

## TYPO3 Core - Bug #91206

### PDOException "You cannot serialize or unserialize PDOStatement instances" in PopulatePageSlugs wizard

2020-04-27 12:32 - Stephan Großberndt

<b>Status:</b>	Closed	<b>Start date:</b>	2020-04-27
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Extbase	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	9	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

When upgrading to TYPO3 9.5 on a PostgreSQL instance and running the upgrade wizard Introduce URL parts ("slugs") to all existing pages an exception is thrown:

```
(1/1) PDOException
```

```
You cannot serialize or unserialize PDOStatement instances  
in /typo3_src-9.5.15/typo3/sysex/core/Classes/Cache/Frontend/VariableFrontend.php line 59
```

```
        ];  
        GeneralUtility::callUserFunction($_funcRef, $params, $this);  
    }  
    if (!$this->backend instanceof TransientBackendInterface) {  
        $variable = serialize($variable);  
    }  
    $this->backend->set($entryIdentifier, $variable, $tags, $lifetime);  
}
```

```
at PDOStatement->__sleep()  
at serialize(object(TYPO3\CMS\Core\Database\Driver\PDOStatement))  
in /typo3_src-9.5.15/typo3/sysex/core/Classes/Cache/Frontend/VariableFrontend.php line 59
```

```
        ];  
        GeneralUtility::callUserFunction($_funcRef, $params, $this);  
    }  
    if (!$this->backend instanceof TransientBackendInterface) {  
        $variable = serialize($variable);  
    }  
    $this->backend->set($entryIdentifier, $variable, $tags, $lifetime);  
}
```

```
at TYPO3\CMS\Core\Cache\Frontend\VariableFrontend->set('getPageForRootlineStatement-93b379c58d60ba  
9d2216897c8cdb066d', object(TYPO3\CMS\Core\Database\Driver\PDOStatement))  
in /typo3_src-9.5.15/typo3/sysex/backend/Classes/Utility/BackendUtility.php line 497
```

```
        $queryBuilder->expr()->eq('uid', $queryBuilder->createPositionalParameter(  
$uid, \PDO::PARAM_INT)),  
        QueryHelper::stripLogicalOperatorPrefix($clause)  
    );  
    $statement = $queryBuilder->execute();  
    $runtimeCache->set('getPageForRootlineStatement-' . $statementCacheIdent, $stateme  
nt);  
    } else {  
        $statement->bindValue(1, (int)$uid);  
        $statement->execute();  
    }  
}
```

```
at TYPO3\CMS\Backend\Utility\BackendUtility::getPageForRootline(1, '', true, array('nav_title'))
in /typo3_src-9.5.15/typo3/sysext/backend/Classes/Utility/BackendUtility.php line 389
```

```
        $loopCheck = 100;
        $theRowArray = [];
        while ($uid != 0 && $loopCheck) {
            $loopCheck--;
            $row = self::getPageForRootline($uid, $clause, $workspaceOL, $additionalFields);
            if (is_array($row)) {
                $uid = $row['pid'];
                $theRowArray[] = $row;
            } else {
```

```
at TYPO3\CMS\Backend\Utility\BackendUtility::BEgetRootLine(1, '', true, array('nav_title'))
in /typo3_src-9.5.15/typo3/sysext/core/Classes/DataHandling/SlugHelper.php line 588
```

```
    */
    protected function resolveParentPageRecord(int $pid, int $languageId): ?array
    {
        $parentPageRecord = null;
        $rootLine = BackendUtility::BEgetRootLine($pid, '', true, ['nav_title']);
        do {
            $parentPageRecord = array_shift($rootLine);
            // do not use spacers (199), recyclers and folders and everything else
        } while (!empty($rootLine) && (int)$parentPageRecord['doktype'] >= 199);
```

```
at TYPO3\CMS\Core\DataHandling\SlugHelper->resolveParentPageRecord(1, 0)
in /typo3_src-9.5.15/typo3/sysext/core/Classes/DataHandling/SlugHelper.php line 166
```

```
        $prefix = '';
        if ($this->configuration['generatorOptions']['prefixParentPageSlug'] ?? false) {
            $languageFieldName = $GLOBALS['TCA'][$this->tableName]['ctrl']['languageField'] ?? null;
        }
        $languageId = (int)($recordData[$languageFieldName] ?? 0);
        $parentPageRecord = $this->resolveParentPageRecord($pid, $languageId);
        if (is_array($parentPageRecord)) {
            // If the parent page has a slug, use that instead of "re-generating" the slug from
            // the parents' page title
            if (!empty($parentPageRecord['slug'])) {
                $rootLineItemSlug = $parentPageRecord['slug'];
```

```
at TYPO3\CMS\Core\DataHandling\SlugHelper->generate(array('uid' => 64, 'pid' => 1, 't3ver_oid' => 0, 't3ver_id' => 0, 't3ver_wsid' => 0, 't3ver_label' => '', 't3ver_state' => 0, 't3ver_stage' => 0, 't3ver_count' => 0, 't3ver_tstamp' => 0, 't3ver_move_id' => 0, 't3_origuid' => 0, 'tstamp' => 1562246581, 'sorting' => 768, 'deleted' => 0, 'perms_userid' => 1, 'perms_groupid' => 1, 'perms_user' => 31, 'perms_group' => 31, 'perms_everybody' => 0, 'editlock' => 0, 'crdate' => 1561988574, 'cruser_id' => 1, 'hidden' => 0, 'title' => 'Login', 'doktype' => 1, 'TSconfig' => null, 'is_siteroot' => 0, 'php_tree_stop' => 0, 'url' => '', 'starttime' => 0, 'endtime' => 0, 'urltype' => 1, 'shortcutcut' => 0, 'shortcut_mode' => 0, 'no_cache' => 0, 'fe_group' => '', 'subtitle' => '', 'layout' => 0, 'target' => '', 'media' => 0, 'lastUpdated' => 0, 'keywords' => null, 'cache_timeout' => 0, 'cache_tags' => '', 'newUntil' => 0, 'description' => null, 'no_search' => 0, 'SYS_LASTCHANGED' => 1562246581, 'abstract' => null, 'module' => '', 'extendToSubpages' => 0, 'author' => '', 'author_email' => '', 'nav_title' => '', 'nav_hide' => 0, 'content_from_pid' => 0, 'mount_pid' => 0, 'mount_pid_ol' => 0, 'alias' => '', 'l18n_cfg' => 0, 'fe_login_mode' => 0, 'backend_layout' => '', 'backend_layout_next_level' => '', 'tsconfig_includes' => null, 'categories' => 0, 'tx_realurl_pathsegment' => '', 'tx_realurl_pathoverride' => 0, 'tx_realurl_exclude' => 0, 'tx_realurl_nocache' => 0, 'nav_icon' => 0, 'thumbnail' => 0, 'rowDescription' => null, 'sys_language_uid' => 0, 'l10n_parent' => 0, 'l10n_source' => 0, 'l10n_state' => null, 'l10n_diffsource' => null, 'slug' => null, 'legacy_overlay_uid' => 0), 1)
in /typo3_src-9.5.15/typo3/sysext/install/Classes/Updates/PopulatePageSlugs.php line 169
```

```
        $queryBuilder->expr()->eq('uid', $queryBuilder->createNamedParameter($record['t3ver_oid'], \PDO::PARAM_INT))
        )->execute()->fetch();
        $pid = (int)$liveVersion['pid'];
    }
    $slug = $slugHelper->generate($record, $pid);
```

```

    }

    $state = RecordStateFactory::forName($this->table)
        ->fromArray($record, $pid, $recordId);

at TYPO3\CMS\Install\Updates\PopulatePageSlugs->populateSlugs()
in /typo3_src-9.5.15/typo3/sysex/install/Classes/Updates/PopulatePageSlugs.php line 100

    * @return bool Whether everything went smoothly or not
    */
    public function executeUpdate(): bool
    {
        $this->populateSlugs();
        return true;
    }

/**

at TYPO3\CMS\Install\Updates\PopulatePageSlugs->executeUpdate()

```

#### Related issues:

Related to TYPO3 Core - Bug #89830: Avoid resolving default value of static p...	Closed	2019-12-03
Related to TYPO3 Core - Task #90104: Introduce prepared statement for Backend...	Closed	2020-01-13
Related to TYPO3 Core - Bug #90535: 10.3.0 throws PHP Warning: mysqli_stmt::b...	Closed	2020-02-25

#### Associated revisions

##### Revision 910bda62 - 2020-04-27 17:41 - Stephan Großberndt

[BUGFIX] Do not disable caching for caches with TransientMemoryBackend

If caching is disabled in the CacheManager, caches using the TransientMemoryBackend are not adjusted to NullBackend anymore.

This mainly affects the runtime cache, which is memory-based anyways and should be a "forget after the request"-cache.

This also fixes a PDOException in the page slug update wizard when using PostgreSQL, as the Install Tool is using the core in "no-cache" mode. (See entry point of the Install Tool)

Resolves: #91206  
 Releases: master, 9.5  
 Change-Id: Id9085bd85bdbf321ef210c75c2bb8aefc6f5f061  
 Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+64320>  
 Reviewed-by: Markus Klein <[markus.klein@typo3.org](mailto:markus.klein@typo3.org)>  
 Reviewed-by: Stephan Großberndt <[stephan.grossberndt@typo3.org](mailto:stephan.grossberndt@typo3.org)>  
 Reviewed-by: Benjamin Franzke <[bfr@qbus.de](mailto:bfr@qbus.de)>  
 Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>  
 Tested-by: Stephan Großberndt <[stephan.grossberndt@typo3.org](mailto:stephan.grossberndt@typo3.org)>  
 Tested-by: Markus Klein <[markus.klein@typo3.org](mailto:markus.klein@typo3.org)>  
 Tested-by: Benjamin Franzke <[bfr@qbus.de](mailto:bfr@qbus.de)>

##### Revision e20f412e - 2020-04-27 18:32 - Stephan Großberndt

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Resolves: #91206  
 Releases: master, 9.5  
 Change-Id: Id9085bd85bdbf321ef210c75c2bb8aefc6f5f061  
 Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+64286>  
 Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>

Tested-by: Stephan Großberndt <[stephan.grossberndt@typo3.org](mailto:stephan.grossberndt@typo3.org)>  
Tested-by: Benjamin Franzke <[bfr@qbus.de](mailto:bfr@qbus.de)>  
Reviewed-by: Stephan Großberndt <[stephan.grossberndt@typo3.org](mailto:stephan.grossberndt@typo3.org)>  
Reviewed-by: Benjamin Franzke <[bfr@qbus.de](mailto:bfr@qbus.de)>

## History

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### #1 - 2020-04-27 12:32 - Stephan Großberndt

- Related to Bug #89830: Avoid resolving default value of static property in ClassSchema added

### #2 - 2020-04-27 12:50 - Stephan Großberndt

- Description updated

### #3 - 2020-04-27 13:05 - Markus Klein

- Status changed from New to Needs Feedback

What's the configuration of your runtime cache?

NOTE: It MUST have a TransientMemoryBackend!

### #4 - 2020-04-27 13:07 - Markus Klein

- Related to Task #90104: Introduce prepared statement for BackendUtility::getPageForRootline added

### #5 - 2020-04-27 13:08 - Markus Klein

- Related to Bug #90535: 10.3.0 throws PHP Warning: mysqli\_stmt::bind\_param(): Couldn't fetch mysqli\_stmt in /vendor/doctrine/dbal/lib/Doctrine/DBAL/Driver/Mysqli/MysqliStatement.php line 236 added

### #6 - 2020-04-27 13:08 - Markus Klein

Seems to be a duplicate of [#90535](#).

### #7 - 2020-04-27 13:32 - Markus Klein

- Status changed from Needs Feedback to Accepted

The install tool uses a failsafe version of Bootstrap and hence no caches. That means runtime-cache is set to a NullBackend and the upgrade wizard fails thereby.

### #8 - 2020-04-27 13:39 - Gerrit Code Review

- Status changed from Accepted to Under Review

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/c/Packages/TYPO3.CMS/+/64320>

### #9 - 2020-04-27 13:48 - Gerrit Code Review

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/c/Packages/TYPO3.CMS/+/64320>

### #10 - 2020-04-27 14:11 - 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/c/Packages/TYPO3.CMS/+/64320>

### #11 - 2020-04-27 14:43 - 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/c/Packages/TYPO3.CMS/+/64320>

### #12 - 2020-04-27 17:42 - 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/+/64286>

### #13 - 2020-04-27 18:00 - Stephan Großberndt

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [910bda621643c05efa0aefee7af7ead76fac3d36](#).

**#14 - 2020-04-28 11:09 - Benni Mack**

- *Status changed from Resolved to Closed*