguageAndWorkspace method contains a list of translated page records. For non-pages records it seems there is a "fix" to pretend to be a default language record, before calling getRecordOverlay, but the same thing is not done for pages record. Instead getPageOverlay is called directly with the (presumably incorrect) translated records.

History

#1 - 2019-09-27 09:05 - Lars Peter Søndergaard

- File typo3dbbackend.patch added

The primary issue seems to be, that \$pageRepository->getPageOverlay returns an array with a _PAGES_OVERLAY_UID key and \$pageRepository->getRecordOverlay returns an array with a _LOCALIZED_UID, and only the latter is used by extbase later on to properly handle translations.

I attached a patch with a fix that seems to work so far. It reorders a section of the code (concerning cases where respect language is false), though I'm not sure that part is correct.

The primary fix was remapping the _PAGES_OVERLAY_UID to _LOCALIZED_UID.

The same issue might also exist for the other (old) doLanguageAndWorkspaceOverlay, but I ignored that one, since it's removed on master.

Files

typo3dbbackend.patch	4.16 KB	2019-09-27	Lars Peter Søndergaard
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